

Environmental Assessment
for
Missouri University of Science and Technology
Missouri Protoplex Facility



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1.0 INTRODUCTION

1.1 Background

This Environmental Assessment (EA) has been prepared in accordance with the National Environmental Policy Act (NEPA) of 1969, as amended (42 United States Code [USC] 4321 et seq.), as implemented by the regulations promulgated by the Council on Environmental Quality (CEQ) (40 Code of Federal Regulations [CFR] §1500-1508). NEPA applies to the Missouri Protoplex project since federal grants are being awarded to partially fund the project. The National Institute of Standards and Technology (NIST) is managing these grants. The principal objectives of NEPA are to ensure the careful consideration of environmental aspects of proposed actions in federal decision-making processes and to make environmental information available to decision-makers and the public before decisions are made and actions are taken. The intent of NEPA is to protect, restore, or enhance the environment through a well-informed decision-making process. The CEQ was established under NEPA to implement and oversee federal policy in this process. To this end, the CEQ issued the Regulations for Implementing the Procedural Provisions of NEPA. The CEQ regulations declare that an EA serves to accomplish the following objectives:

- Briefly provide sufficient evidence and analysis for determining whether to prepare an Environmental Impact Statement (EIS) or a Finding of No Significant Impact (FONSI);
- Aid in an agency's compliance with NEPA when an EIS is not necessary; and
- Facilitate preparation of an EIS when necessary.

NIST accomplishes adherence to NEPA through following the United States (US) Department of Commerce Department Administrative Order 216-6. These federal regulations establish both the administrative process and substantive scope of the environmental impact evaluation designed to ensure that deciding authorities have a proper understanding of the potential environmental consequences of a contemplated course of action. This EA has been prepared in accordance with the regulations and guidance documents.

The primary purpose of this EA is to document and evaluate the potential effects to human health and the environment associated with the implementation of the Proposed Action and Preferred Alternative as well as the ability of the alternatives to meet the purpose and need for the Proposed Action.

1.2 United States Department of Commerce

The Department of Commerce is an executive level department with a mission to create the conditions for economic growth and opportunity for all communities. and to foster innovation and invention. The Department of Commerce was originally created as the US Department of Commerce and Labor on February 14, 1903. It was subsequently renamed the Department of Commerce on March 4, 1913, as the bureaus and agencies specializing in labor were transferred to the new Department of Labor.

NIST is part of the Department of Commerce. NIST was founded in 1901, as the National Bureau of Standards, to set standards for US measurements including quality standards for projects. A laboratory was constructed and is the nation's oldest physical science laboratories. During World War I, the bureau began working on research to assist with the war and since its mission has become to advance measurement science, standards, and technology in ways that enhance economic security and improve our quality of life.

1.3 Location and Description of Project Area

Missouri University of Science and Technology (S&T) was founded in 1870 as Missouri School of Mines and Metallurgy as a land-grant institution in accordance with the Morrill Act of 1862. The school offered programs to educate mining engineers and surveyors. The school was the first technological university west of the Mississippi River. The campus remained a consistent size in both facility and attendance, until World War II where the need for engineers and scientists increased. In 1964, the Missouri School of Mines name was changed to the University of Missouri – Rolla. In 2008, the name of the university was updated to the current designation of Missouri University of Science and Technology. Missouri University S&T is one of 16 technological research universities within the United States (US); other universities include Caltech, Rensselaer, Georgia Tech, Massachusetts Institute of Technology, and Colorado School of Mines (University Missouri System 2024). Approximately 7,000 students attend the university

Missouri S&T has three colleges, the College of Arts, Sciences, and Education; College of Engineering and Computing; and the Hummer College of Innovation, Entrepreneurship and Economic Development, see Figure 1. Within these colleges, there are more than 50 research and academic support centers and are located on a 284-acre campus. The university is located off of Interstate 44 and exit 185.

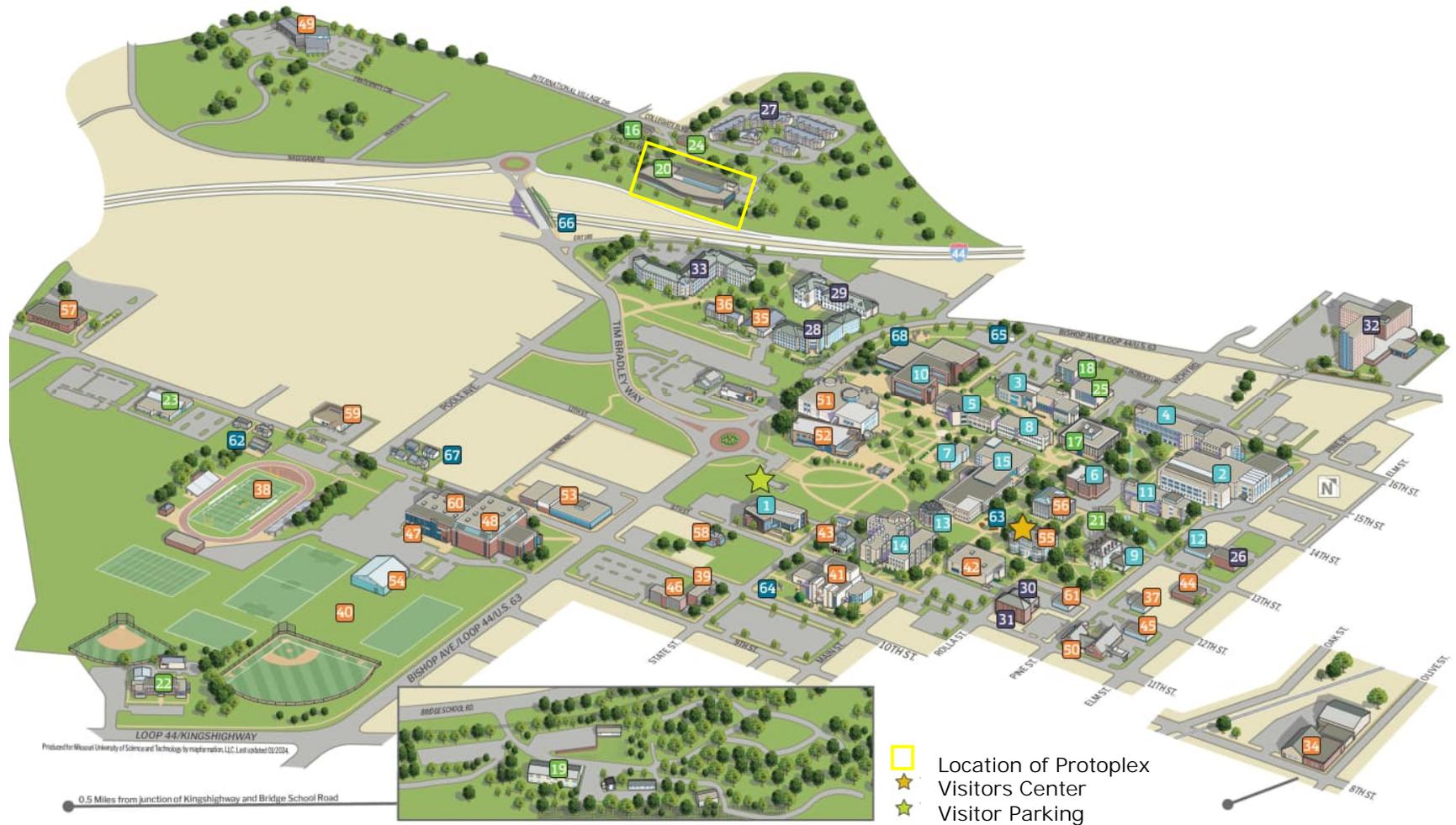


Figure 1 – Overall Missouri S&T Campus

1.4 Purpose and Need

Missouri S&T is Missouri's science, technology, engineering, and math (STEM) focused research university and the only university in the state that offers a manufacturing engineering degree. Missouri S&T has the expertise, location, and educational programs to lead this initiative and stimulate advanced manufacturing in Missouri and the United States. As part of the charge as Missouri's STEM focused research university, opportunities to grow researching manufacturing technologies is key.

The purpose of the Proposed Action is to provide a facility that will foster the growth of a highly skilled, future-ready workforce needed to position Missouri as a global leader in advanced manufacturing, manufacturing education, research and development, technical assistance, outreach, and entrepreneurship. The facility is intended to serve as the anchor for the new Manufacturing Technology and Innovation Campus connecting the intended beneficiaries of industry manufacturers, state and federal agencies, and colleges and universities to develop new and improve existing processes for manufacturing.

The existing facilities at the Missouri S&T campus are utilized for other programs and are at full capacity as the enrollment and offerings at the university increase. The facility is needed, as there are no other facilities that could be utilized to meet the goal to create a campus.

1.5 Public Engagement

Regulations from the Council on Environmental Quality (40 CFR part 1506.6[a]) state that agencies shall make diligent efforts to involve the public in preparing and implementing their NEPA procedures.

Public engagement has been completed. Missouri S&T provided the draft EA for public review on-line and the Curtis Laws Wilson Library. The document was published at <https://masterplan.mst.edu/protoplexea/>. The notice of availability was published within the Missouri Miner and "Public Notices" section of the Phelps County Focus. The public notice was published on July 11, 2024. No comments were received as of July 26, 2024. Notifications are provided in Appendix B.

1.6 Federal Decision to be Made

NIST is the federal decision-maker concerning this Proposed Action as some of the funds for the action will be provided by the agency. The purpose of this EA is to inform decision-makers of the potential environmental effects of the Proposed Action and alternatives prior to making a federal decision to move forward with any action. In this manner, federal decision-makers can make a fully informed decision, aware of the potential environmental effects of their Proposed Action. Overall, the purpose of this EA is to:

- Document the NEPA process;
- Inform decision-makers of the possible environmental effects of the Proposed Action and its considered alternatives, as well as methods to reduce these effects;

- Allow for public, regulatory agency and tribal input into the decision-making process; and
- Allow for informed decision-making by the federal government.

This decision-making process includes identifying the actions that the federal government and Missouri S&T will commit to undertake to minimize human health and environmental effects, as required under NEPA and associated CEQ regulations.

The decision to be made is whether, having taken potential physical, environmental, cultural, and socioeconomic effects into account, NIST should implement the Proposed Action and, as appropriate, carry out mitigation measures to reduce effects on resources.

NIST, as the federal proponent of the Proposed Action, will either document the decision in a Finding of No Significant Impact (FONSI) or indicate whether an Environmental Impact Statement is required. NIST will carefully consider comments received from the public and regulatory agencies in this decision-making process.

2.0 ALTERNATIVES TO THE PROPOSED ACTION

This section of the EA provides a brief history of the formulation of alternatives, identification of alternatives eliminated from further consideration, a description of the Proposed Action, and a description of the No Action Alternative. The screening criteria and process developed and applied by NIST to hone the number of reasonable alternatives for the Proposed Action are described, providing the reader with an understanding of the rationale in ultimately analyzing one Action Alternative, the Proposed Action.

2.1 Development of Alternatives

The implementing procedures for NEPA establish a number of policies for federal agencies to follow in order to avoid or minimize the adverse effects of their actions. Among these policies is the use of the NEPA process to identify and assess reasonable alternatives to the proposed project that would avoid or minimize adverse impacts (40 CFR 1500.2(e)). The alternatives must be explored rigorously and evaluated objectively. Alternatives that are eliminated from detailed analysis must be identified, along with a brief discussion of the reasons for eliminating them.

2.2 Alternatives Evaluated and Not Carried Forward

Beyond the No-Action Alternative, additional alternatives to the proposed project were reviewed against the need of the project and parameters. No other action beyond an alternative location could be considered. For an alternative location to be evaluated it must be available for construction and an adequate size to allow for future growth as the intended purpose of the Protoplex is to foster the formation of a new Manufacturing Technology and Innovation Campus. Based upon these requirements, no additional locations were available.

2.3 Alternatives Retained for Detailed Analysis

2.3.1 Proposed Action

Under the Proposed Action, NIST would fund a portion of the construction of the Protoplex. The facility would be approximately 117,000 gross square feet (ft²) on an approximately 15-acre site. The facility would include high bay laboratories; enclosed lab and shop spaces; storage; offices; meeting and collaboration space; lobby and display space; and general building support. The funds would be utilized for construction of the structure only. The General Services Building and Compressible Flow Laboratory buildings have been demolished. The facilities are no longer in use as the programs have relocated to other buildings on campus. Ground disturbing activities and operation and maintenance of the facility would be reliant upon Missouri S&T funds. The Protoplex would be located in a disturbed area located to the north of Interstate 44 and east of White Columns Drive, off of the main campus, in Rolla, Missouri, see Figure 1. The Proposed Action would also include installation of required utility services to the facility.

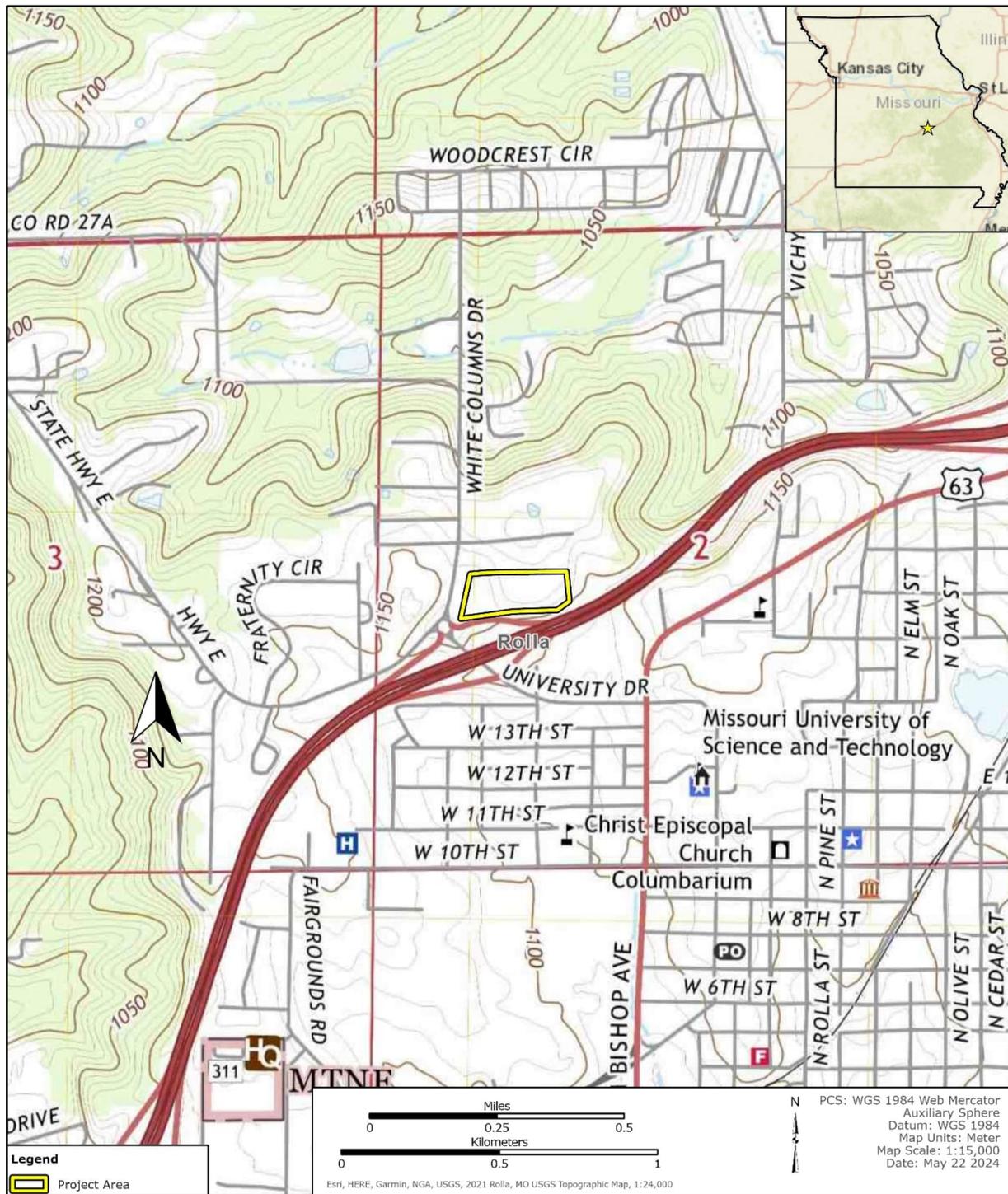


Figure 2 – Proposed Action Location



Figure 3 – Proposed Action Area of Disturbance

The Protoplex would be located at 1700 White Columns Drive. The facility would include a two story building that would be approximately 117,000 gross ft². The facility would include high bay space, low bay laboratories, offices, meeting rooms, classrooms, flexible project rooms, and

associated mechanical, including penthouse, and support spaces. Access and parking for the facility will include a new entry drive and ninety parking spaces. In addition, there will be a new service drive to the loading dock to support the new facility. The high bay spaces would be double height with a curve along the south side of the building. The building exterior facade is to be comprised of two different aluminum composite panels on the high bay volume with curtainwall providing daylight into the high bay from the south, and metal panel with storefront/curtainwall on the northern office volume. The site is currently cleared of all structures. Associated site work includes grading to accommodate the new footprint, retaining walls, and parking.

The site will also accommodate 225 geothermal wells to support the new geothermal plant located within the mechanical room. Water and wastewater will also be connected to the existing system within the area.

The build-out would be designed in accordance with the most recent International Building Code and the NIST Standard Terms and Conditions for Extramural Construction Projects.

2.3.2 No Action Alternative

Under the No Action Alternative, the Missouri S&T would not fund the construction of the facility and the Protoplex would not be constructed within the future Manufacturing Technology and Innovation Campus in Rolla, Missouri. If the Protoplex is not constructed, the opportunity to provide a space for innovative technologies supporting advanced manufacturing would not be made available.

The No Action Alternative would not meet the purpose and need for the Proposed Action; however, as required by NEPA, the No Action Alternative is carried forward for analysis in this EA and provides a baseline for measuring the environmental consequences of the Proposed Action alternative.

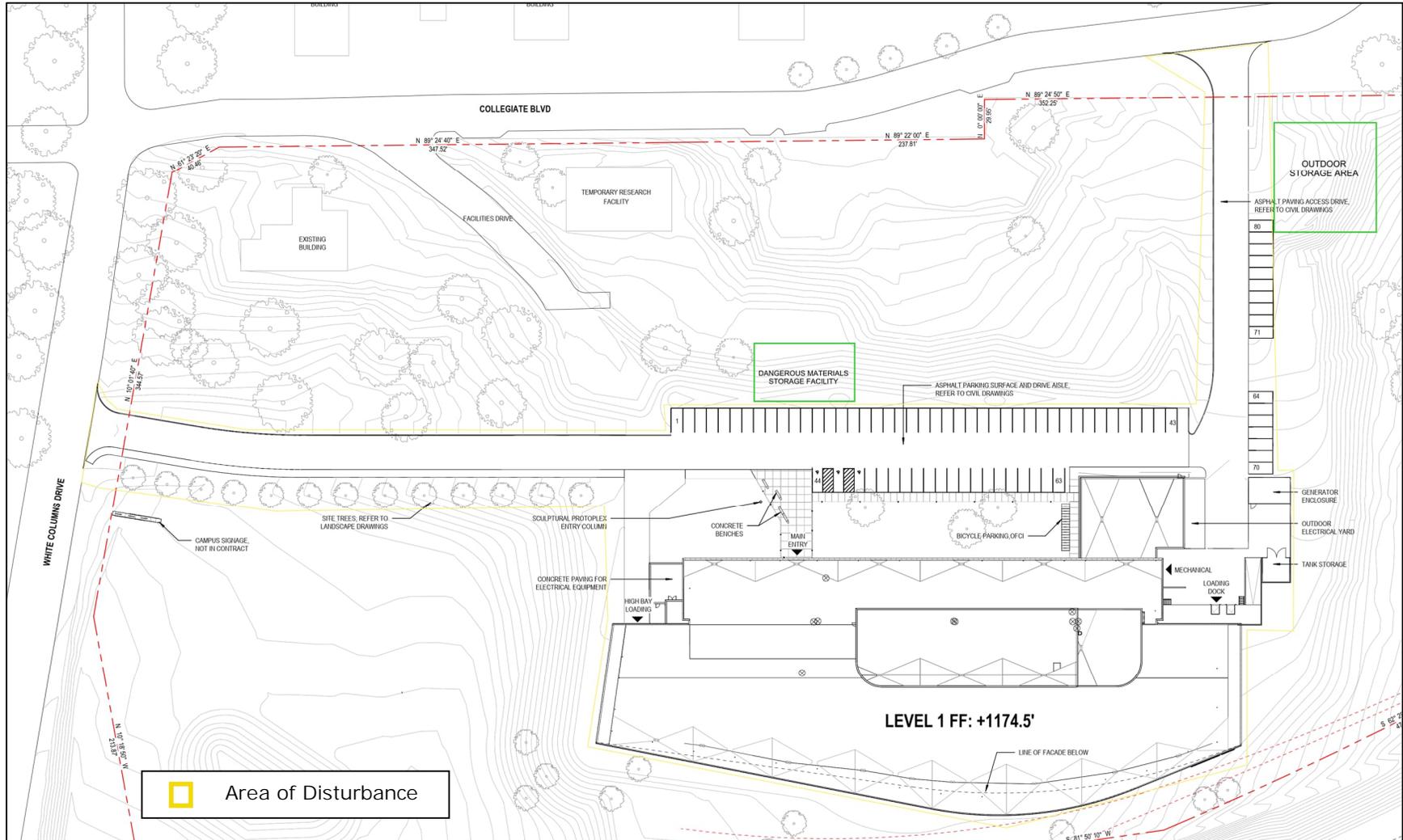


Figure 4 – Proposed Footprint

3.0 AFFECTED ENVIRONMENT, ENVIRONMENTAL CONSEQUENCES, AND MITIGATION/MANAGEMENT MEASURES

This chapter describes the current conditions of the environmental resources, either manmade or natural, that would be affected by implementation of the Proposed Action or alternatives. This chapter also describes the potential environmental impacts that are likely to occur as a result of implementation of the Proposed Action. The No Action Alternative provides a baseline against which the impacts of the Proposed Action can be compared.

3.1 Criteria of Analysis of Impacts

After each description of the relevant baseline conditions of each considered Technical Resource Area, the potential direct and indirect effects of the Preferred Action and No Action Alternative are analyzed. The significance of an action is also measured in terms of its context and intensity. For the purposes of this analysis, the potential environmental impacts are described in terms of duration, whether they are direct or indirect, the magnitude of the impact, and whether they are adverse or beneficial, as summarized in the following paragraphs:

Short-term or long-term. In general, short-term impacts are those that would occur only with respect to a particular time-lined activity, for a finite period, or only during the time required for construction or installation activities. Long-term impacts are those that are more likely to be persistent and chronic.

Direct or indirect. A direct impact is caused by an action and occurs around the same time at or near the location of the action. An indirect impact is caused by an action and might occur later in time or be farther removed in distance but still be a reasonably foreseeable outcome of the action.

Adverse or beneficial. An adverse impact is one having unfavorable or undesirable outcomes on the man-made or natural environment. A beneficial impact is one having positive outcomes on the man-made or natural environment.

3.2 Significance Criteria

Significance is based on the twin criteria of context and intensity (40 CFR 1508.27). Context means the affected environment in which a proposed action would occur; it can be local, regional, national, or all three, depending upon the circumstances. Context means that the significance of an action must be analyzed in several contexts such as society as a whole (human/national), the affected region, the affected interests, and the locality. Significance varies with the setting of the proposed action. For instance, in the case of a site-specific action, significance would usually depend upon the effects in the locale rather than in the world as a whole. Both short- and long-term effects are relevant. Intensity refers to the severity of impact, ranging from negligible, minor, moderate or significant.

Negligible impacts are generally those that might be perceptible but are at the lower level of detection. A minor impact is slight, but detectable. A moderate impact is readily apparent.

Significant impacts are those that, in their context and due to their magnitude (severity), have the potential to meet the thresholds for significance set forth in the CEQ regulations (40 CFR 1508.27) and, thus, warrant heightened attention and examination for potential means for mitigation to fulfill the policies set forth in NEPA. Significance criteria by resource area are presented below.

Coastal Resources. The potential to convert/construct within designated coastal areas and/or not be consistent with state prepared coastal management plans.

Land Use. The potential for conversion of current land use of property that would impact use and viability of adjacent properties by current and future landowners.

Water Resources. The potential to result in major disturbances in the natural flow, discharge, and recharge of water resources within the project or adjacent areas. This includes the potential for a substantial loss, degradation, or fragmentation of wetland habitat.

Floodplains. Construction within a 100- or 500-year floodplain that modifies the floodplain impacting downstream receivers by reducing flow or increasing quantity above the capacity of the floodplain.

Threatened and Endangered Species. The U.S. Fish and Wildlife Service (USFWS) determines that the action would be likely to jeopardize the continued existence of a federally listed threatened or endangered species or would result in the destruction or adverse modification of federally designated critical habitat.

Air Quality. The potential for emissions to result in a considerable net increase of any criteria pollutant within the Southeast Missouri Air Quality Control Region or are in exceedance of the Missouri Air Conservation Commission regulations which would not be in compliance with the State Implementation Plan.

Cultural Resources. The potential to result in ground disturbing activities that may adversely affect known or unidentified cultural resources within the project area.

Socio-Economic. Disproportionate impacts to either low-income, minority, or individuals with limited English proficiency including limited access to social services, community resources, transportation, and economic advancement as well as impacts directly or indirectly to their health.

Transportation. Modification or increase of traffic that would cause a substantial decrease in mobility, increase commuting time, or decrease safety.

Hazardous Materials, Waste Management and Pollution Prevention. The potential to expose workers and the surrounding public to hazardous materials including toxic chemicals, infectious and radioactive materials beyond what is regulated. The potential to increase the amount of solid waste generated, and the potential to violate applicable federal, state, tribal, or local laws or regulations regarding hazardous materials and/or solid waste management.

Aesthetics: Substantially alter a scenic vista or resource, substantially degrade the visual character of the site and its surroundings; or create a new source of substantial light or glare which would adversely affect day or nighttime views in the area.

Noise. The potential to result in noise levels in exceedance of 80 decibels (dB) for a prolonged duration of time during the hours of 7:00 am to 7:00 pm or 75 dB from 7:00 pm to 7:00 am or not in accordance with Rolla Noise Ordinance, Section 30-19 97-03, impacting the quality of life of those within residential areas.

Environmental Justice. The potential to lead to a disproportionately high and adverse impact to an environmental justice population (low-income or minority population).

Climate Change. The potential for emissions to result in a considerable net increase of greenhouse gases in such a quantity that the purpose and need of a project or other resources (e.g., threatened and endangered species, water resources, etc.) will be impacted.

3.3 Environmental Resources Not Carried Forward for Detailed Analysis

The determination of environmental resources to be analyzed versus those not carried forward for detailed analysis is part of the EA scoping process. CEQ and regulations (40 CFR §1501.7[a] [3]) encourage project proponents to identify and eliminate from detailed study the resource areas that are not important or have no potential to be impacted through implementation of their respective proposed actions. Some resource areas or some aspects of resource areas would not be affected by the proposed or alternative actions. Resource areas that have been eliminated from further study in this document and the rationale for eliminating them are presented below:

Coastal Resources: The project area is not located within a state identified in the Coastal Zone Management Act of 1972 or Coastal Barriers Resources Act; therefore, there are no impacts to coastal resources. No further analysis is required.

Floodplain: Executive Order (E.O.) 11988, "Floodplain Management", requires Federal agencies to avoid actions, to the extent practicable that will result in the location of facilities in floodplains and/or affect floodplain values. Facilities located in a floodplain may be damaged or destroyed by a flood or may change the flood handle capability of the floodplain, or the pattern, or magnitude of the flood flow. The project area is located within an area designated outside of a 100-or 500-year floodplain, per a Flood Insurance Rate Map, Panel 29161C0233D, effective February 20, 2008. The Proposed Action will increase the amount of impervious cover by the square footage of the building; however the additional runoff-will be captured by the existing stormwater system owned and maintained by the city of Rolla. There is no requirement by the city of Rolla for S&T to construct or utilize stormwater detention features; however, a fee in lieu of on-site stormwater detention is required. The fee is based on an increase in the peak stormwater flow from the development in question. Since the Proposed Action is not located within a floodplain and additional runoff will be discharged within an existing system that has capacity, no impacts to floodplains are anticipated. The increase in stormwater runoff will be mitigated by the "in lieu of" fee. (see Section 3.5)

Threatened and Endangered Species: The USFWS Information for Planning and Consultation (IPaC) system documents that eight threatened, endangered, or candidate species have the potential to be present on-site. The species that are listed include: tricolored bat (*Perimyotis subflavus*), Gray Bat (*Myotis grisescens*), Indiana Bat (*Myotis sodalists*), Northern Long-eared Bat

(*Myotis septentrionalis*), Eastern Hellbender (*Cryptobranchus alleganiensis*), Salamander Mussel (*Simpsonaias ambigua*), Hine's Emerald Dragonfly (*Somatochlora hineana*), and Monarch butterfly (*Danaus plexippus*) (USFWS 2024). The project area is previously disturbed and is composed of native shortgrasses with no water and is devoid of trees or roosting areas, or open prairie. Due to the current condition of the site, and lack of habitat, it is anticipated that none of the listed species reside in or utilize the project area.

Cultural Resources: A Phase I Archaeological Survey of the project area was conducted on October 10, 2023 and March 27, 2024 (Burns and McDonnell 2024). No cultural resources were identified within the Projects 13-acre Area of Direct Effects (APE) during the background review. A Phase I archaeological resources survey, with systematic shovel testing. Sixteen shovel tests were excavated. The survey followed the Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Preservation (48 FR 44716-44742), the Secretary's Standard for Identification (48 FR 44720-44723), the Missouri State Historic Preservation Office (SHPO) Guidelines for Phase I Archaeological Surveys and Reports and guidelines set forth in Osage Nation Historic Preservation Office's (ONHPO) 2023 Archaeological Survey Standards. The survey was provided to the SHPO associated with a request for consultation regarding historic resources. The SHPO was requested for consultation under Section 106 of the National Historic Preservation Act and a response was received on April 10, 2024, see Appendix C. The agency stated that "the project area has no known historic properties present and a low potential for the occurrence of cultural resources. SHPO concurs with your determination of No Historic Properties Affected." It was requested that if unidentified archaeological resources are discovered, that the SHPO be contacted. S&T will adhere to that request. Six federally recognized tribes were contacted and requested consultation under Section 106 of the National Historic Preservation Act (NHPA). NIST also requested a concurrence of the SHPO's finding of no properties eligible for listing under the National Register of Historic Places. The Osage Nation requested additional information. The additional information was provided by NIST on May 16, 2024 via email, and at the time of this publication, more than 30 days later, a response as not yet been received.

Land Use: The Proposed Action is to occur within an area owned by Missouri S&T and zoned for institutional use. The project area is currently utilized by the university and contains two buildings. The intended use of the project area will remain for use by the university and for institutional purposes. No change in land use is anticipated.

Socioeconomics: The Proposed Action is anticipated to have a minor, short-term, temporary positive impact on the local economy as a result of construction activities within the area. The temporary positive impact should be caused by incidental spending by construction workers and the purchase of construction materials. Individuals who would operate the facility are currently employed by Missouri S&T. In anticipation of the facility Missouri S&T has employed the staff who would support the educational and research opportunities held within the Protoplex. If additional employees are needed, the number is anticipated to be negligible. No adverse impacts to socioeconomic resources would be expected.

Transportation: The Proposed Action is anticipated to generate a minor, short-term impact on the existing traffic patterns on White Columns Road to the west of the Proposed Action and

Collegiate Boulevard to the north. An increase in construction related traffic is anticipated during the ground clearing and construction activities. Construction traffic will enter onto the into the construction site through the existing Collegiate Boulevard entrance. As there is no gate to enter into the area and White Columns Road is an exit of Interstate 44, additional vehicles utilized for construction will not require special access, allowing for the continued flow of traffic. Upon completion of construction, the anticipated level of use on existing roads and access to the area is anticipated to be the same as when the General Services Building and Compressible Flow Laboratory was in operation. No adverse impact to transportation would be expected.

3.4 Air Quality

3.4.1 Affected Environment

The United States Environmental Protection Agency (USEPA) established primary and secondary National Ambient Air Quality Standards (NAAQS) under the Clean Air Act (CAA), 42 United States Code § 7401 et seq. The CAA also set emission limits for certain air pollutants from specific sources, set new source performance standards based on best demonstrated technologies, and established national emission standards for hazardous air pollutants.

The CAA specifies two sets of standards – primary and secondary – for each regulated air pollutant. Primary standards define levels of air quality necessary to protect public health, including the health of sensitive populations such as people with asthma, children, and the elderly. Secondary standards define levels of air quality necessary to protect against decreased visibility and damage to animals, crops, vegetation, and buildings. Federal air quality standards are currently established for six pollutants (known as criteria pollutants), including carbon monoxide (CO), nitrogen dioxide (NO₂), ozone (O₃), sulfur oxides (SO_x), commonly measured as sulfur dioxide [SO₂], lead, particulate matter equal to or less than 10 micrometers in aerodynamic diameter (PM₁₀) and particulate matter equal to or less than 2.5 micrometers in aerodynamic diameter (PM_{2.5}). Although O₃ is considered a criteria pollutant and is measurable in the atmosphere, it is often not considered as a pollutant when reporting emissions from specific sources, because O₃ is not typically emitted directly from most emissions sources. Ozone is formed in the atmosphere from its precursors – nitrogen oxides (NO_x) and volatile organic compounds (VOCs) – that are directly emitted from various sources. Thus, emissions of NO_x and VOCs are commonly reported instead of O₃. The NAAQS for the six criteria pollutants are shown in Table 2.

Table 1 National Ambient Air Quality Standards

| Pollutant | Primary/ Secondary | Averaging Time | Level | Form |
|-----------------|-----------------------|----------------|--------|---------------------------------------|
| Carbon Monoxide | Primary | 8-Hour | 9 ppm | Not to exceed more than once per year |
| | | 1-Hour | 35 ppm | |

| Pollutant | Primary/ Secondary | Averaging Time | Level | Form |
|--|-----------------------|-------------------------|---------------------------------------|---|
| Lead | Primary | Rolling 3-month average | 0.15 µg/m ³ ⁽¹⁾ | Not to be exceeded |
| | Secondary | | | |
| Nitrogen Dioxide | Primary | 1 Hour | 100 ppb | 98 th percentile of 1-hr daily maximum concentrations, averaged over 3 years |
| | Primary and Secondary | 1 Year | 53 ppb ⁽²⁾ | Annual Mean |
| Sulfur Dioxide | Primary | 1 Hour | 75 ppb ⁽⁴⁾ | 99 th percentile of 1-hour daily maximum concentrations, averaged over 3 years |
| | Secondary | 3 Hours | 0.5 ppm | Not to be exceeded more than once per year |
| Particle Pollution (PM_{2.5}) | Primary | 1 Year | 12.0 µg/m ³ | Annual mean, averaged over 3 years |
| | Secondary | 1 Year | 15.0 µg/m ³ | Annual mean, averaged over 3 years |
| | Primary and Secondary | 24 Hours | 35 µg/m ³ | 98 th percentile, averaged over 3 years |
| Particle Pollution (PM₁₀) | Primary and Secondary | 24 Hours | 150 µg/m ³ | Not to be exceeded more than once per year on average over 3 years |
| Ozone | Primary and Secondary | 8 Hours | 0.070 ppm ⁽³⁾ | Annual fourth-highest daily maximum 8-hour concentration, averaged over 3 years |

USEPA 2024a.

ppm – parts per million

ppb – parts per billion

µg/m³ – microgram per cubic meter

(1) In areas designated nonattainment for the Pb standards prior to the promulgation of the current (2008) standards, and for which implementation plans to attain or maintain the current (2008) standards have not been submitted and approved, the previous standards (1.5 µg/m³ as a calendar quarter average) also remain in effect.

(2) The level of the annual NO₂ standard is 0.053 ppm. It is shown here in terms of ppb for the purposes of clearer comparison to the 1-hour standard level.

(3) Final rule signed October 1, 2015, and effective December 28, 2015. The previous (2008) O₃ standards additionally remain in effect in some areas. Revocation of the previous (2008) O₃ standards and transitioning to the current (2015) standards would be addressed in the implementation rule for the current standards.

(4) The previous SO₂ standards (0.14 ppm 24-hour and 0.03 ppm annual) would additionally remain in effect in certain areas: (1) areas for which it is not yet 1 year since the effective date of designation under the current (2010) standards, and (2) areas for which an implementation plan providing for attainment of the current (2010) standard has not been submitted and approved and which is designated nonattainment under the previous SO₂ standards or is not meeting the requirements of a SIP call under the previous SO₂ standards (40 CFR 50.4(3)). A SIP call is an EPA action requiring a state to resubmit all or part of its State Implementation Plan to demonstrate attainment of the required NAAQS.

The USEPA classifies the air quality within an Air Quality Control Region (AQCR) according to whether the region meets federal primary and secondary air quality standards. An AQCR or portion of an AQCR may be classified as attainment, non-attainment, or unclassified with regard to the air quality standards for each of the criteria pollutants. "Attainment" describes a condition in which standards for one or more of the six pollutants are met in an area. The area is considered an attainment area for only those criteria pollutants for which the NAAQS are met. "Nonattainment" describes a condition in which standards for one or more of the six pollutants are not met in an area. "Unclassified" indicates that air quality in the area cannot be classified and the area is treated as attainment. An area may have all three classifications for different criteria pollutants.

The CAA requires federal actions to conform to any applicable state implementation plan (SIP). USEPA has promulgated regulations implementing this requirement under 40 CFR Part 93. A SIP must be developed to achieve the NAAQS in non-attainment areas (i.e., areas not currently attaining the NAAQS for any pollutant) or to maintain attainment of the NAAQS in maintenance areas (i.e., areas that were non-attainment areas but are currently attaining that NAAQS). General conformity refers to federal actions other than those conducted according to specified transportation plans (which are subject to the Transportation Conformity Rule). Therefore, the General Conformity rule applies to non-transportation actions in non-attainment or maintenance areas. Such actions must perform a determination of conformity with the SIP if the emissions resulting from the action exceed applicability thresholds specified for each pollutant and classification of nonattainment. Both direct emissions from the action itself and indirect emissions that may occur at a different time or place but are an anticipated consequence of the action must be considered.

The Missouri Department of Natural Resources (MDNR), is the primary authority for protecting air quality in Missouri. Phelps County is currently designated as in attainment or unclassified for all criteria pollutants and meets the NAAQS (USEPA 2024b).

3.4.2 Environmental Consequences

Preferred Alternative

Under the Preferred Alternative, construction activities would generate minor amounts of fugitive dust (PM₁₀) and gaseous emissions of CO, VOC, NO_x, SO₂, and PM_{2.5} from the combustion of

fuel by construction equipment and vehicles. These quantities would be below the Applicability for Conformity as noted in Table 2.

The quantity of uncontrolled fugitive dust emissions from a construction site is proportional to the area of land worked on and the level of construction activity. The USEPA estimates that uncontrolled fugitive dust emissions from ground-disturbing activities is emitted at a rate of 80 pounds (lbs) of total suspended particulate (TSP) per acre day of disturbance. In a USEPA study of air sampling data at a distance of 164 feet downwind from construction activities, PM10 emissions from various open dust sources were determined based on the ratio of PM10 to TSP sampling data. The average PM10 to TSP ratios for topsoil removal, aggregate hauling, and cut and fill operation are reported as 0.27, 0.23, and 0.22, respectively. Using 0.24 as the average ratio for purposes of this analysis, the emission factor for PM10 dust emissions becomes 19.2 lb per acre per day of disturbance. During construction, the fugitive dust emissions would increase due to the nature of ground disturbance; however, the impact is short-term in duration. The closest receptors are residing within the residential area located 500 feet to the southeast of proposed project area. Additionally, the USEPA estimates that the effects of fugitive dust from construction activities are reduced significantly with an effective watering program. Watering the disturbed area of the construction site twice per day with approximately 3,500 gallons per acre per day reduces TSP emissions as much as 50 percent (USEPA 2009). The effects from fugitive dust last only as long as the duration of construction activity, fall off rapidly with distance from the construction site, and do not result in long-term impacts.

Combustive emissions, which include CO, VOCs, NO_x and SO₂, from construction equipment were estimated using the factors from USEPA AP-42 Volume 2. Utilizing the USEPA AP-2 factors, the emission estimate for the duration of construction is shown in Table 2. As with fugitive dust emissions, construction equipment would produce slightly elevated air pollutant concentrations during the period of construction. However, the estimated emissions would not exceed the applicable conformity level. Air emission calculations are provided in Appendix A.

Table 2 Preferred Alternative Estimated Construction Emissions - Annually

| | CO | VOC | NO_x | SO_x | PM₁₀ |
|------------------------------------|-----------|------------|-----------------------|-----------------------|------------------------|
| Proposed Action (tpy) | 22.52 | 3.76 | 51.34 | 5.48 | 3.37 |
| Applicability for Conformity (tpy) | 100 | 100 | 100 | 100 | 100 |

Notes:

CO = carbon monoxide

NO_x = nitrogen oxides

PM₁₀ = particulate matter equal or less than 10 micrometers in diameter

SO_x = sulfur oxides

tpy = tons per year

VOC = volatile organic compound

There would be a short-term, adverse, direct, and minor impact in air quality due to the increase emissions from heavy equipment used during the construction of Protoplex. No heavy equipment operation will be required during the operation of the facility.

To operate the facility, a major point source will not be required nor installed. To reduce the need for point-source generators Missouri S&T will install 225 geothermal wells which will support at least ninety percent of heating and seventy percent of cooling for the facility. An emergency generator will be installed. As the generator will be utilized for emergency purposes only, the engine does not have the potential to emit air pollutants in excess of major source levels, requiring a Part 70 Operating Permit in accordance with 10 Code of State Regulations (CSR) 6.065 and 40 CFR 70.0. The air emissions associated with the generator would be de minimus. The construction would be a short-term, adverse, direct and minor impact on air quality and the long-term impact would be adverse, direct and minor as the point source generator would only be used during required maintenance and emergencies. No significant impact is anticipated.

No Action Alternative

Under the No Action Alternative, existing conditions would be maintained; therefore no additional emissions associated with the construction. No impact anticipated.

3.4.3 Mitigation / Management Measures

To mitigate short-term impacts, best management practices (BMP) should be implemented to reduce emissions during the construction (CO, VOC, NO_x, SO₂). These BMPs could include:

- Use appropriate dust suppression methods during on-site construction activities. Available methods include application of water, dust palliative, or soil stabilizers; use of enclosures, covers, silt fences, or wheel washers; and suspension of earth-moving activities during high wind conditions.
- Shut off equipment when it is not in use.
- Visually monitor all construction activities regularly and particularly during extended periods of dry weather and implement dust control measures in addition to scheduled period when needed.

3.5 Water Resources

3.5.1 Affected Environment

Section 404 of the Clean Water Act (Section 404) authorizes the Secretary of the Army to issue permits for the discharge of dredged or fill material into Waters of the United States (WOTUS). Federal regulations note that WOTUS may include intrastate rivers and streams, including impoundments and other waters. In response to a recent Supreme Court decision addressing the limits of federal jurisdiction, the United States Army Corps of Engineers (USACE) and Environmental Protection Agency (EPA) have issued further guidance and require additional documentation to support jurisdiction. Currently, the USACE continues to assert jurisdiction over traditionally navigable waters and non-navigable tributaries of traditionally navigable waters where the tributaries are relatively permanent waters (i.e., tributaries that typically flow year-round or have continuous flow at least seasonally). Current USACE guidelines require a jurisdictional evaluation to determine if the features have continuous surface connection to traditionally

navigable waters for waterbodies and tributaries that are not relatively permanent waters (i.e., ephemeral).

The Rolla Missouri topographic map and the National Hydrography Dataset (NHD), as well as other available data (National Wetland Inventory [NWI], Soil Surveys, aerial photography, etc.) were reviewed. There are no water features on the site; therefore an evaluation for jurisdictional status by the USACE or the State of Missouri is not required.

3.5.2 Environmental Consequences

Preferred Alternative

Implementation of the Preferred Alternative would result in no direct impacts to surface waters, as no surface waters occur within the footprint of the Protoplex. The Preferred Alternative may result in negligible, short-term and long-term indirect effects to surface water quality caused by increased stormwater runoff due to an increase of impervious surfaces of the building and parking areas. The following is a list of potential contaminants related to construction:

Table 3– Potential Construction Contaminants

| Material | Pollutants |
|----------------------|---|
| Concrete | Limestone, sand |
| Asphalt | Petroleum |
| Glue, adhesives | Polymers, epoxies |
| Paints | Metal oxides, solvents, carbonate, arsenic |
| Wood preservatives | Solvent, petroleum distillates, arsenic, copper, chromium |
| Hydraulic oil/fluids | Mineral oil |
| Gasoline | Benzene, ethyl benzene, toluene, xylene, Methyl Tertiary Butyl Ether (MTBE) |
| Diesel fuel | Petroleum distillate, oil & grease, naphthalene, xylenes |
| Kerosene | Coal oil petroleum distillates |
| Antifreeze/coolant | Ethylene glycol, propylene glycol, heavy metals (copper, lead, zinc) |
| Sanitary toilets | Bacteria, parasites, and viruses |
| Site trash | Plastic, paper |

The amount of soil anticipated to be disturbed is expected to be greater than one acre; therefore prior to construction authorization under the MDNR Application for Area-wide Land Disturbance Stormwater General Permit would be required. The general permit authorizes stormwater discharge under the National Pollutant Discharge Elimination System (NPDES) (MDNR 2024). Prior to any ground disturbance, a Stormwater Pollution Prevention Plan (SWPPP) must be prepared and implemented to minimize construction-related impacts. Implementation of the SWPPP and BMPs and compliance with the terms and conditions of the MDNR NPDES General Permit would ensure any potential impacts are not significant.

After construction activities are completed, majority of the project site would be impervious surface, increasing the amount of runoff during rain-events. The increased runoff would be discharged into the Rolla Municipal Separate Storm Sewer System. The city of Rolla does not require construction of a detention structure; however, a fee in lieu of on-site stormwater detention

is required. The fee is based on an increase in the peak stormwater flow from the development in question. To mitigate impacts associated with soil disturbance during construction, the potential increase in sediment loading and pollutants entering the existing stormwater system is required along with the implementation of a Stormwater Pollution Prevention Plan (SWPPP). The contractor should implement BMPs to ensure that during rain events, sediment and debris do not leave the site and increase sediment loading and pollutants entering existing stormwater system.

BMPs to be utilized can include:

- Watering of disturbed areas;
- Planning and conducting earthwork in a manner that minimizes the duration of exposure of unprotected soils;
- Rotating staging areas during construction activities;
- Maintaining temporary erosion control measures, such as berms, dikes, drains, sedimentation basins, grassing, and mulching, until permanent drainage and erosion control facilities are completed and operative; and
- Mulching of disturbed areas in lieu of permanent erosion controls, such as revegetation.

Under the Preferred Alternative the potential for short and long-term impacts to surface water is present; however, with the implementation of BMPs and mitigation the impacts should not be considered significant.

No Action Alternative

Under the No Action Alternative, there are no surface waters present in the project area; therefore, no impacts to these resources are anticipated.

3.5.3 Mitigation Measures

Because the area of disturbed soil will exceed one acre, authorization under NPDES Permit for Construction Site Activities is required along with the implementation of a SWPPP. The contractor will implement BMPs to ensure that during rain events, sediment and debris do not leave the site and increase sediment loading and pollutants entering the right of way (stormwater conveyance). BMPs to be utilized may include but are not limited to:

- Managing stockpiled materials to minimize the time between delivery and use;
- Covering stockpiled materials with tarps;
- Installing silt fences around material stockpiles, storm water drainage routes, culverts, and drains;
- Installing hay or fabric filters, netting, and mulching around material stockpiles, storm water drainage routes, culverts, and drains;
- Watering disturbed areas to control windblown dust;

- Installing track-out protection to minimize sediment being tracked onto pavement from vehicles exiting the work site;
- Suspending work during rainy conditions;
- Planning and conducting earthwork in a manner that minimizes the duration of exposure of unprotected soils;
- Maintaining temporary erosion control measures, such as berms, dikes, drains, sedimentation basins, seeding, and mulching, until permanent drainage and erosion control facilities are completed and operative; and
- Employing good housekeeping measures to minimize exposure of materials stored on site to stormwater.

To mitigate the long term impacts of increased stormwater runoff from the project site, Missouri S&T will pay an lieu of fee to the City of Rolla.

3.6 Aesthetics

3.6.1 Affected Environment

Visual and aesthetic resources include features of both the built and natural environment that together make the visual environment. Examples of these resources can include parks; natural areas; scenic features; open vistas; water bodies; and other landscape features. Historic or urban core districts can also be visual resources. All of these visual resources create aesthetic qualities that are valued by the public that is viewing or could view the resources. Viewers may include neighbors (who occupy land adjacent or visible to the project), travelers (who may see the Preferred Alternative using existing transportation), and Native Americans and other consulting parties with an interest in the project area.

Sensitive areas comprise regions of exceptional scenic beauty, vantage points, scenic highways, wilderness areas, scenic overlooks, national forests, and stretches along wild and scenic rivers. Formally Classified Lands (FCLs) are properties administered either by federal, state, or local agencies, or properties that have been given special protection through formal legislative designation. Review of FCLs in the project area began with the United States Department of Agriculture (USDA) guidance document regarding FCLs. FCLs can cover a wide range of agency oversight, necessitating reference to multiple agency databases. The United States Geological Service (USGS) Protected Areas Database of the U.S. (PAD-US) combines several agency databases into a single source documenting lands with some level federal, state, local, and private protection.

Review of the PAD-US revealed no known protected areas within the project area. The nearest PAD-US documented protected land is the Bray (Marguerite) Conservation Area, approximately 2.64 miles southwest of the project area, managed by the Missouri Natural Resources Conservation Service. Another site is located to the northeast, Little Prairie Conservation Area, managed by the Missouri Department of Conservation, lies approximately 5.3 miles to the

northeast. In addition to the PAD-US, multiple agency databases were reviewed including the USFWS, United States Forest Service (USFS), Missouri SHPO, National Park Service (NPS), and USGS to determine if the project area is located within the administrative boundaries of FCLs. No FCLs were identified within the project area or its immediate vicinity to the north, south, east or west.

There are three multi-family developments, visually sensitive areas, within close proximity of the Protoplex. The nearest complex is located approximately 360 feet to the north, adjacent to the northern side of Collegiate Boulevard. The second closest complex is located approximately 384 feet and the other one is located approximately 740 feet. There are three fraternity buildings, which houses members of the fraternity; the fraternity houses are associated with the following organizations: Sigma Tau, Beta Sigma Psi, and Kappa Alpha. The buildings are located to the west of White Columns Drive, approximately 240 feet to the west of the Protoplex. To the south is Interstate 44 and the Missouri S&T campus beyond. To the east and northeast are wooded areas. The topography of the residential areas and the project area is relatively consistent.

3.6.2 Environmental Consequences

Preferred Alternative

Under the Preferred Alternative, the visual characteristics of the project area will be altered by the construction of the Protoplex. The facility is anticipated to be two-story and will be located on graded terrain. The visually sensitive areas are located within close proximity to the Protoplex and due to the distance and lack of other buildings or obstructions, would be visible.

During the construction of the Proposed Action, large equipment and construction related materials would be observed from the visually sensitive areas. To reduce the visual impact associated with construction, activities will only occur during daylight hours, 7 am to 7 pm in the summer months and 8 am to 6 pm during winter months and overhead lighting will not be used. This impact is considered short-term, adverse, and minor.

The project area for the Protoplex was utilized by the university and contained multiple buildings and parking areas. The Preferred Alternative is consistent with the intended and previous use of the Missouri S&T property. The exterior of the building will be comprised of two different aluminum composite panels on the high bay volume with curtainwall providing daylight into the high bay from the south, and metal panel with storefront/curtainwall on the northern office volume. Trees will be planted along the northern façade (facing Collegiate Boulevard) and planting 15 native canopy and ornamental trees scattered throughout the native area proposed south of the building. As Rolla does not have requirements associated with aesthetics beyond signage, the exterior of the building is not required to meet or exceed any county requirements. Additionally, the lighting on the exterior of the building would be designed and constructed to focus lighting down and towards the building, ensuring that light pollution is not emitted from the exterior security lights.



Figure 5 – Rendering of the Exterior of the Protoplex

As the current project area includes an older facility that is no longer in use, the Preferred Action could have a beneficial impact as the building will be constructed to complement the S&T campus to the south. Over the long-term, no negative visual impacts are associated with the Preferred Action.

No Action Alternative

Under the No Action Alternative, the land would remain vacant and footprints of demolished facilities would remain. The view from the visually sensitive areas would remain consistent. No impacts anticipated.

3.6.3 Mitigation / Management Measures

During construction, activities will only occur during daylight hours, 7 am to 7 pm in the summer months and 8 am to 6 pm during winter months and overhead lighting will not be used. Exterior lighting would be placed and installed to ensure that lighting does not leave the Protoplex area.

3.7 Hazardous Materials, Waste Management and Pollution Prevention

3.7.1 Affected Environment

Missouri S&T has established procedures for compliance with applicable laws and regulations for collecting, storing, processing, and disposing of sanitary liquid wastes, solid wastes, and hazardous wastes. The Missouri S&T Environmental Health and Safety Department is responsible for facilitating protection of human health and the environment and, to ensure compliance with all environmental regulations, to use campus resources wisely, to design programs that are easy to use and non-intrusive, if at all possible, and to focus on preventative strategies to eliminate potential risks. If hazardous waste is generated at the facility, those who interact with the waste will be trained in hazardous waste generation and the department will maintain the appropriate records including waste manifests. Non-contaminated solid waste is disposed as municipal trash through the Missouri S&T Solid Waste management system and disposed of at the Prairie Valley Landfill located in Crawford County.

A Phase I Environmental Site Assessment (ESA) was performed for the project area on July 8, 2022. The Phase I ESA was performed in accordance with American Society for Testing and Materials (ASTM) Practice E 1527-13 and 40 CFR Part 312 (Environmental Operations, Inc 2022). The Phase I ESA was performed on 15-acres, of which the Project Area is located. The area reviewed included the property to the north of the demolished General Services Building to Collegiate Boulevard and into the wooded area to the east, approximately 400 feet.

The Phase I ESA documented three recognized environmental conditions (REC):

- Staining at the Dangerous Materials Storage Facility (DMSF). The staining was noted on the concrete underneath the lift. The lift had been in operation for at least 30 years; however the lift and cylinders had been replaced during that time and the concrete had been installed between 2020 and 2022. The current concrete staining would represent a de minimis condition, however, based on the likelihood that the lift was leaking prior to the concrete being in place, hydraulic fluid may be present in the soil under the lift. The likelihood of this fluid leaking for a prolonged period of time and its presence in the underlying soil in unknown quantities represents a REC to the subject property. The DMSF is outside of the Project Area.
- Staining within the General Services Building. Staining was observed in the immediate vicinity an air compressor. The compressor that was in use was manufactured more recently than 1979 (the date which Polychlorinated biphenyls [PCB] were banned from manufacture by the EPA), however based on interviews with subject site personnel, an older air compressor previously occupied the same area and the staining may have been attributed to the operation of the older air compressor. Since the date associated with the staining could not be determined, the release of hydraulic oils associated with such machinery represents a REC.
- Non-clean fill at the Outdoor Storage Area/Boneyard. An area of non-clean fill was noted within the Outdoor Storage Area/Boneyard. The materials were composed of concrete, old brick, electric transformers and unknown building materials, none of which has been tested. This fill material's presence on the subject property represented a REC since its origins were unknown. The Outdoor Storage Area/Boneyard is outside of the Project Area.

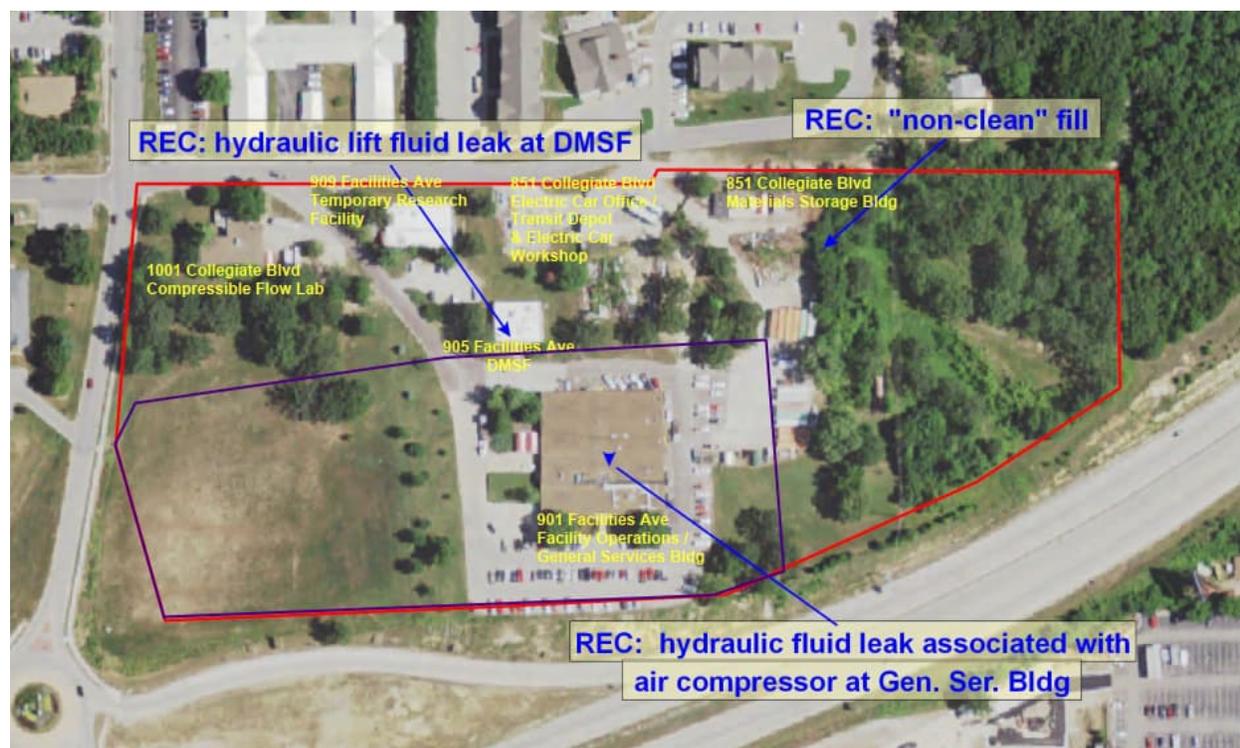


Figure 6 – Location of RECs Noted in Phase I ESA

Red Boundary Area Reviewed for Phase I ESA
Purple Boundary Project Area

A Limited Site Investigation (LSI) of the area associated with the General Services Building was conducted on February 20, 2024. The LSI was conducted to assess the potential impacts associated with on-site soil and groundwater impacts that maybe present due to the presence of former underground storage tanks (UST) and air compressor.

USTs were not indicated within the Phase I ESA but through a MDNR tank database search conducted on November 3, 2023. Subsurface soil samples were collected from varying depths of 4 to 25 feet below ground surface (bgs). The soils were sampled for total petroleum hydrocarbons (TPH)- gasoline range organics (GRO), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAH), TPH-diesel range organic/oil range organics (DRO/ORO), and lead. A total of 16 soil borings were advanced, and two samples were collected from each boring, with the exception of one where only one was collected as a sample could not be obtained beyond four feet and one groundwater sample was collected (only one boring produced groundwater).

The results collected were reviewed against the MDNR Risk-Based Corrective Action (MRBCA) Default Target Levels (DTL). DTLs are the most conservative chemical and medium specific concentrations that allow unrestricted use of the property. Because DTLs are the most conservative value, site-specific exposure pathways development, the development of a conceptual site model, activity and use limitations, or the determination of groundwater is for domestic use is not required. One sample exceeded residential risk-based target levels (RBTL)

for benzo(a)pyrene, B8 at 0 to 3 feet bgs, but was below non-residential RBTL. Lead exceeded the DTL in all soil samples; however, the levels were less than residential and non-residential RBTL. The groundwater sample did not have constituents of concern present above the laboratory reporting limits (Terracon 2024). Based upon the results from the LSI, the soils can be reused on site.

PCB sampling was conducted within the DMSF and the General Services Building prior to demolition. PCBs were not detected in levels above laboratory reporting limits (see Appendix A) Based upon the sampling results, the PCBs were no longer considered a REC.

3.7.2 Environmental Consequences

Preferred Alternative

Under the Preferred Alternative, there would be a short- and long-term, adverse, direct, and minor impact as the construction and operation of the Protoplex would utilize landfill space. However, there is also the potential for a beneficial impact associated with the removal of soils that have elevated levels of contaminants that are below the DNR MRBCA DTL.

Elevated levels of benzo(a)pyrene were found within two soil samples collected during the LSI, and there is potential for petroleum impacted soils within the subsurface media throughout the site. To manage the potential interaction and assist in protecting human health and the environment with this contaminant as well as the contaminants associated with the RECs, a Media Management Plan (MMP) for the Proposed Action has been prepared. The MMP includes the following:

- A description of suspected contaminants at the Property
- Hazard recognition procedures
- Hazard response procedures
- A description of methods to be used to segregate impacted soil from unimpacted soil at the Property and to facilitate the proper disposition of impacted soils removed from the Property
- A description of the site safety responsibilities and contingency actions to be implemented, if necessary, at the Property
- A description of management practices for impacted groundwater or storm water that requires treatment or disposal

The MMP is provided in Appendix A.

Based upon the results conducted in association with the LSI, none of the soils on-site exceed non-residential standards. As the soils do not exceed these standards, the soils have the potential to be re-used. However, if excess soils are produced during redevelopment, the soils should be sampled at a frequency identified by the chosen disposal facility, typically at a rate of one sample

per 100 cubic yards; however, some landfills may require less frequency when presented with the laboratory analysis from samples already collected from the site.

During the demolition of the General Services Building, soils below and adjacent to the building were removed from the project area, and not re-used. The soils were not re-used as the soils were not needed within the area and a stockpile was not desired. Additionally, there is no record of the soils being stained or having an odor. The soils were sampled per landfill material acceptance procedures. Three samples were collected and analyzed prior to disposing of the soil. None of the analytes exceeded residential land use risk-based target levels as well as non-residential; allowing for disposal within the landfill. The soil samples were analyzed for flashpoint, pH, total VOCs, Toxicity Characteristic Leaching Procedure (TCLP) VOCs, TCLP semi-volatile organic compounds (SVOC), TCLP Resource Conservation and Recovery metals, and paint filter. TCLP assesses the potential for constituents to enter groundwater and paint filter tests analyzed solid samples for the presence of free liquids. The results were provided to the landfill and the soils were disposed of as anticipated. All of the samples passed the paint filter test and all three samples had analytes that were at detected at lowest detection rate reported by analytical tests. The analytes that were detected included barium, naphthalene, n-Butylbenzene, and sec-butylbenzene in Sample 1; barium and acetone in Sample 2; and barium, 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, ethylbenzene, isopropylbenzene, naphthalene, n-butylbenzene, n-propylbenzene, and sec-butylbenzene in Sample 3. The results of the analysis of the soil samples are made available in the Media Management Plan.

Prior to construction activities commencing, construction contractors will be informed about the residual concentrations of benzo(a)pyrene and the potential for other petroleum impacted soils. The information presented within the Media Management Plan will be made available. If the soils are re-used on site, the contractors will be requested to document the location in which the soils were re-used. To reduce the potential for construction or operational activities to interact with impacted media the following measures, as documented within the Media Management Plan, should be followed:

- During routine operations involving soils at the property, contractor and site workers should use normal construction safety apparel required by their respective contractor's safety program, augmented with gloves and rubberized safety footwear or safety footwear with disposable latex covers to reduce soil contact during any work in vicinity of documented impact located on the east-central portions of the property noted in Exhibit 7.
- Dust control measures should be employed throughout the Property to achieve no visible emissions.
- Remove and stockpile soils by a last-out, first-in process. For example, during excavation, soils in the upper three feet should be stockpiled to one side. These soils should be the last returned to the excavation during backfill.

- To the extent practical, measures should be taken to minimize the volume of excess soils, to limit the need for dewatering activities, and to prevent contact between stormwater and impacted soils.
- Excavations should be backfilled promptly to minimize exposure.

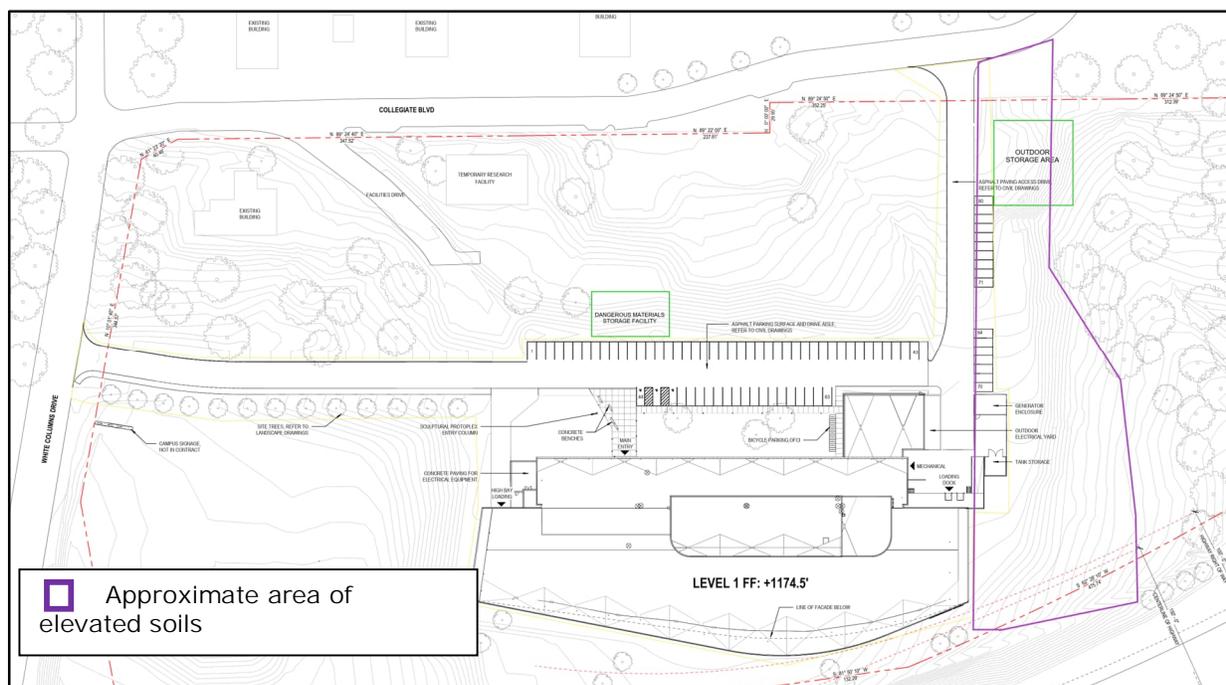


Figure 7 – Approximate Area of Elevated Soils

If groundwater or stormwater entering an excavation appears to be impacted (odor, color, located in an area identified as a REC) and requires removal to facilitate construction, the water should first be sampled for the contaminants of concern at the site (petroleum related contaminants) and for appropriateness for disposal to the local publicly owned treatment works. Removal of these soils would be a long-term, minor, and beneficial impact.

Under the Preferred Alternative, the RECs associated with the DMSF and Outdoor Storage Area/Boneyard will not be impacted as the buildings and areas will not be used/demolished for the Protoplex. Soil samples were collected at the DMSF and the soils did not have elevated levels of PCBs.

Solid waste will be generated during the construction of the Protoplex. The solid waste generated may include concrete, rebar, concrete, asphalt, insulation, electrical wire, plumbing material, glass, tile, gypsum board, scrap wire, steel, sheet rock, and packing materials. Some construction activities have the potential to create hazardous wastes, and some construction materials (fuel, oil, lubricants, paints, etc.) may consist of hazardous substances. The construction contractor would be required to implement proper practices to minimize or prevent the release of hazardous substances into the environment during construction activities. Hazardous materials that may be

encountered during construction would be managed and disposed of in compliance with federal, state, and local hazardous materials management guidelines. It is anticipated that all construction waste will be transported and disposed of at a construction and demolition landfill where items can be recycled, therefore no impact to the Municipal Solid Waste Landfill (MSWLF) is anticipated during construction activities.

Upon construction, it is assumed that the number of staff and students working / using the Protoplex are currently with Missouri S&T; therefore office related waste generated by the employees would remain consistent with the other facilities within the campus. Waste associated with research would be disposed of in accordance with the Missouri S&T Waste Program. Materials that can be recycled or composted, such as paper, plastic bags, glass food jars, or food waste will be separated and transported to the appropriate location. Due to the limited quantities of waste generated and the capacity of the landfill which will be available during and after construction and operation of the Protoplex, no significant impact to waste management and pollution prevention is anticipated.

No Action Alternative

Under the No Action Alternative, no additional waste would be generated as a facility would not be constructed creating construction waste or waste generated by those at the facility. No impact is anticipated.

3.7.3 Mitigation / Management Measures

A Material Management Plan will be implemented during construction to mitigate the potential interaction between the contractors and impacted medial. Two RECs identified in the Phase 1 ESA, the DMSF and the Non-Clean Storage Area, are outside of the limit of disturbance for this project. Implementing BMPs associated with recycling of construction and operational wastes as well as composting food wastes will limit the impact to MSWLFs.

3.8 Noise

3.8.1 Affected Environment

The Noise Control Act of 1972 (Public Law 92-574) and Quiet Communities Act of 1978 directs federal agencies to comply with applicable federal, state, interstate, and local noise control regulations. USEPA and the U.S. Department of Housing and Urban Development have identified noise levels to protect public health and welfare with an adequate margin of safety. These levels are considered acceptable guidelines for assessing noise conditions in an environmental setting. Noise levels below 65 A-weighted decibels (dBA) are considered to be acceptable in suitable living environments. Under the Rolla Noise Ordinance (30-19) "The creating of any unreasonably loud, disturbing and unnecessary noise within the city is hereby prohibited. Noise of such character, intensity or duration as to be detrimental to the life or health of any individual or in disturbance of the public peace and welfare is prohibited."

The existing noise environment at proposed location for the Protoplex is an institutional setting as the area continues to be used for material storage facilities and was previously used for operations and research. Current noise generating activities at the area includes traffic from staff as well as roadway noise from Interstate 44. Utilizing the National Transportation Noise Map, developed and maintained by the United States Department of Transportation, the noise levels associated with traffic range from 59.9 to 45.0.

3.8.2 Environmental Consequences

Preferred Alternative

Under the Preferred Alternative, there would be a short-term, adverse, direct, and minor impact. Potential sensitive noise receptors include the multifamily housing properties located to the north and west, as well as the fraternity buildings to the west.

Noise associated with the operation of machinery on construction sites is typically short-term, intermittent, and highly localized. Noise associated with the operation of the construction equipment would be limited to the construction period, approximately 12 months. Based upon Table 3, the average noise level would be estimated at 90 dBA, with a baseline level at less than 65 dBA. Based on the Inverse Square Law of Noise Propagation noise levels would be reduced by 6 dB as the source distance is doubled (e.g., at 50 feet -6 dBA, 100 feet -12 dBA, at 200 feet -18 dBA, at 400 feet -24 dBA, and at 800 feet -30 dBA). The closest sensitive noise receptors are the multifamily housing complex located approximately 360 feet to the north, adjacent to the northern side of Collegiate Boulevard. Based upon Table 4, the exterior noise level would decrease to an approximate average of 67 dBA at 400 feet which is considered to be acceptable under the Rolla Noise Ordinance as this would not be unreasonably loud. The construction noise is anticipated to significantly impact the sensitive receptors within the area; however, mitigation measures can be implemented decreasing the impact further.

Table 4 Noise Levels Associated with Typical Construction Equipment

| Equipment | Noise Level (dB) | | | | | |
|----------------------------------|------------------|---------|----------|----------|----------|----------|
| | At Site | 50 feet | 100 feet | 200 feet | 400 feet | 800 feet |
| Average Construction Site | 91 | 85 | 79 | 73 | 67 | 61 |
| Auger Drill Rig | 91 | 85 | 76 | 70 | 64 | 58 |
| Backhoe | 86 | 80 | 74 | 68 | 62 | 56 |
| Chain Saw | 91 | 85 | 79 | 73 | 67 | 61 |
| Compressor (Air) | 86 | 80 | 74 | 68 | 62 | 56 |
| Crane | 91 | 85 | 79 | 73 | 67 | 61 |
| Dozer | 91 | 85 | 79 | 73 | 67 | 61 |
| Dump Truck | 90 | 84 | 78 | 76 | 70 | 64 |
| Grader | 91 | 85 | 79 | 73 | 67 | 61 |
| Rock Drill | 91 | 85 | 79 | 73 | 67 | 61 |

Source: USDOT 2009

It is assumed that with the construction of the Protoplex, the facility would act as a noise barrier for roadway noise associated with Interstate 44, reducing the long-term noise associated with traffic along the corridor.

Upon completion of construction, additional noise associated with increased traffic levels is anticipated during the operation of the Protoplex. The increase is anticipated to be minimal as the area was already utilized by staff of Missouri S&T and the number of staff assigned to the facility would either be the same or slightly increased. The Protoplex would utilize an emergency generator; however, it would be enclosed reducing noise leaving the site.

To mitigate the short-term impact, site preparation and construction activities can be restricted to normal working hours of daytime hours (7 am to 7 pm in the summer months and 8 am to 6 pm during winter months). With the mitigation measures and the noise attention associated with the construction of the facilities (adjoining residences and businesses) and no-long term changes in operation causing additional noise sources, a significant impact associated with noise is not anticipated. To mitigate for the long-term, adverse, direct and minor impact associated with the generator, the weekly tests would be completed during the hours of 7 am and 7 pm and would be conducted within the shortest time possible. As the long-term impact will be short in duration and can be mitigated, no significant impact is anticipated.

No Action Alternative

Under the No Action Alternative, existing conditions would be maintained; therefore no additional noise generators would be constructed / utilized within the project area. No impact anticipated.

3.8.3 Mitigation / Management Measures

To minimize increases in noise levels during construction activities, all equipment would be fitted with noise reducing features (e.g., mufflers) and construction activities would be limited to daytime hours (7 am to 7 pm in the summer months and 8 am to 6 pm during winter months).

Noise levels from the emergency electric generator to be installed will be mitigated by enclosing the generator and limiting testing to daytime hours (7 am to 7 pm in the summer months and 8 am to 6 pm during winter months).

Occupational Safety and Health Administration guidelines will be mandated in regard to hearing protection for workers on site.

3.9 Environmental Justice

3.9.1 Affected Environment

According to CEQ environmental justice guidance (1997), low-income populations should be identified with the annual statistical poverty thresholds from the Bureau of the Census' Current Population Reports, Series P-60 on Income and Poverty. In identifying low-income populations,

agencies may consider as a community either a group of individuals living in geographic proximity to one another, or a set of individuals (such as migrant workers or Native Americans), where either type of group experiences common conditions of environmental exposure or effect.

The CEQ guidance identifies a minority as Individual(s) who are members of the following population groups: American Indian or Alaskan Natives; Asian or Pacific Islanders; Black, not of Hispanic origin; or Hispanic. Minority populations should be identified where either the minority population of the affected area exceeds 50 percent, or the minority population percentage of the affected area is meaningfully greater than the minority population percentage in the general population or other appropriate unit of geographic analysis (1997). In identifying minority communities, agencies may consider as a community either a group of individuals living in geographic proximity to one another, or a geographically dispersed/transient set of individuals (such as migrant workers or Native American), where either type of group experiences common conditions of environmental exposure or effect. The selection of the appropriate unit of geographic analysis may be a governing body's jurisdiction, a neighborhood, census tract, or other similar unit that is to be chosen so as to not artificially dilute or inflate the affected minority population. A minority population also exists if there is more than one minority group present and the minority percentage, as calculated by aggregating all minority persons, meets one of the above-stated thresholds.

EO 12898 requires federal agencies to identify and address disproportionately high and adverse human health or environmental effects of its programs, policies, and activities on minority populations and low-income populations.

On April 21, 2023, EO 14096, Revitalizing Our Nation's Commitment to Environmental Justice Overall, was signed, supplementing EO 12898. The EO establishes a more robust framework with milestones for implementing environmental justice across federal agencies. The EO expands the protected categories to include Indigenous populations and individuals with disability, and it includes affordable housing as an element of achieving environmental justice. Under this EO, environmental justice' is defined as "just treatment and meaningful involvement of all people, regardless of income, race, color, national origin, Tribal affiliation, or disability so that people:

- (i) are fully protected from disproportionate and adverse human health and environmental effects (including risks) and hazards, including those related to climate change, the cumulative impacts of environmental and other burdens, and the legacy of racism or other structural or systemic barriers; and
- (ii) have equitable access to a healthy, sustainable, and resilient environment in which to live, play, work, learn, grow, worship, and engage in cultural and subsistence practices."

The area in which the Protoplex would be constructed is owned by Missouri S&T reviewing information on this parcel and immediately surrounding areas would not accurately reflect those who could be impacted by a project or activities conducted on the campus. To accurately analyze

the community that would be impacted, US Census Block Groups that bound the project site have been reviewed. These Block Groups include 291618904014 and 291618904012.

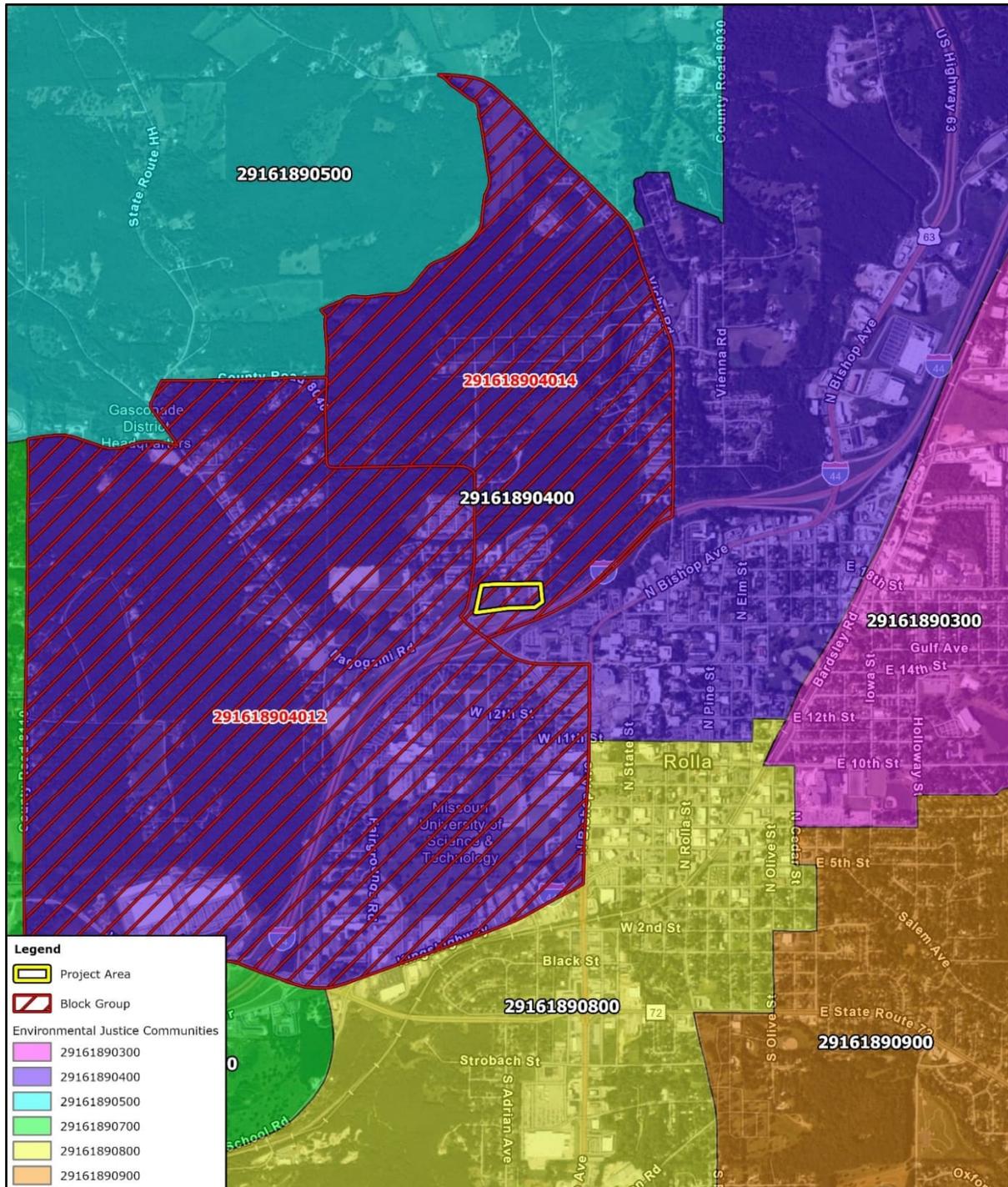


Figure 8 – Area Within Block Group

There are a total of 2,254 individuals residing within the two block groups. Of the 2,254 approximately 14.5 percent identify themselves as a minority and 76.5 percent low-income. The state average of those who identify as a minority is 23 percent and the state average of those who are designated as low-income are 33 percent. There are no tribal communities or those that identify as American Indian. An environmental justice community is present (USEPA 2024d). Beyond the socio-economic metrics, the population within the Block Group does not exceed the designated percentiles for energy, health, legacy pollution, transportation, utilities, and workforce development as identified by the Climate and Economic Justice Screening Tool developed by the CEQ. The block groups do have a higher percentage of individuals that earn less than 80% of the area median family income and are spending more than 30% of income on housing (CEQ 2024).

EO 13166 requires agencies to examine the services they provide, identify need for services to those with limited English proficiency (LEP), and develop and implement a system to provide those services so that LEP persons can have meaningful access to them. The proposed project area is located in an area in which approximately none of the residents speak English less than very well. The area in which the project resides is considered a disadvantaged community.

3.9.2 Environmental Consequences

Preferred Alternative

EOs 12898 and 14096, requires Federal agencies to determine if an action would have the potential to lead to a disproportionately high and adverse impact to disadvantaged communities. Disadvantaged communities can include urban and rural areas and areas within the boundaries of Tribal Nations and United States Territories. Such communities are found in geographic locations that have a significant proportion of people who have low incomes or are otherwise adversely affected by persistent poverty or inequality.

The population that resides within the two block groups that would be impacted by the Preferred Alternative is a disadvantaged community. All impacts, with the exception of aesthetics, air, and noise resources are bound to the property boundary. All of the resources have less than significant impacts. Short-term impact for noise would extend beyond the boundary of the site due to the construction equipment. The noise generated would occur during daylight hours and attenuate over distance. During emergency conditions and maintenance activities, the generator would be in use; however with the generator stored within an enclosure and on the far east side furthest from sensitive noise receptors, the impact is less than significant. Under the Preferred Alternative, the long-term impact to the community would be aesthetic; however, as the Protoplex would be constructed on property that previously had facilities, the aesthetics would not be completely out of character. Additionally, 15 trees would be planted along the northern façade of the facility, reducing impacts. The long-term impacts would be minor and adverse, but not significant.

The Preferred Alternative could have a minor, short-term, temporary positive impact on the local economy as a result of construction activities via incidental spending by construction workers and

the purchase of locally available construction materials. Temporary jobs would be created for construction workers during construction activities.

No Action Alternative

The Proposed Action is located within an area where an environmental justice or disadvantaged population is present. Under the No Action Alternative, the Proposed Action would not be implemented therefore, no construction-noise, additional air pollution or modification of aesthetics would be present. No impact to the population is anticipated

3.9.3 Mitigation / Management Measures

No additional Mitigation Measures are anticipated to be required beyond those discussed above to mitigate noise and air pollution. The anticipated impacts to the environmental justice community are not considered significant.

3.10 Climate Change

3.10.1 Affected Environment

Climate change refers to any significant changes in average climatic conditions (such as mean temperature, precipitation, or wind) or variability (such as seasonality, storm frequency, etc.) lasting for an extended period (decades or longer). Reports by the U.S. Climate Change Science Program, the National Academy of Sciences, and the United Nations Intergovernmental Panel on Climate Change provide evidence that climate change is occurring and may accelerate in the coming decades (IPCC 2022). Strong evidence supports the idea that global climate change is driven by human activities worldwide, primarily the burning of fossil fuels and tropical deforestation. These activities release carbon dioxide and other heat-trapping gases, commonly called greenhouse gases (GHGs), into the atmosphere (IPCC 2022).

Two executive orders provide a regulatory framework for reviewing projects that have the potential to impact climate change and how to mitigate for those impacts. Under EO 13990, Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis, major federal actions must be reviewed for their potential impact to substantially GHG emissions or the impact of climate change on the action. Additionally, under EO 14008, Tackling the Climate Crisis at Home and Abroad, the federal agencies are to incorporate / increase the resilience of their facilities and operations, programs, assets, and mission responsibilities operations against the impacts of climate change.

NIST is working under the interim guidance provided by CEQ on January 2023 as to how to consider GHG emissions and climate change. The guidance states that agencies should quantify reasonably foreseeable direct and indirect gross and net GHG emissions increases or reductions, both for individual pollutants and aggregated in terms of carbon dioxide equivalence.

From 2000 to 2023, the Rolla average temperature ranges from 32.2 to 79.0 degrees Fahrenheit (F), with temperatures above 70 F in June, July, August, and September (NOAA 2024). Global average temperature has increased approximately 1.8 degrees F from 1901 to 2016, (USEPA

2023e). Missouri has statewide annual average temperature increase of 1.1 degrees F in the past 100 years (University of Missouri 2021). The EPA estimates that by 2030 the average annual temperature will increase by 2.1 to 3.0 degrees F by 2035 (EPA 2024e).

Over the 50 years, average annual precipitation in most of the Midwest has increased by 5 to 10 percent. However, rainfall during the four wettest days of the year has increased about 35 percent, and the amount of water flowing in most streams during the worst flood of the year has increased by more than 20 percent (USEPA 2016).

3.10.2 Environmental Consequences

Preferred Alternative

Under the Preferred Alternative, there would be a short-term, adverse, direct, and minor impact. Activities associated with the construction of the Protoplex may cause a temporary increase in local GHGs. Combustion emissions from construction equipment exhaust, including NO_x were estimated using a model based upon EPA AP-42, Emissions Factors. Utilizing the model, it was estimated that the Proposed Action would emit 51.34 tons of NO_x and 22.55 tons of CO₂ during the construction of the facility. This increase in GHG emissions is anticipated to be short-term and below quantities that would have an impact to climate change.

Upon completion of the Proposed Action, the Protoplex would utilize a geothermal system for heating and cooling, negating the need for new point sources (such as a boiler). Additionally, the facility would be constructed using energy efficient windows and doors along with along with LED lighting, reducing the demand of electricity.

Additionally, the facility is not located within or adjacent to a floodplain; limiting the potential to be impacted during increased flooding events.

No Action Alternative

Under the No Action Alternative, no additional contributors to climate change and GHGs are anticipated because no activities would occur. No impact is anticipated.

3.10.3 Mitigation / Management Measures

Implementing BMPs associated with reducing the air emissions of vehicles and equipment during the construction phase of the proposed action, such as properly maintaining engines and limiting idle time will minimize GHG emissions.

Utilizing a geothermal system for heating and cooling will significantly reduce the GHG emissions related to the operation of the new Protoplex facility.

4.0 CUMULATIVE IMPACTS

Cumulative impacts are defined by the CEQ in 40 CFR 1508.1(g)(3) as “effects on the environment that result from the incremental effects of the action when added to the effects of other past, present, and reasonably foreseeable actions regardless of what agency (Federal or non-Federal) or person undertakes such other actions. Cumulative effects can result from individually minor but collectively significant actions taking place over a period of time.” Evaluations of cumulative impacts include consideration of the Proposed Action with past and present actions, as well as reasonably foreseeable future actions.

The intent of the cumulative-effects analysis is to determine the magnitude and significance of cumulative effects, both beneficial and adverse, and to determine the contribution of the proposed action to those aggregate effects.

Past Actions – Actions that may contribute to cumulative impacts in one or more of the analyzed resource topic areas include: previous clearing of land for campus development, construction of roadways, construction of residential properties, utility lines, and other infrastructure.

Present Actions – Actions that may contribute to cumulative impacts in one or more of the analyzed resource topic areas include: traffic on nearby roadways and any activities associated with adjacent public or private properties, population growth, and noise. These actions are continual and are included within the baseline conditions.

Foreseeable – Upon completion of the Protoplex, additional activities adjacent to the area would occur by 2025. These activities include installation and completion of the geothermal wells and the demolition of the compressible flow lab and DMSF. These buildings are outside of the area of disturbance for the Protoplex. The construction of the facilities is not anticipated to affect sensitive or critical resources, lead to a wide range of effects, induce population growth, lead to further development, or require expansion of infrastructure as the infrastructure is present and previously disturbed. The construction activities have the potential to increase noise levels within the immediate vicinity of the construction areas; however, these increases will be short-term. During the operation of the facilities, it is assumed that the noise level will be consistent with the noise level upon completion of the Protoplex as the area is already utilized by Missouri S&T. Traffic leading to the area along Collegiate Boulevard and White Columns Drive will increase, potentially requiring coordination with the City of Rolla to ensure that the impacts to those residing along White Columns Drive are less than significant.

Impacts from implementation of the Proposed Action is expected to be negligible on a cumulative basis, except for the minor localized effects on air quality and noise and aesthetics during construction.

Table 5 Cumulative Effects of Past, Present/Proposed, and Future Action

| Resource | Past Actions | Present/Proposed Actions | Foreseeable Actions | Cumulative Effect |
|--|--|--|--|--|
| Air Quality | None identified | Localized decrease in air quality due to construction activities conducted as part of the Proposed Action | Localized decrease in air quality due to construction activities conducted to the north | Brief localized decrease in air quality during construction activities |
| Water Resources | None identified | None anticipated | None anticipated | Significant long-term cumulative impacts not anticipated |
| Aesthetics | None identified | Construction of a facility within a previously disturbed area which housed a facility utilized by Missouri S&T | Construction of facilities within a previously disturbed area which houses facilities utilized by Missouri S&T | The area is anticipated to continue to visually change to include newer facilities; however, significant negative aesthetic impacts to visually sensitive areas and/or landscape features are not anticipated. |
| Hazardous Materials, Waste Management and Pollution Prevention | Area previously housed older equipment allowing for the potential releases of hazardous materials. Removal of the facility removed the potential for releases. | During construction the generation of waste will be present; however, landfill capacity is available. | During construction the generation of waste will be present; however, landfill capacity is available. | Brief increase in waste generation associated with construction debris |
| Noise | None identified | Brief localized increase in noise due to onsite heavy equipment | Brief localized increase in noise due to onsite heavy equipment | Brief localized short-term increase in noise during construction; however long-term impact is not anticipated as the area has previously been in use by Missouri S&T |

| | | | | |
|-----------------------|-----------------|--|--|---|
| Environmental Justice | None identified | Local job creation during construction activities | Future local job creation during construction activities and potential increase in employment associated with operation activities of the facilities | Brief and long-term localized beneficial impact associated with job creation. |
| Climate Change | None identified | Localized increase in air emissions associated with construction activities. | Localized increase in air emissions associated with construction activities. | Brief increase in air emissions associated with construction activities. |

This Proposed Action would not affect sensitive or critical resources, lead to a wide range of effects, induce population growth, lead to further development, or require expansion of infrastructure. The foreseeable project has the potential to increase the socioeconomic stability of the area due to increased employment, a beneficial impact.

5.0 COORDINATION, CONSULTATION, AND CORRESPONDANCE

A Request for Consultation to prepare this EA was provided to the agencies listed in Table 6.

Table 6 Agencies and Governments Consulted

| Agency/Tribe | Letter Date | Response Date | Response |
|------------------------------------|-------------|---------------|---|
| Federal | | | |
| USFWS | 5/21/2024 | 5/21/2024 | “The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.)” |
| Federally Recognized Tribes | | | |
| Osage Nation | 4/29/2024 | 5/3/2024 | Osage Nation requested two items. A kmz of the project boundary, shovel test areas, on and offsite work areas; and maps associated with NHPA. Items were provided to the Osage Nation on May 16, 2024. A response to the information provided was not received by the time in which this document was submitted for public comment (July 8, 2024). |
| Caddo Nation of Oklahoma | 4/29/2024 | N/A | A response was not received at the time in which this document was submitted for public comment (July 8, 2024). |
| Cherokee Nation | 4/29/2024 | | A response was not received at the time in which this document was submitted for public comment (July 8, 2024). |
| Eastern Shawnee Tribe of Oklahoma | 4/29/2024 | | A response was not received at the time in which this document was submitted for public comment (July 8, 2024). |
| Ponca Tribe of Nebraska | 4/29/2024 | | A response was not received at the time in which this document |

| Agency/Tribe | Letter Date | Response Date | Response |
|---|-------------|---------------|---|
| | | | was submitted for public comment (July 8, 2024). |
| United Keetoowah Band of Cherokee Indians in Oklahoma | 4/29/2024 | | A response was not received at the time in which this document was submitted for public comment (July 8, 2024) |
| State | | | |
| SHPO | 4/10/2024 | 4/10/2024 | "Adequate documentation has been provided as outlined in 36 CFR Section 800.11. After review of the initial submission, the project area has no known historic properties present and a low potential for the occurrence of cultural resources. SHPO concurs with your determination of No Historic Properties Affected." |

6.0 LIST OF PREPARERS

Table 6 lists preparers of this environmental assessment.

Table 7 Preparers of the Environmental Assessment

| Name | Agency/Organization | Resource Area |
|----------------------------|----------------------------|---------------------------|
| Jennifer Trombley Peters | Terracon | Resource Lead |
| Aric Larson | Terracon | Approved Project Reviewer |
| Cori Hertfelder, M.S., RPA | Terracon | Subject Mater Expert |
| Nicole Marshall | Terracon | GIS Support |
| Nicolle Martinez | Terracon | Administrate Assistant |
| Amelia Trout | Missouri University S&T | Project Manager |

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Appendix A Resource Documentation

Cultural Resources

MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY

PHASE I CULTURAL RESOURCES REPORT

PROTOPLEX PROJECT
PHELPS COUNTY, MISSOURI
PROJECT NO. 163588

APRIL 10, 2024

Phase I Cultural Resources Report

prepared for

**Missouri University Science and Technology
1001 Collegiate Boulevard
Rolla, MO 65401**

Project No. 163588

4/10/2024

**Principal Investigator
Douglas Shaver**

**Report Author
Douglas Shaver**

**Burns & McDonnell Engineering Company, Inc.
9400 Ward Parkway Drive
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Abstract

Missouri University of Science and Technology (Mo S&T) contracted Burns & McDonnell Engineering Company, Inc. (Burns & McDonnell) to perform a cultural resources background review and Phase I archaeological resources survey for the proposed Missouri Protoplex Project (Project) located in Phelps County, Missouri. The following report provides information regarding the Project and includes the methods and results of the background review and archaeological resources survey.

The proposed Project will serve as the anchor building of a manufacturing technology research, innovation, and development campus north of Interstate 44 in Rolla, Missouri. Funding for the Project will be provided through a commitment from the Kummer Institute for Student Success, Research and Economic Development, state funding, as well as the National Institute of Standards and Technology (NIST). NIST will serve as the lead Federal agency for the Project. Under Section 106 of the National Historic Preservation Act (NHPA), 16 United States Code 470, the permitting process requires consultation regarding potential impacts of the Project on cultural resources. The Burns & McDonnell study is designed to collect information on cultural resources that could be affected by the Project in support of the Section 106 consultation process.

No cultural resources were identified within the Project's 13-acre Area of Direct Effects (APE) during the background review. A Phase I archaeological resources survey, with systematic shovel testing, was conducted on October 10, 2023, and March 27, 2024. A total of 16 shovel tests were excavated. No archaeological materials, features, or sites were identified.

Burns & McDonnell recommends the Project proceed as planned. If cultural resources are identified during demolition or construction, work should cease in the vicinity, and Mo S&T should contact a professional archaeologist to assess the find.

The investigations documented in this report comply with Section 106 of the NHPA of 1966, as amended, and its implementing regulation in 36 CFR 800. These investigations also follow the *Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Preservation* (48 FR 44716-44742), the *Secretary's Standard for Identification* (48 FR 44720-44723), the Missouri State Historic Preservation Office (SHPO) *Guidelines for Phase I Archaeological Surveys and Reports* and guidelines set forth in Osage Nation Historic Preservation Office's (ONHPO) 2023 *Archaeological Survey Standards*.

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List of abbreviations

| <u>Abbreviation</u> | <u>Term/Phrase/Name</u> |
|----------------------------|--|
| APE | Area of Potential Impact |
| B.P. | Before Present |
| Burns & McDonnell | Burns & McDonnell Engineering Company, Inc. |
| ca. | circa |
| C.E. | Common Era |
| cm | centimeter(s) |
| GLO | General Land Office |
| GPS | Global Positioning System |
| GSV | Ground Surface Visibility |
| m | meter(s) |
| Mo S&T | Missouri University of Science and Technology |
| NHPA | National Historic Preservation Act |
| NIST | National Institute of Standards and Technology |
| NRHP | National Register of Historic Places |
| ONHPO | Osage Nation Historic Preservation Office |
| Project | Missouri Protoplex |
| SHPO | State Historic Preservation Office |
| SOI | Secretary of the Interior |
| Study Area | Project plus 1-Mile Buffer |
| USGS | U. S. Geological Survey |

Introduction

Project Description

Missouri University of Science and Technology (Mo S&T) intends to strengthen the state's advanced manufacturing sector by creating a space for student innovation and experimentation. To accomplish this Missouri S&T has initiated Phase I of the Missouri Protoplex Project (Project), an advanced manufacturing research and development facility that will serve as the anchor building for the Missouri S&T's planned manufacturing technology and innovation campus north of Interstate 44 in Rolla, Missouri (Appendix A: Figure 1 and 2).

Project History and Personnel

Burns & McDonnell archaeologists conducted a cultural resources background review prior to the commencement of fieldwork. The archaeological resources survey was conducted on October 10, 2023, and March 27, 2024, by Secretary of the Interior (SOI)-qualified Principal Investigator Douglas Shaver and archaeologist Erin Verstraete. Kim House produced the report map figures.

Environmental Setting

The landscape surrounding the Project encompasses a variety of environments with diverse resources. This chapter gives a brief overview of the environmental setting, including discussion of some critical resources used by the prehistoric and historic populations of the area.

Physiography and Bedrock Geology

The Project is within the Salem plateau of the Ozark Highland physiographic region, a sub-province of the Ozark Plateaus Province (Fenneman 1931, 1946; Thornbury 1965). The Ozark Plateaus Province includes three plateaus (Salem, Springfield, and Boston Mountains), a domal uplift, and the Shawneetown Ridge (Ray 2007). The Shawneetown Ridge consists of a high-relief unglaciated portion of southern Illinois, also known as the Illinois Ozarks (Ray 2007). The St. Francois Mountains in southeast Missouri represent the domal apex. The plateaus dip gently away from the dome. Drainages deeply incise the upland plateaus creating steep slopes and narrow canyons, and valleys of larger streams contain gently sloping terrace sequences (Guccione and Guendling 1990; Saucier 1980). Ordovician carbonate strata underlie the Salem Plateau, and the Springfield Plateau is underlain by Mississippian carbonate strata.

Drainage

The Project is located near the dividing line that separated the Missouri River watershed, via the Little Piney and the Gasconade Rivers, from the smaller Meramec watershed, via the Bourbeuse River.

Soils

Based on the county soil survey data, the APE consists of Viraton-Wilderness complex and Useful-Gatewood complex soils. Viraton-Wilderness complex consists of loess of pedisidiment over residuum weathered from dolomite moderately well drained soils on hillslopes. Typical profile for Viration-Wilderness complex is an A to E horizon consisting of silt loam to 7 inches, over a Bt1 gravelly silty clay loam to 23 inches on top of a 2Btx horizon of extremely gravelly silt loam to 48 inches. Useful-Gatewood complex consists of loess over residuum weathered from dolomite over dolomite. The typical profile for Useful-Gatewood complex consists of a silt loam Ap over a Bt1 horizon of silty clay to 31 inches., over a 2Bt2 of silty clay on top of bedrock at 45 inches (Soil Survey Geographic Survey (SSURGO) 2023).

Table 1: Soils in the ProtoPlex Project Area

| Soil and Symbol | Soil Association | Landform |
|------------------------------------|---|------------|
| Viraton-Wilderness complex (7qpjp) | Moderately well drained; 3 to 15 percent slopes | Hillslopes |
| Useful-Gatewood complex (m8t6) | Moderately well drained; 3 to 8 percent slopes | Ridges |

Vegetation

Oak-hickory and oak-hickory-pine forests are the primary potential natural vegetation and dominant land cover in the Salem Plateau. Prior to the nineteenth century, savanna or tall grass prairies were common and maintained by fire. Today, uplands contain mixed deciduous forest (containing black oak, white oak, blackjack oak, post oak, and hickories) with some mixed deciduous shortleaf pine forest. Willows, maples, hickories, birch, American elm, and American sycamore occur on narrow floodplains and low terraces. Agriculture or expanding residential areas have replaced most of the forest and almost the entire prairie. Poultry, cattle, and hog farming are primary land uses, while hayfields and pastures are common (Woods et al. 2004).

Cultural History

This chapter provides an overview of cultural history of the Ozarks region in central and southern Missouri.

Cultural History Summary

In Missouri, the State has been divided into six archaeological regions, and the Project area is found within the Ozark Highland region of central Missouri (Chapman 1980). The following discussion is a general overview of the Project's cultural history with some distinct characterizations of the archaeology and history of the region.

Archaeologists generally divide the prehistoric cultural sequence of the Midwest into two pre-ceramic stages and two ceramic stages. The stages of cultural development in the Midwest are defined by changes in technology, settlement, and subsistence. The Paleoindian period has been designated as the earliest pre-ceramic stage and dates from circa (ca.) 11,500 to 9500 BP, although there is significant evidence of a human occupation in North America prior to 12,000 years ago. Following the Paleoindian is the Archaic, which dates from approximately 9500 to 2500 BP. The ceramic stages include the Woodland stage, dating from 2500 to 1100 BP, and the Mississippian stage, dating from C.E. 1100 to the period of contact between European explorers and local native groups (O'Brien and Wood 1998).

Following the prehistoric stage in the Midwest is the historic stage, defined as the beginning of written accounts and often marked by the identification of European trade items in site assemblages. The following summary briefly traces the region's cultural development from the Paleoindian period through the recent past and is intended to provide a context within which to evaluate the significance of documented archaeological resources within the Project area.

Paleoindian

The Paleoindian stage is best defined by the presence of extinct megafaunal remains in ecofact assemblages of archaeological sites found in North America. This stage, dating from approximately 11,500 to 9500 Before Present (BP) is generally thought of as a period dominated by highly mobile hunting and gathering bands living a nomadic lifestyle and exploiting, by choice, a limited number of resources. However, many archaeologists have reconsidered the mobility scenario, suggesting that base camps were established and that small groups fanned out over the landscape to harvest or obtain local resources.

Though poorly defined throughout the vicinity of the Project area and the State in general (Environmental Research Center of Missouri 1999), sites assigned to the Paleoindian period are best known by the presence of particular styles of projectile points, with the most recognized being the fluted varieties. The Paleoindian projectile points recovered in Missouri include fluted varieties and lanceolate varieties. The lanceolate varieties are usually associated with later Paleoindian occupations. Other Paleoindian tools include spurred end scrapers, side scrapers, drills, burins, flake knives, graters, perforators, bone points, foreshafts, shaft straighteners, and atlatls (Baker and Kidder 1937; Blackmar and Hofman 2006; Frison

and Zeimens 1980; Harrington 1971; Hofman and Graham 1998; Lahren and Bonnicksen 1974; Wormington 1957).

The minimal representation of Paleoindian peoples in the archaeological record may be due to their form of subsistence, which produced few material remains, and/or to climactic and geomorphological changes that “may have resulted in deeply buried and eroded sites,” making evidence of Paleo-Indian occupation “difficult to recover” (Environmental Research Center of Missouri 1999; Angelbeck et al. 1996). The Paleoindian period spans the Pleistocene-Holocene transition. This was a period of major environmental change in North America (Mandel 2006). Glacial conditions that had greatly influenced climate were subsiding, resulting in increased seasonality and insulation during the summers (Kutzbach and Webb 1993). This transition period reflected a general warming trend that followed the last glacial maximum with episodic cooling (e.g. the Younger Dryas). It is likely that these climatic and environmental changes contributed to the way humans interacted with their surroundings. Differing behaviors and activities during that time may have contributed to the variability of the archaeological record.

Archaic

The Archaic period roughly coincides with the beginning of the Holocene Epoch and terminates around 2500 BP (O’Brien and Wood 1998). In comparison to the climate at the Pleistocene-Holocene transition, the early Holocene, at about 9500 BP, marks the onset of a warmer and drier climate. Researchers have alternately referred to this warm and dry period as the Altithermal (Antevs 1955), Hypsithermal (Deevey and Flint 1957), or Atlantic climate episode (Baerreis and Bryson 1965); in this report, this period is referred to as the Altithermal. This climatic period led to gradual changes in the environment and landscape. For example, the warming global climate accelerated the melting of polar ice caps and continental glaciers to the north, resulting in sea level rise. At the onset of the Archaic period, the sea level was 90 feet lower than it is today. By the end of the Archaic period, sea level had roughly stabilized and was close to sea levels of modern times (Bense 1994).

Early Archaic

The Early Archaic, 9500 to 7500 BP, in the Midwest is generally viewed as a continuation of the lifestyle traditions established during the end of the Paleolithic period. As the climate continued to shift, a broader range of ecological niches were exploited (Chapman 1975). Many of the same projectile point styles of previous stages continued to be used in the Early Archaic, but with the introduction of stemmed forms and corner-notched forms, Early Archaic tools became progressively more complex (Chapman 1975). The Early Archaic is not well-defined in the Project locality, as is the case for much of Missouri (Wood et al. 1995; O’Brien and Wood 1998).

Middle Archaic

The climate continued to shift throughout the Middle Archaic, 7500 to 5000 BP, resulting in continued changes in the vegetation. The climate became drier, causing forests to concentrate in the bottomlands and stream valleys while grasses spread across the uplands. As with most periods, many of the previous tool types or forms continued to be used in the Middle Archaic. New tool types used by the Middle Archaic peoples include ungrooved ground stone celts and full-grooved ground stone axes. Other stone artifacts such as

bannerstones and pendants represent new developments during this period. Bone tools were also important during the Middle Archaic, including antler projectile points, awls, fishhooks, and tortoise shell cups (Griffin 1967). The most diagnostic artifacts associated with the Middle Archaic period are the side-notched projectile points or knives (Chapman 1975).

Late Archaic

Population increased dramatically during the Late Archaic, 5000 to 2500 BP, in the southeast and Midwest. Most archaeologists attribute this population boom to the end of the Altithermal, which resulted in a milder climate (O'Brien and Wood 1998). This period, which is one of the better represented in the vicinity of the Project area, is marked by what Caldwell (1958) refers to as "primary forest efficiency." This is a reflection of the more intensive exploitation of local resources, including extensive use of shellfish in settings near streams or other water sources and nut collection and processing. Hickory nuts were the most prominent mast used during this period throughout much of Missouri. Deer hunting was also an important activity and food source. According to Reid (1983), "assemblages associated with the Late Archaic include the Sedalia Complex and Nebo Hill in the northwest region." Diagnostics from the period include "a variety of stemmed points such as Stone Square and Sedalia, basal notched Smith and Afton Corner Notched, digging implements such as Clear Fork gouge and Sedalia diggers, and three-quarter grooved axes" (Sturdevant 1991).

Many Late Archaic sites functioned as residential sites or specialized limited activity sites associated with procurement and processing of locally available resources. Many of the activity sites are found in upland settings and are defined by a low artifact density and few, if any, features (Hoard 1992; O'Brien and Wood 1998).

Woodland

The Woodland Period (2500 to 1100 BP) is typically characterized by increased sedentism (permanent residences), intensified horticultural activity, expanding regional exchange networks, and the elaboration of ceremonial activities and mortuary practices (Griffin 1967; O'Brien and Wood 1998). The origin of these trends can be traced to the Late Archaic, but the elaboration of cultural elements became the hallmark of the time. These developmental trends form the basis for distinguishing the Early, Middle, and Late Woodland sub-stages. Regional variations in the timing and extent to which these traditions were expressed, however, make this subdivision difficult to employ in certain areas. Unlike the Late Archaic settlement system, the Early Woodland occupations in the Midwest are typified by relatively small, short-duration camps situated adjacent to specific environmental locales. This pattern suggests that small social groups using seasonally occupied, specialized, extraction camps were exploiting resources within defined territories.

Early Woodland

The numbers of Early Woodland sites recorded in Missouri are considerably less than those dating to the preceding Late Archaic and the following Middle to Late Woodland periods. In Missouri, as in much of the Midwest, ceramic manufacture is generally associated with the development of the Early Woodland, though the timing of its appearance seems to vary spatially across the landscape. In fact, fiber-tempered pottery has been found at Late Archaic Nebo Hill sites (3000 to 1000 BP) in the greater Kansas City area (O'Brien and Wood 1998).

The Black Sand culture is the best known from this period. The group is defined by its distinctive pottery, as well as lithics such as contracting-stemmed dart points, triangular-stemmed knives, humpback scrapers, and nutting stones. In Missouri, sites of the Black Sand culture are found within the main valley of the Missouri River and its immediate tributaries, as well as throughout the northeastern corner of the State and extending into other large river valleys, including the Illinois, Mississippi, and Missouri (Roper et al. 1991).

Middle Woodland

In the Midwest, the Middle Woodland period is characterized by widespread acceptance of pottery and mound building with the appearance of more permanent villages. This period is also associated with the Hopewellian Interaction Sphere, which is marked by specific design motifs on pottery vessels, “elite” burial mounds, and the exchange of exotic materials (Caldwell and Hall 1964). The Hopewellian Interaction Sphere connected distant Middle Woodland groups by a highly developed socio-religious organization (Struever 1964). Large regional centers, which exhibit groups of conical shaped burial mounds, were the focal points for Hopewellian activities during this period.

The pottery from the Middle Woodland period is quite varied in decorative technique. The pottery may be plain (i.e., undecorated), incised, punctated, or stamped, and the decorations may occur in specific areas defined by incised lines (zoned) or may be restricted to the rim or lip (O’Brien and Wood 1998; Hoard 1992). As the period progressed, pottery styles evolved from dentate-stamped and punch-and-boss to incised cross-hatching and punctates to the undecorated ceramics characteristic of the Late Woodland period (Johnson 1979).

Late Woodland

The beginning of the Late Woodland period, traditionally identified as ca. 1600 BP, was marked by a reduction in interregional trade, a decrease in the complexity of ceremonial/mortuary practices, and a reduction in the elaborateness of ceramic decoration (O’Brien and Wood 1998). Subsistence was still based on hunting, gathering, and horticulture. Around 1250 to 1150 BP, corn, in addition to squash and beans, became important cultigens. Continuity with the preceding Middle Woodland period is reflected in a subsistence base that involved the use of terrestrial and riverine species, nuts, and cultivated plants. Settlements tended to be small, nucleated villages located in a variety of ecological zones (Conner 1985; O’Brien and Wood 1998). Base camps were now not only found in bluff-base and river bottomland locations, such as documented examples in the American Bottom and Illinois River valley, but also in the valleys of smaller streams and uplands.

Mississippian and Plains Village

The Mississippian period in Missouri is traditionally divided into Early Mississippian (C.E. 900 to 1200), Middle Mississippian (C.E. 1200 to 1400) and Late Mississippian (C.E. 1400 to 1541). However, these divisions are problematic because there is a great amount of variation in the archaeological record in Missouri during this period, more so than in earlier periods. In some parts of Missouri, many of the characteristics of Mississippian culture were adopted late or not at all. For example, for much of the Mississippian period, the material culture of the people living in the Ozark highlands was almost identical to that of Late Woodland times. As another example, in northwestern Missouri, “Mississippian” lifestyles were never adopted; for example, shell-tempered ceramics appear, but not until ca. C.E. 1150 and only at a few sites (O’Brien

and Wood 1998). During this period there is evidence that groups became more sedentary, and people relied more on horticulture, although hunting and gathering remained important subsistence activities.

Protohistoric

The Protohistoric period refers to the period between the entrance of the first European explorers into the North American interior and the beginning of extensive European colonization. When Hernando DeSoto entered the region in the 1540s, Mississippian period people lived in northwestern Arkansas. By the time of the next documented European excursion into the area by the French in the 1680s, the Osage lived in southern Missouri and possibly northwestern Arkansas. In the early 1800s, a group of the Big Osage settled on the Arkansas River.

Though little ethnographic information is available about the protohistoric occupants of the region, contact period sites dating to before European exploration of the area contain “a wide variety of European trade goods, especially glass beads, and native-made items fabricated from iron, copper, and brass trade objects” (O’Brien and Wood 1998). Most were received from trade with other Native American groups; however, there is evidence that the Spanish may have made contact with local groups via the Southwest (O’Brien and Wood 1998).

Historic Period

The historic period began around C.E. 1541 and includes European exploration and eventual colonization, early statehood, the Civil War, and post-Civil War development.

European Colonization

In 1673, Father Jacques Marquette and Louis Joliet initiated an expedition that reached the mouth of the Missouri River. The French were interested in the waterway as a potential route to California, but their expedition followed the Mississippi River downstream to Arkansas before returning to Canada (March 1967). In 1682, Robert Cavelier, who had heard Joliet’s reports, launched an expedition that followed the Mississippi River all the way to the Gulf. Upon his arrival there, he claimed all the areas drained by the river for the King of France. On his return voyage, La Salle established Fort St. Louis at Starved Rock on the Illinois River (March 1967).

During the same period, the Spanish attempted an expedition from the west. Though the expedition was unsuccessful, the attempt alarmed the French enough to authorize the construction of a fort on the Missouri River (March 1967). Subsequent inroads into the area during the French exploration period were generally made by fur traders and explorers who concentrated their expeditions along the major rivers. Trading posts were placed along these streams, often at the confluence of two rivers. Most of these early posts were situated near Indian villages to access the trading market, and the traders and trappers would return to homes in Illinois rather than establish permanent settlements in Missouri.

In the eighteenth century, France claimed the area as part of the Louisiana colony, which included what would become Missouri. In 1763, the Louisiana colony was ceded to Spain as part of the Treaty of Paris, which ended the Seven Years War (also known as the French and Indian War). In 1800, France reacquired Louisiana as a result of Napoleon’s invasion of Spain.

In 1803, the United States purchased Louisiana from France; present-day Missouri became a territory of the United States.

In 1812, the Territorial Act converted a portion of the Louisiana Territory into the Missouri Territory. At that time, the population of Missouri was approximately 21,000 (Foley 2000). In general, the early territorial period was characterized by conflict over earlier land claims issued by the French and Spanish governments. Early settlement in the Project vicinity was scarce, and primarily by French fur traders (Foley 2000).

Despite early impediments, the Euro-American population in Missouri continued to grow as frontier settlement in the Midwest gained momentum. Most immigrants from the United States to the Missouri territory tended to migrate roughly along lines of latitude “and to settle in areas where the topography, soils, and climate were similar to those in the places from which they migrated” (March 1967). As a result, during the early nineteenth century many of the initial settlers in Missouri Territory were from Virginia, North Carolina, and Maryland by way of Kentucky and Tennessee. Most were subsistence farmers, though slaveholders made the trek as well, and they tended to settle in areas similar to those they occupied back east. These areas were not always the most fertile, as pioneer farmers did not initially consider the prairie-covered plains of the Missouri Territory to be fit for settlement or cultivation.

Indian Territory and Removal

As Euro-American populations expanded west, conflicts with the inhabitants of those areas increased. A proposed solution to this “Indian Problem” was to establish a territory strictly for those removed and displaced populations. By 1825, this area had formal boundaries known as Indian Territory, which encompassed the present states of Oklahoma, Kansas, Nebraska, and part of Iowa (Everett n.d.). Numerous tribes were forced to move to this territory including the Creek, Seminole, Chickasaw, Cherokee, Choctaw, Kickapoo, Miami, Delaware, Shawnee, Cheyenne, Arapaho, Comanche, Kiowa, Osage, and Apache, just to name a few. The specific boundaries of the Territory were reduced to the current Oklahoma State boundaries by 1889 and reduced further to the approximate eastern half of the state by 1890 (Everett n.d.).

Indian Territory became more a term than a formal governing boundary. The United States government stepped up the movement to individualize the Indians through what would become known as allotment. Not only did special interest groups push for this to increase their access to the land, but pro-Indian individuals and organizations throughout the country thought it would be in the best interests of the Indians. The allotment essentially broke up the Cherokee Nation into homesteads, much like those of the Euro-Americans. The goal was to disintegrate tribal bonds by ending communal landholding, making each family responsible for themselves. Under the Dawes Act (8 February 1887), the head of each family was allotted 160 acres, and each single person over 18 received 80 acres. In addition, “a patent in fee would be issued to each allottee” (Johnston 2003), which would be held in trust by the United States government for 25 years.

Osage Removal

By compiling Osage oral history and archaeological data, historians have determined that the Osage originated in the Ohio River Valley as part of a group of Dhegiha Siouan language speaking people. The Dhegiha Siouan group was comprised of the Omaha, Ponca, Kaw, Quapaw, and the Osage tribes who originally inhabited an area in the Ohio River Valley just

West of the Appalachian Mountains in what is today known as Ohio, Kentucky, and West Virginia (Kansas Historical Society 2017). During the late woodland period, Current Era (C.E.) 200- C.E. 400, the Dhegiha group began traveling down the Ohio River Valley on the Ohio river until it met the Mississippi River where the larger group, including the Osage, continued traveling up the Mississippi River until they settled into an area that is now recognized as St. Louis during the Late Woodland period, C.E. 400- C.E. 500 (Kansas Historical Society 2017). The Dhegiha tribes remained in the St. Louis area until the onset of the Mississippian period, C.E. 1000, when smaller tribes started breaking off from the larger group until only the Osage tribe remained in the area. At the end of the Mississippian period, C.E. 1300, the Osage traveled further West on the Missouri River until they reached the Osage River where they started moving south along the river, eventually settled in what is now southwest and south-central Missouri (Hunter 2013). By the time the French first contacted the Osage in 1673 the Osage were reportedly located South of the Missouri River in the general area of the Osage River (Hunter 2013; Kansas Historical Society 2017).

Osage territory in Missouri started to drastically change after the Louisiana Purchase of 1803. The 1808 Treaty of Fort Clark, also termed the Treaty with the Osage, caused the Osage to cede around 200 miles of land to the United States in exchange for a trading post known as Fort Osage located in what is now known as Sibley Missouri (Lookingbill 2023; Elliott 1941). Fort Osage was later closed after the Osage signed the 1822 Treaty with the Osage. Along with an influx of Euro-Americans moving into Osage lands, more and more of the Eastern Native American groups were being forcefully moved westward, encroaching even more on Osage lands causing the Osage to eventually move more West themselves (Kansas Historical Society 2017). After 1820 many Osage moved from their homes in Missouri either into Oklahoma or the Neosho region in Kansas and by 1825 the Osage had mostly been driven out of Missouri (Kansas Historical Society 2017; Elliott 1941).

After the Osage were pushed out of Missouri, they settled in the western reaches of their territory in Oklahoma, Arkansas, and the Neosho River region of Kansas. The 1818 Treaty with the Osage caused the Osage to cede even more land in northwestern Arkansas and northeastern Oklahoma to the United States as reparation for aggression by the Osage against United States citizens (Kansas Historical Society 2017; Elliott 1941). With the Osage Treaty of 1825 the Osage moved onto a reservation designated by the United States that was eight million acres of land extending 50 miles West of the Neosho River in Kansas (Elliott 1941). That land was eventually intruded on by Kansas settlers and by 1839 the Osage were again pushed out until they only occupied a narrow strip of land in Southern Kansas. In 1870, the Osage ceded the last of their land in Kansas. By the end of the 1870s the Osage purchased the Osage Reservation in present day Oklahoma and settled there (Kansas Historical Society 2017).

Early Statehood Period

When applying for statehood, the Missouri Territory applied for admittance as a slave state, inducing “a national crisis over slavery” (Schmits 1991). Missouri was eventually established as a slave state, but the Missouri Compromise prohibited slaveholding in the remaining portions of the Louisiana Territory “north of 36 degrees and 30 minutes north latitude” (Foley 2000; Schmits 1991). During the first decade of statehood, Missouri’s population almost doubled, followed by an increase of more than 270 percent between 1830 and 1840. The State had

682,044 inhabitants by 1850, and more than 1 million inhabitants, including 114,931 enslaved persons, by 1860 (March 1967).

Antebellum Development

While one group of immigrants was being forced out of their homes, new immigrants continued steadily to arrive from the East. Settlers were enticed to the area for a variety of reasons, including the “almost two thousand miles of navigable rivers” that “made possible the relatively rapid development of farms and villages” (March 1967). During this period, Missouri was known as the Gateway to the West, and the western counties served to supply the “fur trade, the Santa Fe trade, and provisions for troops at Leavenworth” (March 1967). The 1840s saw traffic on the Missouri River and activity in the Project vicinity increase “prodigiously as population and industry in Western Missouri and Iowa grew, the Oregon fever raged, and the war with Mexico necessitated the movement of troops and supplies to transfer points on the Missouri River” (March 1967).

In general, life in the Project vicinity and Missouri itself during the antebellum period was based on a system of subsistence agriculture. Some cash crops, namely hemp and tobacco, were grown in areas where plantation agriculture existed (March 1967). Corn, which was the principal crop cultivated in Missouri since the inception of American settlement there (March 1967), was the dominant crop grown by the mainly sustenance-oriented farmers before and after the Civil War. At the advent of the Civil War, only two states produced more than Missouri’s nearly 73 million bushels (March 1967).

Due to a lack of dependence on cotton cultivation, Missouri’s enslaved population constituted less than 3 percent of the population, a number much lower than in most other slave states. Additionally, only 10 percent of residents could be classified as slaveowners, and most owned very few slaves. Even though most Missourians were not slaveowners (March 1967), most came from Southern states and supported the system’s existence and the philosophy that a person could be considered property. As a result, though Missouri would remain within the Union, anti-Union guerilla activity plagued the State from the inception of the Civil War. Much of this activity was concentrated along the border between Kansas and Missouri.

Civil War

The decades leading up to the Civil War were wrought with heated disagreements, threats, and violent skirmishes in the Kansas-Missouri border counties. Both pro-slavery and anti-slavery groups formed and rallied their members to take action (Trexler 1914).

The Civil War disrupted life throughout Missouri. Martial law, established by Major General Fremont in 1861, resulted in confiscation or destruction of property belonging to Southern sympathizers. However, the general Project vicinity was relatively quiet during the Civil War, with guerrilla raids and reprisals focused along the Kansas-Missouri borderlands (March 1967).

Reconstruction

Missouri recovered quickly from the Civil War and grew rapidly in the intervening years. The State’s population increased by approximately 40 percent during the 1860s, while the State’s overall wealth increased by more than 70 percent (March 1967). Related to this growth, railroad mileage in the State more than doubled between 1865 and 1870 with most of the new

construction serving rural areas that were formerly economically isolated. Railroad construction was widely supported by local residents, and though railroads did “provide farmers with better market access, lower transport costs, encourage immigration, and increase land values” in some areas, many counties incurred debts they were unable to repay to support railroad construction in their area (March 1967).

Between 1860 and 1890, the number of improved acres in the State increased from more than 6 million to nearly 20 million. This increase meant that 64 percent of land in the State was improved in 1890 as opposed to 31 percent at the end of the Civil War. The increased amount of improved acreage was accompanied by an increase in the number of individual farm units from approximately 93,000 in 1860 to over 238,000 by 1880, and a reduction in average farm size from 215 acres at the end of the Civil War to 125 acres by the turn of the twentieth century (March 1967).

In addition to the physical changes, farms began to produce a variety of different crops during the postbellum period. The principal commercial crops prior to the Civil War were either no longer produced, as was the case with hemp, or produced in significantly reduced quantities, as was the case with tobacco production, which was reduced by almost half. Instead, farmers began producing wheat and oats in commercial quantities using new labor-saving machinery and the increased ease of transporting crops to market. Nevertheless, as in the years before the Civil War, corn remained the State’s staple crop, though now farmers did not just grow it for themselves and their livestock but also for sale at market. In 1880, Missouri farmers produced more than 200 million bushels of corn (March 1967).

Early Twentieth Century Development

The early decades of the twentieth century in Missouri were characterized by continuing technological and infrastructure-related improvements that dramatically changed the State’s physical and economic landscapes. For example, the replacement of horses and mules with automobiles precipitated a period of intensive roadway construction and improvement, while the use of the tractor encouraged increased agricultural production and efficiency. Other widespread improvements during the period, including electric lights and the installation of water and sewer systems, were concentrated in urban areas but impacted many aspects of everyday life even for those without direct access to the new luxuries (March 1967).

One major impact of the infrastructure improvements was the initiation of a rural to urban movement that began in earnest in Missouri around 1910. By 1930, more than half of Missourians resided in incorporated places with more than 2,500 residents. The movement was also influenced by an agricultural decline due in large part to the increased technological efficiencies available to farmers at the time. With access to better plants, improved pest control methods, and new farm machinery that “increased output 26 percent between 1920 and 1930,” farmers produced more crops than they could sell. As a result, a “protracted and withering depression” began in the agricultural sector from which many would never recover (March 1967). This depression preceded the larger nationwide depression of the 1930s, and as the situation became increasingly desperate, over 1 million rural farmers had abandoned their homes by the end of the 1920s. Farm foreclosures were commonplace throughout the State causing “absentee ownership and tenancy” to increase while the number of farms declined, and their sizes increased as large commercial interests bought up foreclosed properties (March 1967).

Despite the strains put on the industry during the early twentieth century, as late as 1940, agriculture remained the “principal employer of labor and the chief source of wealth in Missouri.” This economic dependence on agricultural pursuits continued through World War II, when increased wartime manufacturing shifted the State’s economic profile (March 1967). Between 1900 and 1945, the number of farms in the State had decreased 14.7 percent from approximately 285,000 to approximately 243,000 while their average size had increased 16 percent from 125 acres to 145 acres (March 1967).

Post-World War II Development

During the immediate aftermath of World War II, the agricultural trends of the early twentieth century increased exponentially. Between 1945 and 1960, the decline in the number of farms continued at an increased pace, with a decrease of more than 30 percent resulting in only 168,672 farms. During the same period, the average farm size increased by more than 36 percent to 197 acres, with individuals owning more than 500 acres climbing by 54 percent. The ultimate result was that small farmers were unable to compete with the larger scale operations. Additionally, the number of farm workers and tenants declined, as did the small rural agricultural centers that had developed in the nineteenth century to support local farming operations. Those that remained in the agricultural sector often abandoned cultivation altogether in favor of the more lucrative livestock trade (March 1967).

At the same time, manufacturing became the State’s leading economic determinant. By 1960, approximately one-fourth of Missouri’s 1.5 million workers were engaged in manufacturing trades with fewer than 10 percent employed in agriculture (March 1967). As a result, the net value of the State’s manufactured goods was five times that of its agricultural products during this period and continued to increase as manufacturing activities in the State became more diversified (March 1967).

Methods

Objectives

The primary objective of this archaeological resources survey was to identify and assess existing resources within the APE to the professional standards and guidelines of the *Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Preservation* (48 FR 44716-44742), the *Secretary's Standard for Identification* (48 FR 44720-44723), the Missouri State Historic Preservation Office (SHPO) *Guidelines for Phase I Archaeological Surveys and Reports*, and the 2023 ONHPO *Archaeological Survey Standards*.

Literature and Records Search

Prior to the beginning of the field investigations, a review of archaeological and historical literature relevant to the Project was conducted. The pre-field review included examination of the site inventory records on file in the SHPO for recorded cultural resources within 1 mile from the Project. The review also provided information for the cultural history and environmental overview of the area, as these pertain to the site distribution and evaluation of cultural resources. In addition, reports of previous investigations within 1 mile of the Project were reviewed (Study Area). In conjunction with the National Register of Historic Places (NRHP) significance criteria, the information provided a context by which cultural resources can be evaluated.

In addition to the archaeological site and survey files, a number of other resources were also consulted during archival research. These resources are listed below.

- Review of county plat/ownership maps available online through the Missouri Digital Heritage Program and the University of Missouri Digital Library
- Mid-Continent Public Library Midwest Genealogy Center, Independence, Missouri
- National Register of Historic Places (NRHP)
(<http://nrhp.focus.nps.gov/natreghome.do?searchtype=natreghome>)
- Bureau of Land Management General Land Office (GLO) records
(www.glorerecords.blm.gov)
- US Geological Survey (USGS) Map Locator and Downloader
([http://store.usgs.gov/b2c_usgs/b2c/start/\(xcm=r3standardpitrex_prd\)/.do](http://store.usgs.gov/b2c_usgs/b2c/start/(xcm=r3standardpitrex_prd)/.do))

Archaeological Field Methods

The field investigations for this Project were designed to document and assess both historic period and prehistoric archaeological sites within the APE. Burns & McDonnell performed an intensive pedestrian and shovel test survey of the entire APE. Ground surface visibility (gsv) within areas covered in vegetation areas was generally 70 to 100 percent. Field investigations were to the standards and guidelines of both the SHPO and the ONHPO.

Shovel tests were excavated at 30-meter (m) intervals in areas not covered in asphalt, concrete, structures, or fill. Shovel tests measured 30 centimeters (cm) in diameter and were excavated 20 cm beyond sterile, culturally undisturbed soils. Shovel tests were excavated at judgmental locations in areas of known disturbance that were covered in soils and vegetation at the time of the archaeological resources survey. Archaeologists screened all excavated soil through ¼-inch mesh hardware cloth and carefully examined the walls of each shovel test to observe soil profiles and to identify any indications of buried cultural deposits. Each shovel test was documented using standard forms, field notes, and digital photographs. A handheld Trimble TD600 Global Positioning System (GPS) unit with sub-meter accuracy was used to record each shovel test location. All shovel tests were backfilled following inspection and documentation.

Results of the Background Review and Phase I Survey

Burns & McDonnell archaeologists performed a Phase I archaeological resources survey of the Project areas on October 10, 2023, and March 27, 2024. This chapter includes the results of the current archaeological investigations. Photographs of the APE are included in Appendix B.

Records Review Results

Prior to the beginning of the field investigations, Burns & McDonnell archaeologists reviewed archaeological and historical literature relevant to the Project area. On October 6, 2023, and March 22, 2024, Mr. Shaver reviewed online data on the SHPO Archaeology Viewer, maintained by the Missouri Department of Natural Resources, as well as historic-era resources data by utilizing the NRHP website, GLO plats, a county plat maps, historic aerial imagery, and topographic maps.

Historic aerial imagery, from 1955, shows the APE within a mostly wooded area with a north to south road bisecting the Project (Appendix A: Figure 3). The General Services Building was constructed between 1976 and 1979 (Appendix A: Figure 4). A large portion of the Project APE was covered in a blacktop and concrete parking lots, the former General Services Building, and ancillary buildings, which were in the process of being demolished during the October 2023 field effort. According to staff interviewed, as part of the background review from the Project, aerial imagery, and shovel test results, fill was deposited in the lower elevations of the western portion of the Project APE (Appendix A: Figures 5 and 6). According to individuals interviewed the fill was brought in from the demolition of buildings and parking lots on the main Mo S&T campus.

Previously Recorded Archaeological Surveys and Sites

In addition to the APE, investigators examined a 1-mile buffer surrounding the Project (Study Area). Three archaeological sites have been recorded within the Study Area (Appendix A: Figure 7). Two of the sites have prehistoric components. One site, 23PH410, did not have any information available. All are outside the APE. Table 2 summarizes the sites located within the Study Area.

Table 2: Previously Recorded Archaeological Sites within 1 Mile Study Area

| Trinomial | Site Type | NRHP Eligibility | Date Recorded |
|-----------|---------------------------|------------------|----------------|
| 23PH277 | Precontact Habitation | Not reported | September 1978 |
| 23PH410 | n/a | n/a | n/a |
| 23PH1670 | Precontact lithic scatter | Not eligible | April 2002 |

(SHPO 2023 and 2024)

Ten archaeological surveys have been completed within the Project Study Area (Appendix A: Figure 7; Table 3). One previous survey, PH-35, crosses much of the southern portion of the Project area. The previous survey had identified areas as “high, medium, and low” probability

for archaeological resources and researchers adapted their methodology to that predictive model. Unfortunately, in their report, they did not identify the areas they surveyed utilizing their predictive model. For this reason, the current investigation surveyed the previously surveyed area of the Project area at 30-meter shovel testing intervals.

Table 3: Previous Cultural Resources Investigations within the 1 Mile Study Area

| Date | Report Number | Report Title | CRM Contractor | Report Authors |
|----------------|---------------|--|----------------------------------|---------------------|
| April 1985 | PH-10 | <i>Cultural Resource Survey Proposed Sewer Improvements Project, City of Rolla, Phelps County, Missouri</i> | Environmental Research Center | Sturdevant, Craig |
| September 1978 | PH-26 | <i>An Intensive Cultural Resource Survey of the Areas to be Disturbed by the Proposed Rolla Interceptor Projects, Phelps County, Missouri</i> | Environmental Research Center | Sturdevant, Craig |
| July 1999 | PH-35* | <i>Route 63 Corridor Study, Phase I Cultural Resources Documentation, Phelps County, Missouri. Rolla Vicinity, MoDOT Project Number J9P0372</i> | Historic Preservation Associates | Klinger, Timothy C. |
| January 2000 | PH-37 | <i>Phelps County Water Supply District 2 Archival Search</i> | Archaeological Research Center | Naglich, Dennis |
| July 2001 | PH-41 | <i>Design, Route 63, Phelps County, Job No. J9P0498. Route 63/Kingshighway/Loop 44 Intersection Improvements. Results Cultural Resources Survey.</i> | MoDOT/MHTD | Daniels, Karen L. |
| June 2003 | PH-58 | <i>Cultural Resource Investigations Phase I Survey Rolla Storm Sewer System Improvements Phelps County, Missouri</i> | Environmental Research Center | Sturdevant, Craig |
| May 2005 | PH-80 | <i>Cultural Resource Investigations Phase I Cultural Resource Survey 5 Star Communications Tower Project "MO 2900 UMR - Schuman Park" Phelps County, Missouri</i> | K&K Environmental, LLC | Kelly, Mark |
| January 2006 | PH-85 | <i>Cultural Resource Investigations Phase I Cultural Resource Survey GSS, Inc. Tower Project "US Cellular Rolla New Cell 3 Tower Site No. 457370" Phelps County, Missouri.</i> | K&K Environmental LLC | Kelly, Mark |
| September 2006 | PH-96 | <i>Phase I Cultural Resource Survey GSS, Inc. Tower Project "Vista View Tower Site No. 457371" Phelps County, Missouri</i> | K&K Environment LLC | Kelly, Mark |
| November 2006 | PH-98 | <i>Phase I Cultural Resource Survey GSS, Inc. Tower Project "US Cellular Rolla Central Tower Site No. 457405" Phelps County, Missouri</i> | K&K Environmental LLC | Kelly, Mark |

*Intersects APE, (SHPO 2023 and 2024)

Current Survey Findings

On October 10, 2023, and March 27, 2024, Principal Investigator Douglas Shaver and archaeological field technician Erin Verstraete completed an archaeological resources survey for the Project. During the October 2023 field effort, it was understood that the Project had only received funding from private and state donations and that the archaeological resources survey was to meet state standards. The October 2023 archaeological resources survey was executed to the Missouri SHPO *Guidelines for Phase I Archaeological Surveys and Reports*. Once additional funding through NIST was made apparent, and that NIST would serve as the lead Federal agency for the Project, an additional archaeological resources survey was recommended that would meet the 2023 ONHPO *Archaeological Survey Standards*.

During the October 2023 archaeological resources survey, it was noted that the General Services Building was in the process of demolition. The large blacktop parking lot, to the north of the General Services Building was still intact (Appendix B: Photograph B-1). Additionally, a graveled lot (Appendix B: Photograph B-2) was located to the east of the General Services Building, a liquid storage tank was located to the east of the graveled lot (Appendix B: Photograph B-3). Southwest of the tank was a small concrete culvert/drainage (Appendix B: Photograph B-4). Adjacent to the parking lot there were manhole covers marking a sewer line that bisects the Project from north to south along a small ridge overlooking the low area in the west of the Project (Appendix B: Photographs B-5 and B-6). The only area that appears to not have been disturbed, either historically, or during the construction of the General Services Building is along the eastern portion of the Project (Appendix B: Photograph B-7). During the October 2023 archaeological resources survey the lower fill area, in the western portion of the APE, was covered in a very shallow soil with mowed grasses (Appendix B: Photographs B-8 through B-10).

When the Burns & McDonnell archaeological crew returned to the Project in March 2024, they found that the Project had gone to construction. The General Services Building had been fully removed, as had the parking lot to the south of it. A new built-up parking lot was under construction (Appendix B: Photograph B-11 and B-12). The lower area, that had previously been used for fill, had been scrapped, leveled, and flex piping for the geothermal wells had been installed (Appendix B: Photographs B-13 and B-14). Shovel tests within the low area could not penetrate through the fill. A total of sixteen shovel tests were excavated and documented (Appendix A: Figure 9; Table 4).

Table 4: Shovel Test Results

| Shovel Test | Stratigraphic Level 1 | | | Stratigraphic Level 2 | | | Total Depth (cmbs) | Results | Comment |
|-------------|-----------------------|-------------------|---------------------|-----------------------|----------|---------------------|--------------------|---------|----------------------------------|
| | Depth (cmbs) | Color | Texture | Depth (cmbs) | Color | Texture | | | |
| DS1 | 0-10 | 10YR 4/2 | Silty loam | 10-30 | 10YR 4/4 | Silty loam w/gravel | 30 | Neg | -- |
| DS2 | 0-15 | 10YR 4/2 | Silty loam | 15-35 | 10YR 4/4 | Silty loam w/gravel | 35 | Neg | -- |
| DS3 | 0-10 | 10YR 4/2 w/gravel | Silty loam | -- | -- | -- | 10 | Neg | Disturbed; gravel mix |
| DS4 | 0-15 | 10YR 4/2 | Silty loam w/gravel | 15-25 | 10YR 4/4 | Silty loam w/gravel | 25 | Neg | -- |
| DS5 | 0-15 | 10YR 4/2 | Silty loam w/gravel | 15-25 | 10YR 4/4 | Silty loam w/gravel | 25 | Neg | -- |
| DS6 | 0-5 | 10YR4/2 | Silty loam-w/gravel | -- | -- | -- | 5 | Neg | Disturbed, - mixed gravels |
| DS7 | 0-5 | 10YR 4/2 | Silty loam-w/gravel | -- | -- | -- | 5 | Neg | Disturbed; compacted gravel fill |

| Shovel Test | Stratigraphic Level 1 | | | Stratigraphic Level 2 | | | Total Depth (cmbs) | Results | Comment |
|-------------|-----------------------|-----------------|------------------------|-----------------------|----------|------------------------|--------------------|---------|----------------------------------|
| | Depth (cmbs) | Color | Texture | Depth (cmbs) | Color | Texture | | | |
| DS8 | 0-55 | 10YR 4/2 | Silty loam-w/ gravel | -- | -- | -- | 5 | Neg | Disturbed; compacted gravel fill |
| DS9 | 0-5 | 10YR 4/2 | Silty loa-/ w/ gravel | -- | -- | -- | 5 | Neg | Disturbed; compacted gravel fill |
| DS10 | 0-5 | 10YR 4/2 | Silty loam-w/ gravel | -- | -- | -- | 5 | Neg | Disturbed; compacted gravel fill |
| DS11 | 0-5 | 10YR 4/2 | Silty loam-w/ gravel | -- | -- | -- | 5 | Neg | Disturbed; compacted gravel fill |
| DS12 | 0-5 | 10YR 4/2 | Silty loam-w/ gravel | -- | -- | -- | 5 | Neg | Disturbed; compacted gravel fill |
| DS13 | 0-15 | 10YR 4/2 | Silty loam – w/ gravel | -- | -- | -- | 5 | Neg | Disturbed; compacted gravel fill |
| EV1 | 0-14 | 10YR 4/2 | Silty loam w/gravel | 14-34 | 10YR 4/4 | Silty loam w/gravel | 34 | Neg. | -- |
| EV2 | 0-13 | 10YR 4/2 | Silty loam w/gravel | 13-33 | 10YR 4/4 | Silty loam with gravel | 33 | Neg | -- |
| EV3 | 0-22 | Heavily mottled | Clay w/gravel | -- | -- | -- | 22 | Neg | Impassable; compacted gravel |

Ten of the sixteen shovel tests excavated showed signs of disturbance. During the archaeological resources survey, no archaeological material, features, or sites were identified within any excavated shovel test or on the ground surface.

Summary and Recommendations

The primary objective of this Phase I archaeological resources survey was to identify, record, and provide a preliminary assessment of any identified archaeological resources within the APE of the proposed Missouri Protoplex Project, located in the City of Rolla, in Phelps County, Missouri. The investigations included background research and an archaeological resources survey of the APE. No previously recorded archaeological sites have been recorded within the APE. No archaeological sites were found during the survey. With the exception of a small portion in the eastern part of the APE, the APE has been previously impacted and is not likely to contain intact archaeological sites. The potential for deeply buried resources is low, due to the upland position of the Project. Previous disturbances include the construction and demolition of the General Services Building, multiple parking lots, ancillary buildings, sewer lines, and a large portion of the APE having been used as a borrow area. The portion in the eastern part of the APE not directly impacted by past and current construction and demolition activities was inspected to SHPO and OHHP standards. The Project does not cross any previously recorded archaeological sites, and no newly identified archaeological sites were recorded during this investigation. The Project will not have an adverse effect on any newly or previously recorded archaeological sites.

1. Given the survey results, Burns & McDonnell recommends archaeological resource clearance for the Project with the following stipulations:
2. If the proposed APE is changed, additional archaeological investigations and NRHP evaluations may be necessary.

If cultural resources are encountered during the Project construction, land-disturbing activities in the immediate area will be halted, and the investigators, the SHPO, and the OHHP will be notified. Any exposed cultural resources will be evaluated for their significance.

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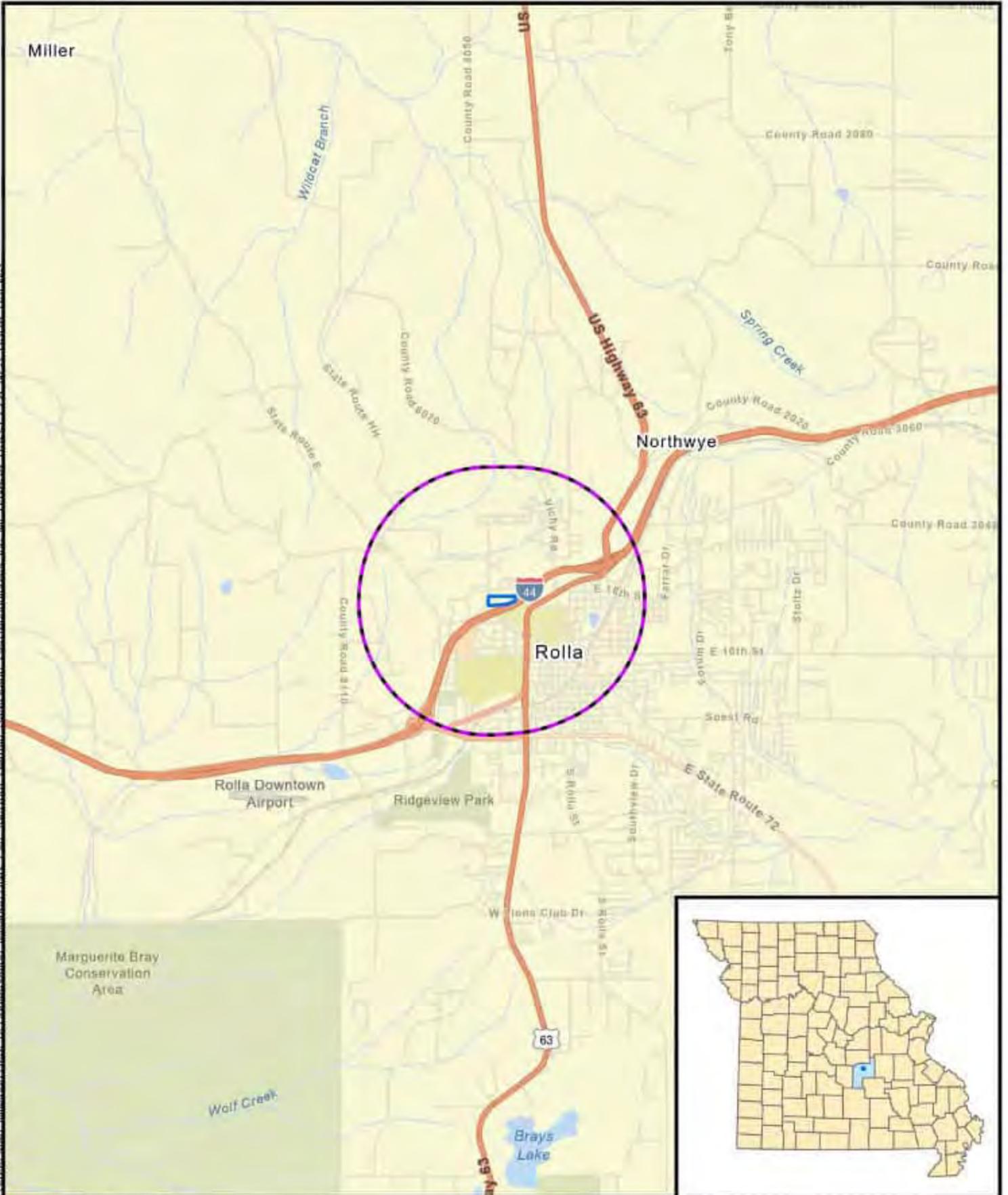
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APPENDIX A - FIGURES

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-  1-Mile Study Area
-  Project Area

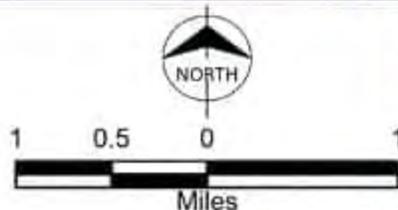


Figure 1
Project Location
Protoplex Project
Phelps County, Missouri



 Project Area

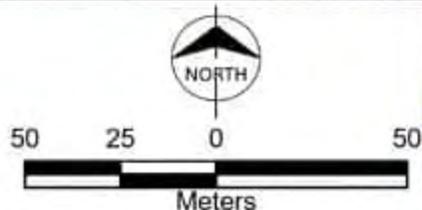


Figure 2
Project Location
2020 Aerial Image
Protoplex Project
Phelps County, Missouri

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 Project Area

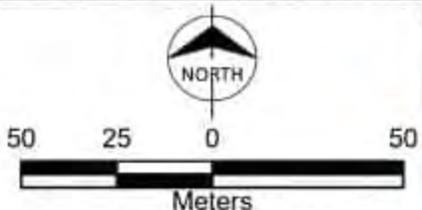


Figure 3
Project Location
1955 Aerial Image
Protoplex Project
Phelps County, Missouri

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 Project Area

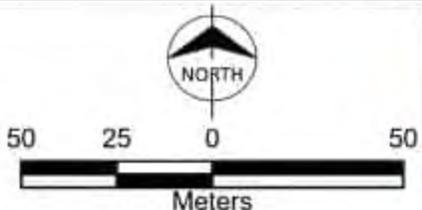


Figure 4
Project Location
1976 Aerial Image
Protoplex Project
Phelps County, Missouri

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 Project Area

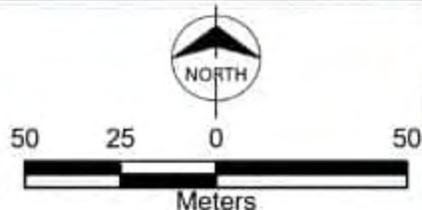
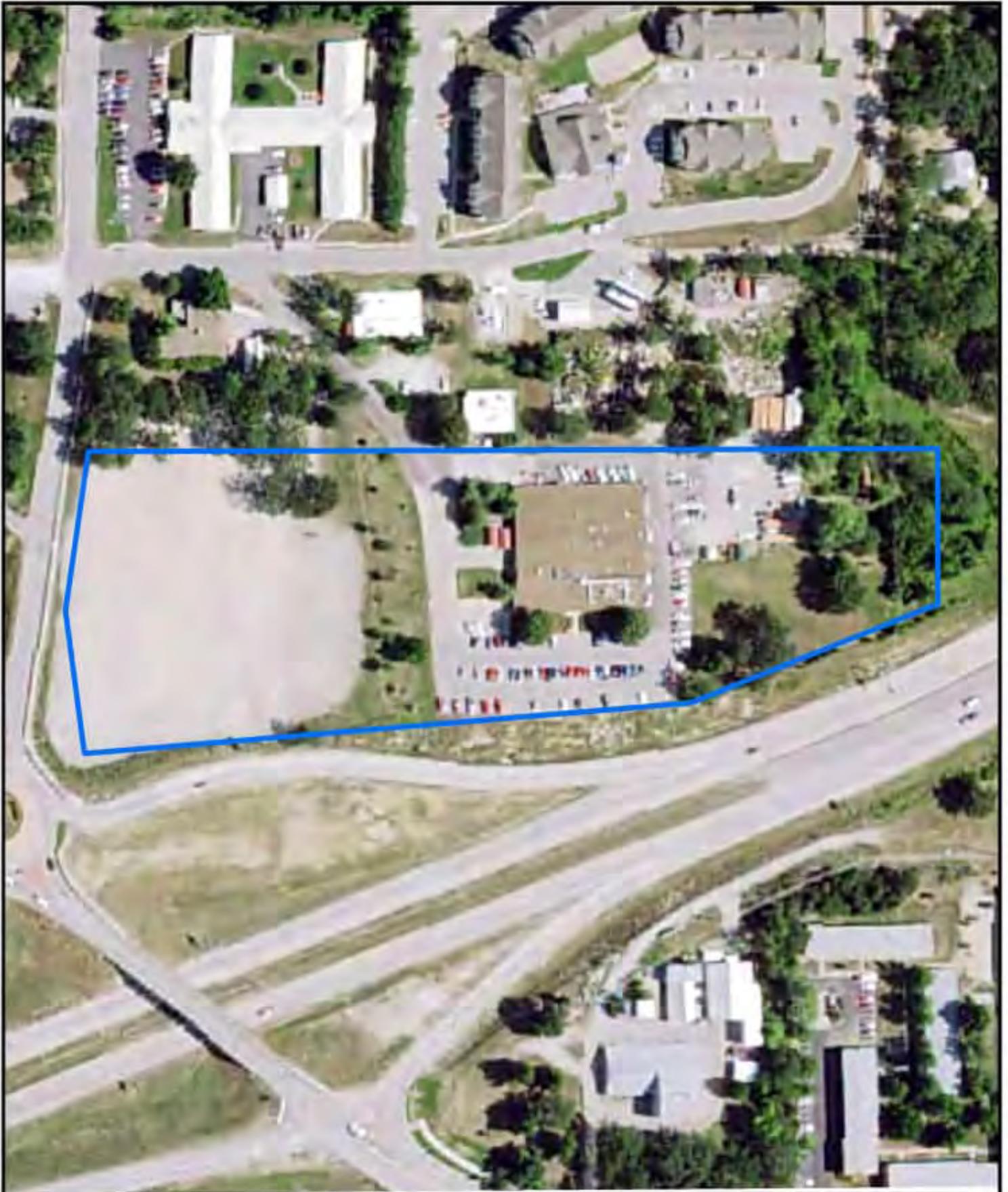


Figure 5
Project Location
2012 Aerial Image
Protoplex Project
Phelps County, Missouri

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 Project Area

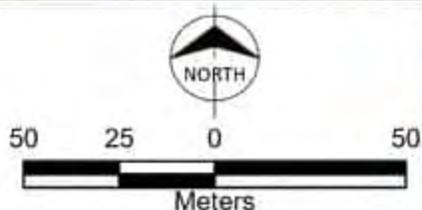
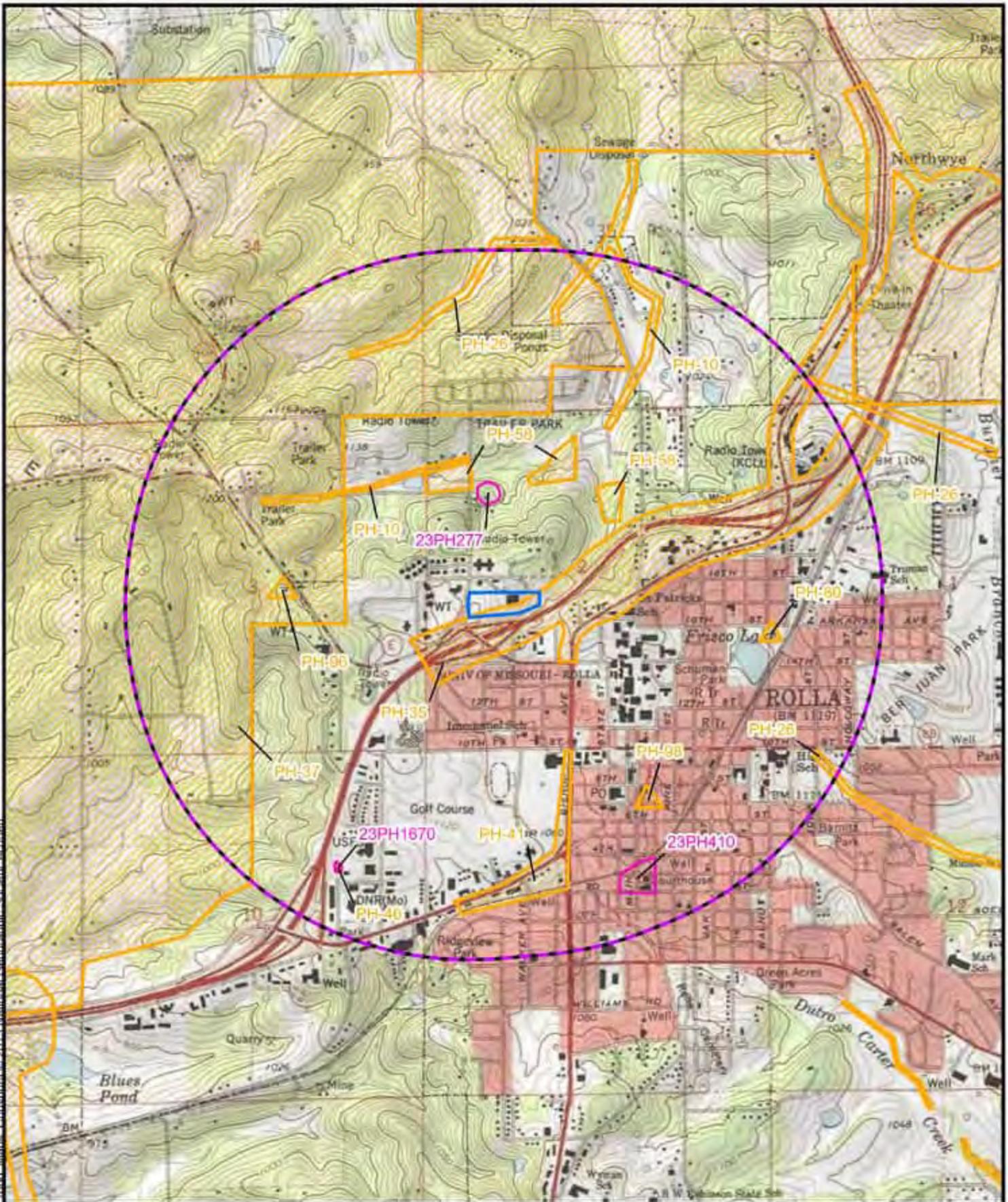


Figure 6
Project Location
2014 Aerial Image
Protoplex Project
Phelps County, Missouri

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-  1-Mile Study Area
-  Project Area
-  Previously Identified Archaeological Site
-  Previous Cultural Resources Survey

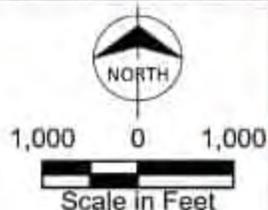


Figure 7
Previously Recorded
Archaeological Sites and Surveys
Protoplex Project
Phelps County, Missouri



-  Project Area
-  Negative Shovel Test
-  Disturbed Shovel Test

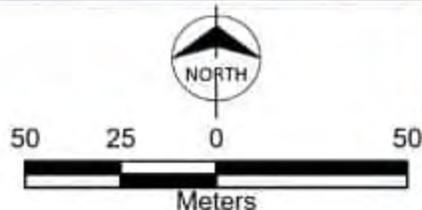


Figure 8
Shovel Test Locations
Protoplex Project
Phelps County, Missouri

APPENDIX B - PHOTOGRAPHS



Photograph B-1: Overview of blacktop lot and former General Service Building.
Photograph facing Northeast.



Photograph B-2: Overview of gravel covered lot. Photograph facing North.



Photograph B-3: Storage tank and concrete platform in eastern portion of the Project. Photograph facing North.



Photograph B-4: Concrete drainage opening in eastern portion of the Project. Photograph facing Northwest.



Photograph B-5: Overview of previously unsurveyed area of the Project.
Photograph facing North.



Photograph B-6: Overview of previously unsurveyed area of the Project and
sewer access. Photograph facing South.



Photograph B-7: Overview of previously undisturbed area of the Project.
Photograph facing East.



Photograph B-8: Overview of western portion of the Project (lower fill area).
Photograph facing East.



Photograph B-9: Overview of sewer drain opening in Southwestern corner of the Project. Photograph facing South.



Photograph B-10: Overview of western portion of the Project (lower fill area). Photograph facing Northeast.



Photograph B-11: Previously location of the General Service Building and parking lot. Photograph facing North.



Photograph B-12: Previously location of the General Service Building, with manhole cover to sewer line in foreground. Photograph facing East.

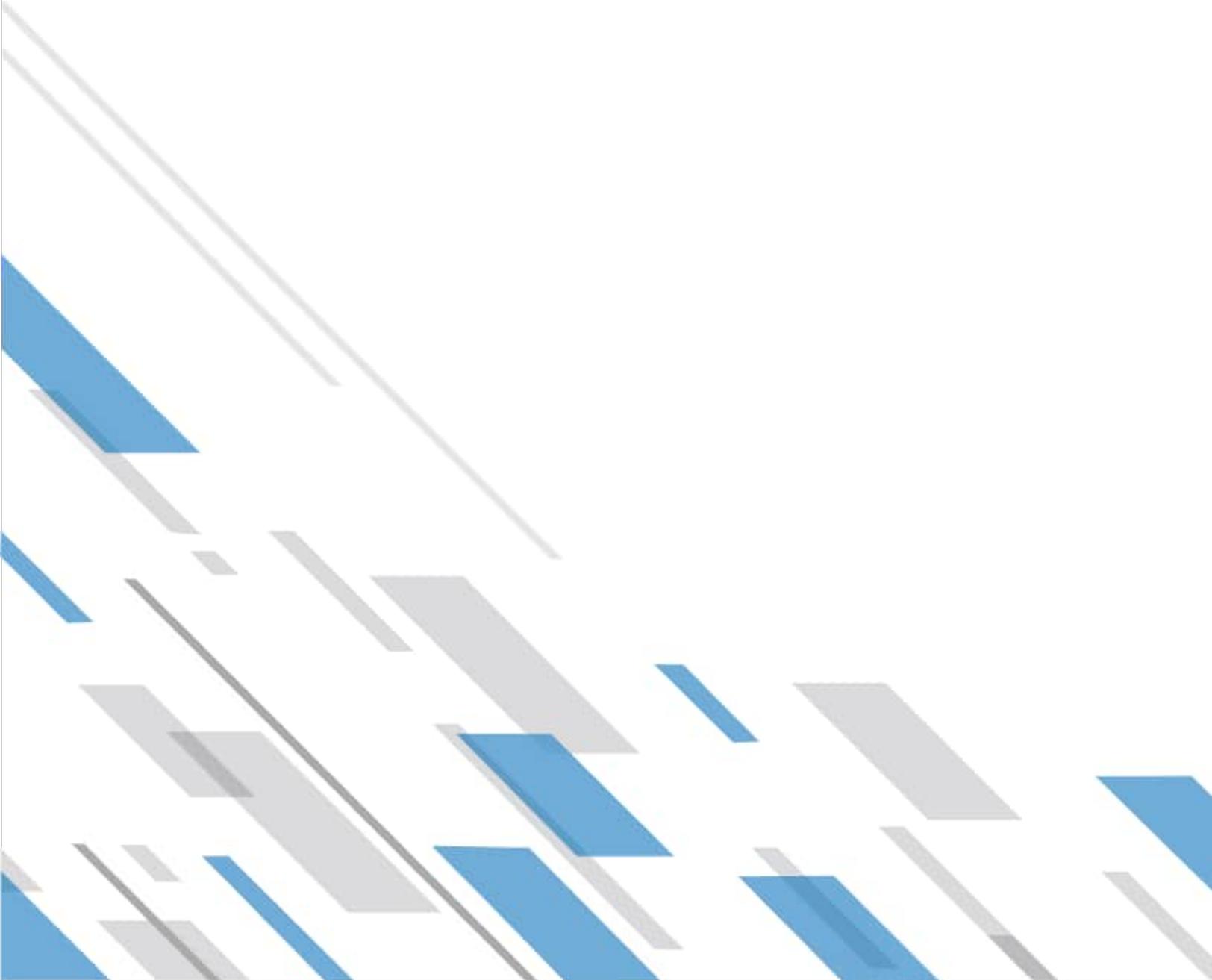


Photograph B-13: Low area of fill in the western portion of the APE with flex piping installed for the geothermal well. Photograph facing Northwest.



Photograph B-13: Push pile in low area of fill in the western portion of the APE. Photograph facing Southwest.

BURNS  **MCDONNELL**



Air Emissions Calculations

| Average Construction Equipment Usage Rates (hours) | | | | | | | | | Equipment Emission Factors | | | | |
|--|--|---|--|---|--|---|---|--|---|----------------|----------------------------|----------------------------|-----------------------------|
| Construction Equipment | New Construction | | Existing Facilities | | | Paving Operations | | | (from AP-42, Volume 2 - Mobile Sources) | | | | |
| | Single Story (per 1,000 ft ²) | Multi-Story (per 1,000 ft ²) | Single Story (per 1,000 ft ²) | Multi-Story (per 1,000 ft ²) | Demolition (per 1,000 ft ²) | Asphalt (per 1,000 yd ³) | Gravel/Dirt (per 1,000 yd ³) | Concrete (per 1,000 yd ³) | CO (lb/hr) | VOC (lb/hr) | NO _x (lb/hr) | SO _x (lb/hr) | PM ₁₀ (lb/hr) |
| Backhoe | 2.690 | 2.194 | 0.666 | 0.225 | - | - | - | - | 1.794 | 0.304 | 1.260 | 0.137 | 0.112 |
| Blower | - | - | - | - | - | 16.000 | - | - | 12.100 | 0.410 | 0.320 | 0.017 | 0.021 |
| Bulldozer | 1.183 | 1.387 | 0.372 | 0.106 | - | 6.154 | 6.154 | 16.000 | 1.257 | 0.425 | 3.840 | 0.463 | 0.406 |
| Concrete Truck | 7.528 | 3.764 | 0.753 | 0.376 | - | - | - | 203.262 | 1.794 | 0.304 | 4.166 | 0.454 | 0.256 |
| Crane | 10.334 | 15.545 | 1.894 | 1.040 | 3.000 | - | - | - | 0.675 | 0.018 | 1.691 | 0.143 | 0.139 |
| Dump Truck | 4.228 | 3.401 | 0.961 | 0.239 | 7.960 | 10.954 | 40.129 | 40.129 | 1.794 | 0.304 | 4.166 | 0.454 | 0.256 |
| Front-end Loader | 2.680 | 2.518 | 0.771 | 0.184 | 4.000 | - | 16.000 | 16.000 | 0.572 | 0.291 | 1.890 | 0.182 | 0.172 |
| Paver | - | - | - | - | - | 8.000 | - | - | 0.675 | 0.183 | 1.691 | 0.143 | 0.139 |
| Roller | - | - | - | - | - | 23.906 | 23.906 | - | 0.304 | 0.083 | 0.862 | 0.067 | 0.050 |
| Scraper | - | - | - | - | - | 4.800 | - | - | 0.151 | 0.052 | 0.713 | 0.086 | 0.061 |
| Striper | - | - | - | - | - | 16.000 | - | - | 12.100 | 0.410 | 0.320 | 0.017 | 0.021 |
| 18-Wheel Truck | 28.080 | 30.055 | 5.268 | 2.484 | - | - | - | 182.166 | 1.794 | 0.304 | 4.166 | 0.454 | 0.256 |

| Construction Equipment Emission Factors | | | | | | | | |
|---|---|--|---|--|---|--|--|---|
| Pollutant | New Construction | | Existing Facilities | | | Paving Operations | | |
| | Single Story (lb/1,000 ft ²) | Multi-Story (lb/1,000 ft ²) | Single Story (lb/1,000 ft ²) | Multi-Story (lb/1,000 ft ²) | Demolition (lb/1,000 ft ²) | Asphalt (lb/1,000 yd ³) | Gravel/Dirt (lb/1,000 yd ³) | Concrete (lb/1,000 yd ³) |
| CO | 86.288 | 84.385 | 15.907 | 6.907 | 18.594 | 427.979 | 96.146 | 792.713 |
| VOC | 14.400 | 13.588 | 2.742 | 1.129 | 3.639 | 22.763 | 21.455 | 140.825 |
| NO _x | 196.431 | 194.193 | 36.013 | 15.714 | 45.795 | 117.062 | 241.654 | 1,864.549 |
| SO _x | 20.968 | 20.522 | 3.844 | 1.670 | 4.771 | 11.515 | 25.581 | 203.523 |
| PM ₁₀ | 12.877 | 12.931 | 2.409 | 1.038 | 3.143 | 8.575 | 16.719 | 118.190 |

| VOC Emissions from Asphalt Evaporation (AP-42) | |
|--|--------------------------|
| Density of Asphalt | 68.56 lb/ft ³ |
| Weight Percent of Asphalt which Evaporates | 5 % |

Notes: Cutback asphalt emission factors were used; however, emissions from hot mix asphalt are typically one order of magnitude less

CONSTRUCTION EMISSIONS FACTORS

| Average Construction Equipment Usage Rates (hours) | | | | | | | Equipment Emission Factors | | | | |
|--|---|---|--|---|---|--|---|----------------|----------------------------|----------------------------|-----------------------------|
| Construction Equipment | New Construction | Modify Existing Facilities | Demolition | Paving Operations | | | (from AP-42, Volume 2 - Mobile Sources) | | | | |
| | Multi-Story (per 1,000 ft ²) | Multi-Story (per 1,000 ft ²) | Demolition (per 1,000 ft ²) | Asphalt (per 1,000 yd ³) | Gravel/Dirt (per 1,000 yd ³) | Concrete (per 1,000 yd ³) | CO (lb/hr) | VOC (lb/hr) | NO _x (lb/hr) | SO _x (lb/hr) | PM ₁₀ (lb/hr) |
| Backhoe | 2.194 | | - | - | | - | 1.794 | 0.304 | 1.260 | 0.137 | 0.112 |
| Blower | - | | - | | | | 12.100 | 0.410 | 0.320 | 0.017 | 0.021 |
| Bulldozer | 1.387 | | - | | | | 1.257 | 0.425 | 3.840 | 0.463 | 0.406 |
| Concrete Truck | 3.764 | | - | | | | 1.794 | 0.304 | 4.166 | 0.454 | 0.256 |
| Crane | 15.545 | | 4.000 | | | | 0.675 | 0.018 | 1.691 | 0.143 | 0.139 |
| Dump Truck | 3.401 | | 4.000 | | | | 1.794 | 0.304 | 4.166 | 0.454 | 0.256 |
| Front-end Loader | 2.518 | | 4.000 | | | | 0.572 | 0.291 | 1.890 | 0.182 | 0.172 |
| Paver | - | | - | | | | 0.675 | 0.183 | 1.691 | 0.143 | 0.139 |
| Roller | - | | - | | | | 0.304 | 0.083 | 0.862 | 0.067 | 0.050 |
| Scraper | - | - | - | | | | 0.151 | 0.052 | 0.713 | 0.086 | 0.061 |
| Striper | - | - | - | | | | 12.100 | 0.410 | 0.320 | 0.017 | 0.021 |
| 18-Wheel Truck | 30.055 | | - | | | | 1.794 | 0.304 | 4.166 | 0.454 | 0.256 |

| Construction Equipment Emission Factors | | | | | | |
|---|--|--|---|--|--|---|
| Pollutant | New Construction | Modify Existing Facilities | Demolition | Paving Operations | | |
| | Multi-Story (lb/1,000 ft ²) | Multi-Story (lb/1,000 ft ²) | Demolition (lb/1,000 ft ²) | Asphalt (lb/1,000 yd ³) | Gravel/Dirt (lb/1,000 yd ³) | Concrete (lb/1,000 yd ³) |
| CO | 84.385 | - | 12.164 | - | - | - |
| VOC | 13.588 | - | 2.453 | - | - | - |
| NO_x | 194.193 | - | 30.988 | - | - | - |
| SO_x | 20.522 | - | 3.116 | - | - | - |
| PM₁₀ | 12.931 | - | 2.268 | - | - | - |

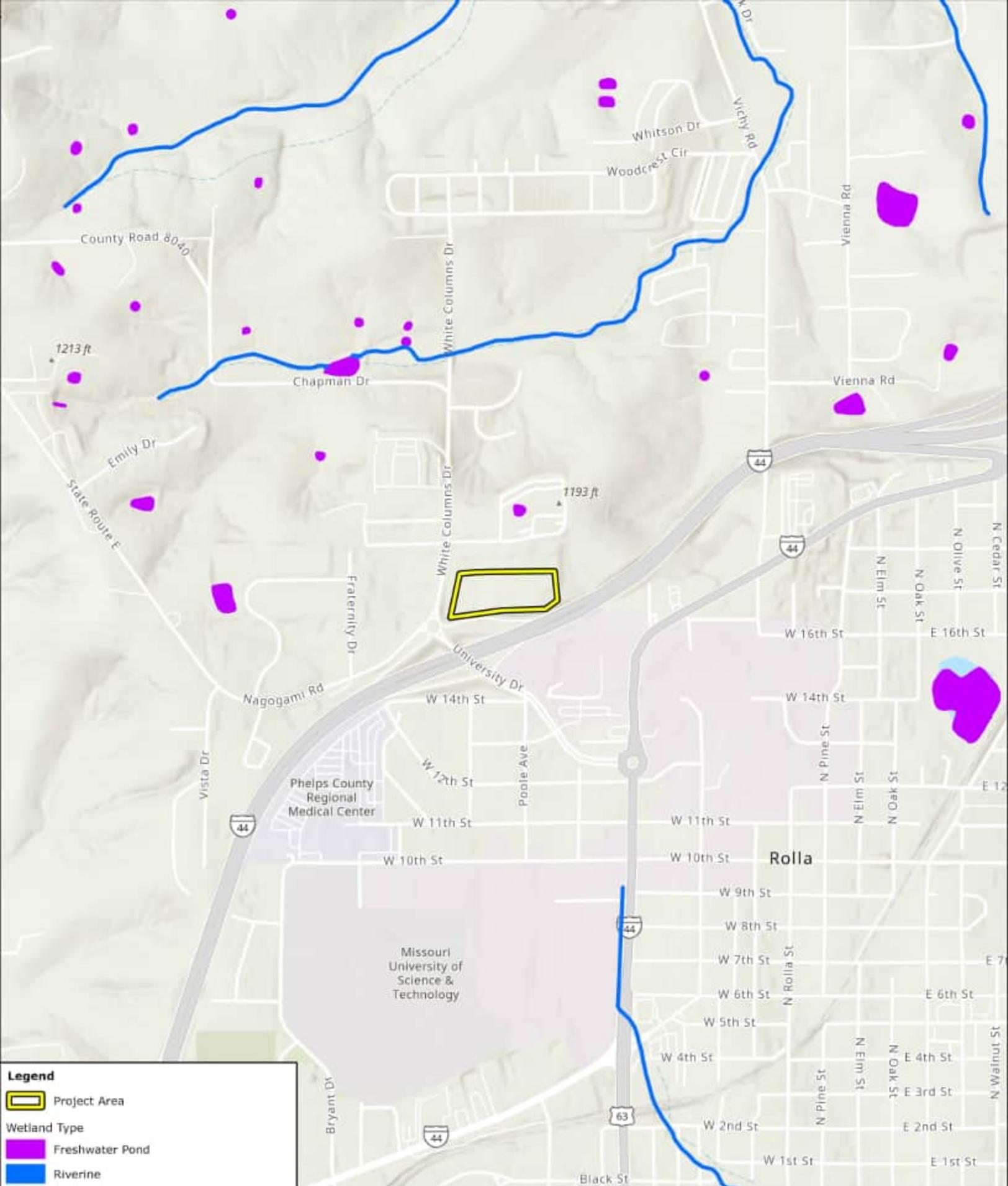
| | |
|---|--------------------------|
| VOC Emissions from Asphalt Evaporation (AP-42) | |
| Density of Asphalt | 68.56 lb/ft ³ |
| Weight Percent of Asphalt which Evaporates | 5 % |

PROPOSED ACTION EMISSION CALCULATIONS BY YEAR

| FY 2024 | | Heavy Equipment Total Emissions (tons) | | | | | Fugative Dust ⁽¹⁾ (tons) | Total Air Emissions (tons) | | | | |
|------------------------------|--------|---|-------|--------|-------|-------|--|-----------------------------------|--------------|---------------|--------------|------------------|
| Activity | SF | CO | VOC | NOx | SOx | PM10 | PM10 | CO | VOC | NOx | SOx | PM ₁₀ |
| New Construction | 522720 | 22.552 | 3.764 | 51.339 | 5.480 | 3.366 | 3.456 | 22.552 | 3.764 | 51.339 | 5.480 | 6.822 |
| Demolition | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| TOTAL | | | | | | | | 22.552 | 3.764 | 51.339 | 5.480 | 6.822 |
| Applicability for Conformity | | | | | | | | 100 | 50 | 100 | 100 | 100 |

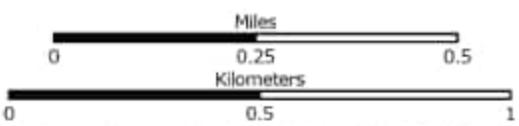
⁽¹⁾ Assumes 19.2 lbs/acre/day with a 30-day average site disturbance

National Wetlands Inventory Exhibit

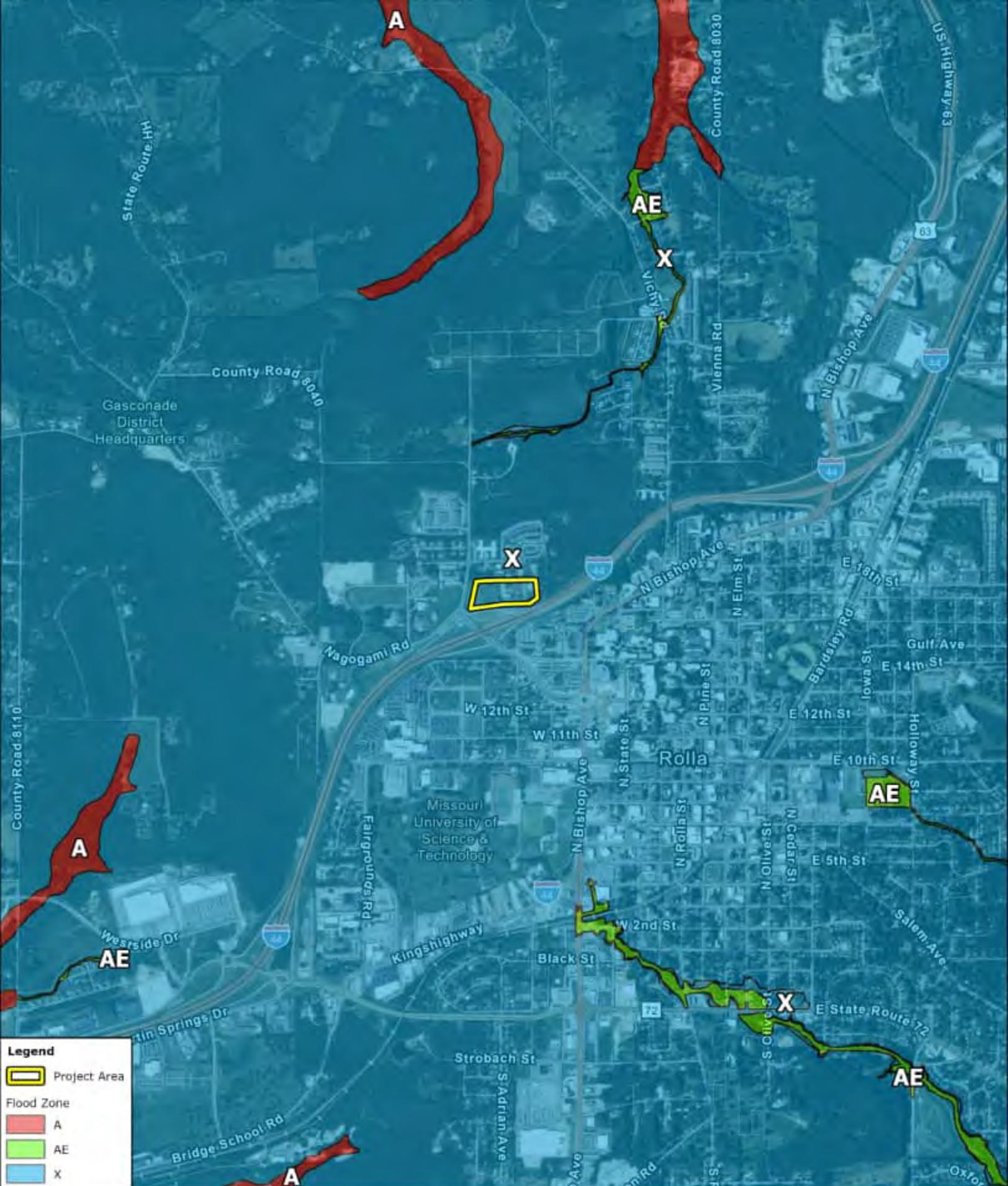


Legend

- Project Area
- Freshwater Pond
- Riverine



Floodplain Exhibit

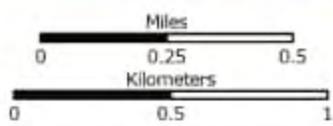


Legend

- Project Area
- Flood Zone**
- A
- AE
- X

tterracon

15247121 - Missouri S&T - RC000209 Missouri Protoplex
 Rolla, Phelps County, Missouri



N

PCS: WGS 1984 Web Mercator
 Auxiliary Sphere
 Datum: WGS 1984
 Map Units: Meter
 Map Scale: 1:24,000
 Date: May 22 2024

Phase I ESA



PHASE I ENVIRONMENTAL SITE ASSESSMENT

**MISSOURI S & T
MR. BRANDON REKUS**

**MISSOURI S & T BUILDINGS
1001 COLLEGIATE BOULEVARD
ROLLA, MISSOURI**

PROJECT # 22494

Environmental Consulting, Engineering, Remediation, Abatement and Demolition
7733 Forsyth Boulevard Suite 1600 St. Louis, Missouri 63105 314.241.0900
www.environmentalops.com



July 8, 2022

Project #22494

Mr. Brandon Rekus
Missouri S & T
900 Innovation Drive, Suite 200
Rolla, Missouri 65401

The following is to transmit the results of Environmental Operations, Inc.'s Project #22494; Phase I Environmental Assessment Services for Missouri S & T. This assessment was completed on the Missouri S & T buildings located at 1001 Collegiate Boulevard in the City of Rolla, Phelps County, Missouri.

Questions concerning this report should be directed to Alexandria Algieri by phone at (314) 241-0900, by fax at (314) 436-2900 or by email at lexy@environmentalops.com.

Respectfully submitted,

Alexandria Algieri
Junior Project Manager

Julie Gibbs-Alley
Program Manager - Due
Diligence and Compliance
Services

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1. SUMMARY

Environmental Operations, Inc. performed a Phase I Environmental Site Assessment on the Missouri S & T buildings located at 1001 Collegiate Boulevard in the City of Rolla, Phelps County, Missouri. This assessment was conducted in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Practice E 1527-13 and the Scope of Work/Tasks outlined in Environmental Operations, Inc.'s Proposal, and in compliance with Title 40 of the Code of Federal Regulations Part 312 (40 CFR Section 312). Any exceptions to or deletions from these practices are outlined in the Assumptions and Limiting Conditions section of this report.

Located in an institutional and rural area of Rolla, Missouri, the subject site consists of approximately 15 acres of land and has been developed and occupied by Missouri S & T since at least 1963. Surrounding properties have been developed since approximately 1912 and have included small commercial properties and residences.

This assessment revealed no evidence of recognized environmental conditions (as defined by ASTM Practice E 1527-13) in connection with the subject property, except for the following:

- In the Dangerous Materials Storage Facility (DMSF), a hydraulic loading dock lift was noted at the building entrance. Staining was evident on the concrete underneath the lift. According to subject site personnel, this concrete was installed within the last two (2) years. The lift is not original to the building, and though installation date is not known, it has been on site for estimated at least three (3) decades. The cylinders were also recently replaced on the lift. The current concrete staining would represent a *de minimis* condition, however, based on the likelihood that the lift was leaking prior to the concrete being in place, hydraulic fluid may be present in the soil under the lift. The likelihood of this fluid leaking for a prolonged period of time and its presence in the underlying soil in unknown quantities represents a recognized environmental condition (REC) to the subject property. Further investigation is recommended.
- In the mechanical room of the Facility Operations/General Services Building, an air compressor was discovered of unknown manufacture/install date. Staining was evident in the immediate vicinity of this air compressor. Though the air compressor appeared to be manufactured more recently than 1979 (the date which PCBs were banned from manufacture by the EPA), based on interviews with subject site personnel, an older air compressor previously occupied the same area and the staining may have been attributed to the operation of the older air compressor. The high likelihood of this staining being associated with the operation of an air compressor manufactured prior to 1979 and the released hydraulic oils associated with such machinery represents a recognized environmental condition (REC) to the subject property. Further investigation is recommended.
- An area of non-clean fill was noted in the northeastern portion of the subject property identified as the Outdoor Storage Area/Boneyard. According to information attained from site personnel, this fill is comprised of concrete, old brick, and unknown building materials, none of which has been tested. This fill material's presence on the subject property represents a recognized environmental condition (REC) to the subject property based on the nature of unknown substances comprising it. Further investigation is recommended.

2. INTRODUCTION

2.1 Purpose

The purpose of this practice is to define good commercial and customary practice in the United States of America for conducting an *environmental site assessment* of a parcel of *commercial real estate* with respect to the range of contaminants within the scope of Comprehensive

Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. Section 9601) and *petroleum products*. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the *innocent landowner*, *contiguous property owner*, or *bona fide prospective purchaser* limitations on CERCLA liability (hereinafter, the "*landowner liability protections*," or *LLPs*): that is, the practice that constitutes *all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice: as defined at 42 U.S.C. Section 9601 (35)(B). (See Appendix X1 for an outline of CERCLA's liability and defense provisions.) Controlled substances are not included within the scope of this standard. Persons conducting an *environmental site assessment* as part of an EPA Brownfields Assessment and Characterization Grant awarded under CERCLA 42 U.S.C. Section 9604(k)(2)(B) must include controlled substances as defined in the Controlled Substances Act (21 U.S.C. Section 902) within the scope of the assessment investigations to the extent directed in the terms and conditions of the specific grant or cooperative agreement. Additionally, an evaluation of *business environmental risk* associated with a parcel of *commercial real estate* may necessitate investigation beyond that identified in this practice (see Sections 1.3 and 13).

2.2 Detailed Scope of Services

Generation and Evaluation of Property History

- Aerial photographs and United States Geological Survey (USGS) Maps, reasonably available through state and local agencies, will be reviewed to identify past site activities and other indicators of environmental concerns.
- Additional historical data will be obtained by evaluating, if available, interviews with prior occupants of the subject site and local public officials, review of construction permits, evaluation of local street directories, and examination of historical fire insurance maps.
- The history of the subject site will be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier. Use of properties in the surrounding area shall be identified to the extent that it is revealed during the course of the subject site's evaluation.

Physical Setting Evaluation

- Environmental Operations, Inc. will determine the general soil, stratigraphic, and groundwater conditions of the property. Such a determination may involve the review of United States Department of Agriculture (USDA) soil surveys, United States and State Geological Survey surficial and bedrock geology maps, United States Geological Survey (USGS) topographic maps, and interviews with State Geological Survey geologists.

Comprehensive Government Records Review

The following federal databases will be evaluated for information on potential environmental impairment for the subject property and properties located within the minimum search distance defined by ASTM E1527:

- Federal National Priorities List (NPL)
- Federal Resource Conservation and Recovery Act (RCRA) Corrective Action (CORRACTS) and non-CORRACTS Transportation, Storage, and Disposal (TSD) facilities list
- Federal Comprehensive Environmental Response, Compensation, and Liability Index System (CERCLIS)
- Federal RCRA generators list
- Federal Institutional Controls/Engineering Controls Registries
- Emergency Response Notification System (ERNS) and Misidentified sites

The following state databases or files will be evaluated for information on potential environmental impairment for the subject property and relevant nearby properties:

- State/tribal list of hazardous waste sites identified for investigation or remediation
- State/tribal Underground Storage Tanks (UST) list
- State/tribal Leaking Underground Storage Tank (LUST) list
- State/tribal landfill and/or solid waste disposal site lists
- State/tribal Institutional Controls/Engineering Controls Registries
- State/tribal Voluntary Cleanup Sites
- State/tribal Brownfield Sites

The following local authorities will be contacted, if appropriate, to evaluate information on potential environmental impairment of the subject property:

- Health Department
- Air Pollution Control
- Building Commissioner
- Sewer District
- Fire Marshal's Office
- Electric/Utility Company
- Emergency Planning/HAZMAT Control Office

Interviews with Owners and Occupants

The Key Site Manager and Major Occupants will be interviewed to obtain information concerning uses and condition of the property. The intent of the interviews will be to determine present or previous site information, which may indicate the release or threat of release of hazardous materials or petroleum products. Questions will be asked regarding relevant environmental documents, which may be available for review. Environmental Operations, Inc. will review and evaluate relevant previously completed reports. These may include the following:

- Asbestos Inspections
- Environmental Assessments
- Risk Evaluation Documents
- Boring Logs
- Closure Plans
- UST Removal Reports
- Environmental Permits
- Safety Plans
- SDSs
- Notices of Violation

On-Site Investigation of the Property and Its Improvements

- A thorough physical site examination will be conducted of the subject property, its improvements, and surrounding properties to identify indicators of the presence of a release or threat of releases of hazardous substances. The indicators may include stressed vegetation; stained or odorous soil or water; hazardous materials' containers [e.g.: pails, drums, aboveground storage tanks (ASTs), etc.]; waste handling, storage, and disposal practices; pits, lagoons, or surface impoundments; underground storage tanks (USTs); polychlorinated biphenyl (PCB) containing equipment and associated releases; open dumping; and asbestos containing materials (ACMs). Residential properties will be inspected for Lead Based Paint (LBP) or Mold issues that could represent a risk to human health.
- The inspections for ACMs, Mold, and LBP will focus on materials considered to be a potentially significant health hazard that can be identified through non-destructive measures. Suspect ACMs with pliable and binding matrices (e.g.: roofing felts, gasket materials, etc.) or suspect ACMs that do not have a high probability of containing asbestos (e.g.: drywall, hard plaster, masonry blocks, etc.) will not be evaluated unless unusual conditions exist. Samples will be collected from suspect materials that are considered a potential significant health, regulatory or economic concern.

Report Generation

Upon completion of the investigation, a written report will be submitted to the user, which will include the following:

- A Summary of the Findings of the Investigation
- Observations from the Site Visit
- Results of the Historical Search and Regulatory Review
- References
- Analysis of the Findings and Recommendations
- Future Testing and Remediation Recommendations (if required)
- Appendices of Supporting Documentation, including:
 - - Locator Topographic and Historical Maps
 - - Chain-of-Title (if any)
 - - Analytical Results (if any)
 - - Regulatory Documents
 - - Relevant Photographs

2.3 Significant Assumptions

The information in this report has been compiled from sources believed to be reliable. However, we cannot guarantee the accuracy of information supplied by others.

The inspector has visually assessed the subject property, both the land and improvements thereon, if any. It is impossible to personally observe conditions that may exist below the surface or that may be hidden within the structure of the improvements. Therefore, no representations are made regarding such matters unless they are specifically considered in this report.

2.4 Limitations and Exceptions

The *Scope of Work* outlined above has been designed to identify the presence of hazardous substances. Unless requested by the user or deemed necessary, this investigation will not include additional environmental issues such as wetlands, radon or formaldehyde gas, archaeological sites, lead-based paint (LBP), or lead in drinking water issues.

2.5 Special Terms and Conditions

The user recognizes that the company's failure to detect the presence of hazardous substances at a site does not guarantee that hazardous substances do not exist even though the company has utilized appropriate and mutually agreed upon sampling techniques and audit procedures. The liability of the company, its agents performing services under this proposal, including professional services, shall in no event exceed the amount of applicable insurance. A certificate of insurance is included in *Appendix 16.11, Proposal/Notice to Proceed*. The company shall not be liable for indirect, consequential, or incidental damages.

2.6 Reliance

The report is intended only for the internal use of the addressee or their authorized representative, and possession does not imply the right of publication or the use for any other purpose without the written consent of Environmental Operations, Inc. There are no other intended beneficiaries.

3. SITE DESCRIPTION

3.1 Location and Legal Description

The investigated site is the Missouri S & T buildings located at 1001 Collegiate Boulevard in

the City of Rolla, Phelps County, Missouri. The lot is irregular in shape and approximately 15 acres in size, with approximately 900 feet of frontage along the south side of Collegiate Boulevard.

According to the Phelps County Assessor's Office, the parcel locator number is 71-09-1.0-02-003-001-002.000.

3.2 Site and Vicinity General Characteristics

The subject site lies in an area generally characterized as institutional and rural. The surface is predominately level, with an overall downward slope to the north. It should be noted that surface slope is not necessarily representative of groundwater flow.

3.3 Current Use of the Property

The subject property is currently used by Missouri Science and Technology College (MO S&T) for the following:

- 1001 Collegiate Boulevard: Compressible Flow Lab, utilized for wind tunnel research
- 909 Facilities Avenue: Temporary Research Facility, utilized primarily for electrical and mechanical research
- 905 Facilities Avenue: Dangerous Materials Storage Facility (DMSF), used for 90-day temporary storage of hazardous materials
- 901 Facilities Avenue: Facility Operations/General Services Building: includes warehouse, auto maintenance shop, offices
- 851 Collegiate Boulevard: Electric Car Office/Transit Depot, Electric Car Workshop, and decommissioned Hydrogen Storage Area
- 821 Collegiate Boulevard: Materials Storage Building
- Outdoor Storage Area/Boneyard: stores transformers, substation cooling fans, metal machinery, various full shipping containers

3.4 Description of Subject Site Improvements

The subject property's major improvements include the seven (7) buildings listed below:

1001 Collegiate Boulevard

- Compressible Flow Lab: single-story building constructed on concrete slab. Exterior finishes include brick masonry and painted metal surfaces. Interior finishes include unfinished concrete floors, painted cinderblock walls, and painted metal ceilings. A small shed is also constructed adjacent to this building which houses the wind tunnel engine. The floors of this shed are concrete and the ceiling and walls are composed of insulated wood.

909 Facilities Avenue

- Temporary Research Facility: single-story building constructed on concrete slab. Exterior finishes include brick facia and painted metal surfaces. Interior finishes include concrete floors, unfinished and painted cinderblock walls, and painted metal ceilings.

905 Facilities Avenue

- Dangerous Materials Storage Facility (DMSF): single-story building constructed on concrete slab. Exterior finishes include brick masonry and painted wood and metal

surfaces. Interior finishes include painted concrete floors, painted cinderblock walls, and painted and exposed metal ceilings.

901 Facilities Avenue

- Facility Operations/General Services Building: single-story building constructed on concrete slab. Exterior finishes include brick facia, painted brick, and painted metal surfaces. Interior finishes include industrial carpet, vinyl tile, and unfinished and painted concrete floors; painted gypsum board, unfinished and painted cinderblock walls; and painted metal and 2x2' and 2x4' acoustical tile ceilings.

851 Collegiate Boulevard

- Electric Car Office/Transit Depot: two-story building constructed from shipping containers placed on concrete slab. Exterior finishes include painted metal surfaces. Interior finishes include wooden tile and vinyl tile floors; painted gypsum board and painted metal walls; and 2x4' acoustical tile, painted metal, and painted gypsum board ceilings.
- Electric Car Workshop: single-story building constructed on concrete slab. Exterior finishes include painted metal surfaces. Interior finishes include unfinished concrete floors, poly-vinyl insulated walls and ceilings with painted metal support beams.

821 Collegiate Boulevard

- Materials Storage Building: single-story building constructed on concrete slab. Exterior finishes include painted cinderblock and painted metal surfaces. Interior finishes include painted concrete floors, painted cinderblock walls, and painted concrete ceilings.

Heating is provided by both electric, forced air system and a natural gas, forced-air system. Cooling is provided by an electric, forced-air system. The City of Rolla supplies drinking water to the subject property from the municipal distribution system. Sanitary discharges on the subject property are discharged into the municipal sanitary sewer system, which is also serviced by the City of Rolla.

Minor improvements to the subject site include gravel areas in the outdoor storage area/boneyard, asphalt-paved surface parking and roads, and concrete-paved building access and roads throughout the subject property.

3.5 Current Uses of Adjoining Properties

Surrounding properties include:

| Direction From Site | Occupant | Use / Comments |
|---------------------|---|----------------|
| North | Cedar Pointe Skilled Nursing & Rehabilitation Center Miner Village (housing) | Mixed Use |
| South | Highway 44 University Commons (housing) | Mixed Use |
| East | Highway 44 Undeveloped | Mixed Use |
| West | Kappa Sigma Fraternity | Institutional |

Adjoining properties observed during the subject site inspection would not be expected to impact the subject site.

4. USER PROVIDED INFORMATION

4.1 Title Records

According to information provided by the user, no chain of title was available for review.

4.2 Environmental Liens or Activity and Use Limitations

According to the user, available regulatory and title records, and interviews with owners and occupants of the subject site, no environmental liens or Activity and Use Limitations (AULs) were in place at the subject property.

4.3 Specialized Knowledge

Interviews with owners and occupants of the subject site revealed no specialized knowledge of the subject site. Missouri S & T, for whom Environmental Operations, Inc. is conducting this inquiry, has indicated no specialized knowledge of the subject property.

4.4 Commonly Known or Reasonably Ascertainable Information

The user has not provided or made known to Environmental Operations, Inc. any commonly known or reasonably ascertainable knowledge of the subject property which would be indicative of a recognized environmental condition.

4.5 Valuation Reduction for Environmental Issues

The user has not identified or made known to Environmental Operations, Inc. any indication of a significantly lower purchase price from fair market value that would indicate the potential for a recognized environmental condition.

4.6 Owner, Property Manager, and Occupant Information

| | |
|--------------------------|----------------|
| Owner: | Missouri S & T |
| Property Manager: | Brandon Rekus |
| Occupant(s): | Missouri S & T |

4.7 Reason For Performing the Phase I Environmental Site Assessment

According to the user, this All Appropriate Inquiry - Phase I Environmental Site Assessment is being conducted to qualify for a Landowner Liability Protection to CERCLA liability.

5. RECORDS REVIEW

5.1 Standard Environmental Records Sources

According to the American Society for Testing and Materials (ASTM) Phase I Environmental Site Assessment standards, Federal National Priorities List (NPL) sites; Federal Resource Conservation and Recovery Act (RCRA) Corrective Action (CORRACTS) Treatment, Storage, and Disposal (TSD) facilities; and State/Tribal-Equivalent NPL sites were researched within a one-mile radius of the subject site. Also in accordance with ASTM standards, Federal Comprehensive Environmental Response, Compensation, and Liability Index System (CERCLIS) sites; Federal RCRA non-CORRACTS TSD facilities; State-Equivalent CERCLIS sites, State/Tribal Landfill and/or Solid Waste Disposal sites, State/Tribal Leaking Underground Storage Tanks (LUST) sites, State/Tribal Voluntary Clean-Up, State/Tribal Brownfields sites were researched within a half-mile radius of the subject site. According to ASTM standards, Federal RCRA Generator sites, Federal Emergency Response Notification Systems (ERNS) sites, Federal Tribal Lands, State/Tribal Registered Underground Storage Tanks (UST) sites were researched for the subject site and adjoining properties. State/Tribal Institutional Controls, State/Tribal Engineered Controls, and Federal Institutional Controls/Engineered Controls were

researched for the subject site only. Descriptions of the databases are included in *Appendix 16.7, Regulatory Database*.

5.1.1 Review of Federal Files

A review of the above Federal files, as determined by the radius search, identified the following:

Detail Summary

| | |
|-------------------|---|
| Site Name: | MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY |
| Databases: | CORRACTS, RCRA-TSDF, RCRA-LQG |
| Address: | 905 FACILITIES AVE |
| Distance: | Subject property |
| Direction: | |
| Elevation: | |
| Comments: | The subject property is listed on the CORRACTS, RCRA-TSDF, and RCRA-LQG databases and is further discussed in the Hazardous Materials and Petroleum Products Management section of this report. |

Several additional Federal listings were identified in the regulatory database, however, based on the historical research, subject site inspection observations, the regulatory research, and the distance from the subject site, these sites would not be expected to represent a recognized environmental condition for the subject site.

A copy of this review is included in *Appendix 16.7*.

5.1.2 Review of State Files

Several State files were identified in the regulatory database, however, based on the historical research, subject site inspection observations, the regulatory research, and the distance from the subject site, these sites would not be expected to represent a recognized environmental condition for the subject site.

A copy of this review is included in *Appendix 16.7*.

5.2 Additional Environmental Record Sources

No previous environmental reports on the subject site or surrounding properties were presented for review. No evidence of previous environmental investigations on the subject site or surrounding properties was discovered during this environmental assessment.

5.3 Physical Setting

Soils

Soils in the vicinity of the subject site consist primarily of the Useful component. These soils have layers that impede the downward movement of water, or are soils with moderately fine or fine textures. Typically, the surface layer is a silt loam consisting of about 7 inches thick. The substratum to a depth of about 53 inches is silty clay, and below that to 59 inches is bedrock. The bedrock normally lies greater than 71 inches below the surface level. The hydrologic group is Class C, with slow infiltration rates. These are moderately well drained soils. The depth to the water table is greater than 69 inches. This soil does not meet the requirements for a hydric soil.

Stratigraphy

According to information supplied by the Site Assessment Report, the general stratigraphy of the subject site is characterized by the Lower Ordovician (Canadian) Series of the Ordovician System in the Paleozoic Era. The rock formation is comprised of a stratified sequence.

Groundwater

The apparent direction of shallow groundwater flow may be determined by the natural topography of the region. According to the Environmental Data Resources (EDR) Topographic Map Report and the subject site inspection, the general topography of the subject site slopes downwardly to the general North. Accordingly, unconfined groundwater in the area of the subject site may be expected to flow in a northern direction. However, it should be noted that extensive cutting and filling that characterizes developed areas could alter the expected flow of unconfined groundwater.

5.4 Historical Use Information on the Property and Adjoining Properties

5.4.1 Fire Insurance Map Review

According to EDR/Sanborn, Sanborn Fire Insurance Maps are not available for the subject site. This would not be considered unusual due to its distance from historically or densely developed portions of the state.

5.4.2 Street Directory Review

City directories were obtained from EDR on May 26, 2022 for the years 2017, 2014, and 2010. These directories were reviewed by EOI personnel on June 20, 2022. These directories revealed the following information regarding the subject property and surrounding properties:

Summary

| Date | Subject Property Comments | Surrounding Property Comments |
|-------------|----------------------------------|--|
| 2017 | No Subject Property Listed | Large Residential Property (900 Collegiate Blvd) |
| 2014-2010 | No Subject Property Listed | Residential Properties (Collegiate Blvd Addresses) |

5.4.3 Building Permit Documents Review

A Freedom of Information Act (FOIA) request was sent to Rolla City Clerk regarding city building permits review. This FOIA response revealed no additional information that would be expected to represent a significant environmental liability to the subject property.

5.4.4 Aerial Photograph Review

Aerial photographs were obtained from the EDR Aerial Photo Decade Package for the years 2016, 2012, 2009, 2006, 1995, 1992, 1983, 1976, 1964, 1962, 1959, and 1956. These aerial photographs were obtained from EDR on May 25, 2022. The aerials photographs were reviewed by EOI personnel on June 20, 2022. The following tables describe the review of these photos. It should be noted that the quality of the photographs from EDR are generally poor, making detailed description difficult. These photographs identified no surface features of concern on or adjoining the subject property. Copies of these maps are included in *Appendix 16.5, Aerial Photographs*.

Summary

| Date | Subject Property Comments | Surrounding Property Comments |
|-------------|---|---|
| 2016-2006 | Institutional and Surface Parking | North and West: Commercial, Residential, Surface Parking, and Undeveloped South and East: Commercial, Residential, and Surface Parking |
| 1995-1983 | Institutional, Surface Parking, and Undeveloped | North and West: Commercial, Residential, Surface Parking, and Undeveloped South and East: Commercial, Residential, and Surface Parking |
| 1976 | Institutional, Surface Parking, and Undeveloped | North: Residential and Undeveloped South and East: Commercial, Residential, and Surface Parking West: No Coverage |
| 1964 | Institutional, Surface Parking, and Undeveloped | North: Undeveloped South: Commercial, Residential, and Surface Parking East and West: Residential and Undeveloped |
| 1962-1956 | Undeveloped | North: Residential and Undeveloped South: Commercial, Residential, and Surface Parking East: Residential and Undeveloped West: Commercial, Residential, Surface Parking, and Undeveloped |

5.4.5 Topographic Map Review

The EDR Topographic Map Report was reviewed for the subject property and surrounding properties. The maps reviewed were dated 2017, 2015, 2004, 1992, 1985, 1980, 1976, 1963, 1951, and 1912. These topographic maps were obtained from EDR on May 25, 2022. The topographic maps were reviewed by EOI personnel on June 20, 2022. These maps revealed that the subject property and surrounding properties are located in an urban area where buildings are denoted. The subject property is developed by buildings in the 2004, 1992, 1985, 1980, 1976, and 1963 maps. Surrounding properties are developed by buildings in the 2015, 2004, 1992, 1985, 1980, 1976, 1963, 1951, and 1912 maps. According to these topographic maps, the surface topography in the area of the subject property slopes downwardly to the general North. These maps identified no surface features of concern on or adjoining the subject property. Copies of these maps are included in *Appendix 16.6, Historic Topographic Maps*.

5.4.6 History Summary

Subject Property History Summary

Based on available historical information reviewed, the subject site has been institutionally developed since at least 1963. The subject site has been occupied by Missouri University of

Science and Technology. Missouri University of Science and Technology is further discussed in the *Hazardous Materials and Petroleum Products Management* section of this report. Prior to institutional development, the site was undeveloped from at least 1912 to 1956.

Surrounding Property History Summary

Based on available historical information reviewed, surrounding properties have been residentially and commercially developed since at least 1912. Surrounding properties have included small commercial properties and residences. No evidence was discovered during the historical research that would indicate that previous uses of surrounding properties would represent a recognized environmental condition to the subject property.

5.5 Vapor Encroachment Evaluation

Environmental Operations, Inc. performed a Vapor Encroachment Screen on the Missouri S & T buildings located at 1001 Collegiate Boulevard in the City of Rolla, Phelps County, Missouri. This assessment was conducted using Tier 1 "non-invasive" screening in conformance with the American Society for Testing and Materials (ASTM) Practice E2600-10 "Standard Practice for Assessment of Vapor Intrusion into Structures on Property Involved in Real Estate Transactions." Historical and regulatory information (orphan summary) identified no evidence of potential Vapor Encroachment Conditions (pVEC) in connection with the subject site or adjoining properties. A copy of this report is included in *Appendix 16.8, Vapor Encroachment Screen*.

6. SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

Ms. Alexandria Algieri of Environmental Operations, Inc. conducted a subject site inspection June 15, 2022, between 0900 and 1345 hours. The entire subject property and all subject buildings were available for inspection. Mr. Brandon Rekus of Missouri S&T accompanied Ms. Algieri during this subject property inspection. The following is an evaluation of issues noted during this subject property inspection, the historical research, and the regulatory research.

6.2 Site Visit Findings

6.2.1 Polychlorinated Biphenyls (PCBs)

During the site inspection, the following active transformers, air compressors, and hydraulic machinery were noted on the subject property:

- Compressible Flow Lab: one (1) air compressor manufactured in 1987
- Dangerous Materials Storage Facility (DMSF): one (1) hydraulic loading dock lift, further discussed in *Section 6.2.2, Hazardous Materials and Petroleum Products Management*
- Facility Operations/General Services Building: one (1) above-ground automotive lift, no staining or release evident; one (1) air compressor of unknown manufacture/installation date, further discussed in *Section 6.2.2, Hazardous Materials and Petroleum Products Management*
- Outdoor Storage: three (3) pad-mounted transformers east-adjacent to Facility Operations/General Services Building, no staining or release evident
- Materials Storage Building: two (2) pad-mounted transformers west-adjacent to the building, no staining or release evident
- Temporary Research Facility: one (1) pad-mounted transformer southeast-adjacent to the building, one (1) air compressor of unknown manufacture/installation date, one (1) indoor pad-mounted transformer; no staining or release evident in the vicinity of any of this equipment

According to the EPA, PCBs were manufactured between 1929 and 1979 and used extensively in many applications such as coolants in hydraulic systems and as dielectric fluids in electrical equipment. Most manufacturing, processing, distribution in commerce, and use of PCBs was banned under TSCA after 1979. However, PCBs may still be present in products and materials produced before 1979 (including oil used in motors and hydraulic systems). Oil-filled transformers have been tested for PCBs only if they are labeled non-PCB. Federal regulations require that a PCB concentration of 50-499 parts per million is assumed. No evidence of a release from these transformers was noted on the day of the inspection.

No other compressors or other electrical or hydraulic equipment suspected of containing PCBs were identified in the subject buildings or on the subject property. During this subject property inspection, no oil stains were noted in the subject buildings or on the subject property that may have indicated prior releases of PCBs, unless otherwise noted as being further discussed in *Section 6.2.2, Hazardous Materials and Petroleum Products Management*. Oil stains observed in the parking area were considered typical of vehicle releases. Therefore, these stains would not be expected to represent a recognized environmental condition for the subject property. No other evidence of potential PCB contamination was noted on the day of this subject property inspection.

6.2.2 Hazardous Materials and Petroleum Products Management

The subject property, identified as Missouri University of Science and Technology (MO S&T), located at 905 Facilities Avenue, is listed on the regulatory database as a RCRA large quantity generator (LQG); a RCRA treatment, storage, or disposal facility (TSDF); and a CORRACTS facility subjective to federal corrective action. During the site inspection, documentation was reviewed on-site regarding these regulatory listings:

- As a RCRA-LQG, MO S&T produced corrosive, reactive, flammable, ignitable, and radioactive lab waste, which was stored in the Dangerous Materials Storage Facility (DMSF) on site. Minor violations in the categories of General, Manifest, Recordkeeping, Pre-transport, General Facility Standards, and Closure/Post-Closure were discovered in the late 1980s through the early 2000s. All violations were returned to compliance in a reasonable time frame. The MO S&T DMSF is now an exempt 90-day temporary hazardous waste storage facility, with both secondary and general containment for all above-stated varieties of stored waste. Hazardous waste is regularly removed by Heritage Environmental Services within the aforementioned 90-day period. During the subject property inspection, no evidence of release or imminent release was observed. Based on the current compliance, the fact that the facility is no longer a RCRA-LQG, and the 90-day temporary hazardous waste storage facility statuses, the subject property's past use as a RCRA-LQG would not be expected to represent a recognized environmental condition (REC) to the subject property.
- The DMSF on the subject property was also identified as a RCRA-TSDF and CORRACTS facility. The TSDF regulatory listing is associated with the previously mentioned large quantities of corrosive, reactive, flammable, ignitable, and radioactive waste historically stored in the DMSF on site. The CORRACTS facility regulatory listing is associated with the cleanup and remediation of various areas throughout the MO S&T campus, including the DMSF building. On March 31, 2009, MDNR issued a letter to MO S&T releasing the subject property from Corrective Action and Permitting (CORRACTS), as remediation had been completed. On that same date, the US EPA issued a letter to MO S&T terminating the Part II Permit associated with the facility's use as a RCRA-TSDF, as associated on-site activities concluded and remediation had been completed. DMSF remediation analytical documentation reviewed entailed the cleanup of interior building surfaces and removal of one (1) underground acid-mixing storage tank. Documentation showed that no media in the area of this tank was known or reasonably suspected to be contaminated above levels protective to human health and environment, thus after the acid-mixing tank was removed, the area was backfilled. Based on the documentation from MDNR and the US EPA, along with the analytical documentation, the subject property's past use as as RCRA-TSDF and CORRACTS facility would not be

expected to represent a recognized environmental condition (REC) to the subject property.

The following materials were observed during the subject property inspection:

Dangerous Materials Storage Facility (DMSF):

- A hydraulic loading dock lift was noted at the building entrance. Staining was evident on the concrete underneath the lift. According to subject site personnel, this concrete was installed within the last two (2) years. The lift is not original to the building, and though installation date is not known, it has been on site for estimated at least three (3) decades. The cylinders were also recently replaced on the lift. The current concrete staining would represent a *de minimis* condition, however, based on the likelihood that the lift was leaking prior to the concrete being in place, hydraulic fluid may be present in the soil under the lift. The likelihood of this fluid leaking for a prolonged period of time and its presence in the underlying soil in unknown quantities represents a recognized environmental condition (REC) to the subject property. Further investigation is recommended.
- Corrosive, reactive, flammable, ignitable, and radioactive lab waste are stored in this building temporarily for no more than 90 days. Secondary and general containment are in place at this building for these materials and no evidence of release was observed on the day of the site inspection.

Facility Operations/General Services Building:

- In the mechanical room of this building, an air compressor was discovered of unknown manufacture/install date. Staining was evident in the immediate vicinity of this air compressor. Though the air compressor appeared to be manufactured more recently than 1979 (the date which PCBs were banned from manufacture by the EPA), based on interviews with subject site personnel, an older air compressor previously occupied the same area and the staining may have been attributed to the operation of the older air compressor. The high likelihood of this staining being associated with the operation of an air compressor manufactured prior to 1979 and the released hydraulic oils associated with such machinery represents a recognized environmental condition (REC) to the subject property. Further investigation is recommended.
- Small amounts of general cleaners and interior paints were noted inside this building.
- Minor auto repair is performed in the automotive shop area. A small parts washer was observed in the shop, and according to subject site personnel, this parts washer is serviced regularly by Zep. Small amounts of lubricants, oils, and fluids were also noted in the automotive shop area. Large quantities of automotive fluids and supplies were not observed. No oil-water separator was observed in this shop.

Outdoor Storage Area/Boneyard:

- An area of "non-clean" fill was noted in the northeastern portion of the subject property. According to information attained from site personnel, this fill is comprised of concrete, old brick, and unknown building materials, none of which has been tested. According to information attained from site personnel, this fill is comprised of concrete, old brick, and unknown building materials, none of which has been tested. This fill material's presence on the subject property represents a recognized environmental condition (REC) to the subject property based on the nature of unknown substances comprising it. Further investigation is recommended.
- One very large transformer was noted to be leaking oil during the subject property inspection. According to information obtained from Brandon Rekus after the inspection, 365 gallons of transformer oil leaked over the course of the past 18 months. Missouri Department of Natural Resources (MDNR) was contacted to report the leak. Environmental Works has been hired by MO S&T to remediate the leaky transformer area. The transformer oil plume only covered the immediate vicinity of the leak based on samples taken downgrade and downhill from the leaky transformer. The fluid that has been leaking has been characterized as non-hazardous, non-PCB mineral oil. Based on the non-hazardous nature of the leaking substance, the plans for remediation, and the presence of state agency involvement and oversight, this leaking transformer would expected to represent a recognized environmental condition (REC) to the subject

property, however, as the remediation is still ongoing, this fluid spillage would be classified as a *de minimis* condition.

- Large quantities of decommissioned transformers, cooling fans, A/C units, various metal scrap, and metal storage containers were observed in this outdoor area. Several empty compressed gas containers and empty 5-gallon buckets were also noted in this area.

Compressible Flow Lab:

- Empty 55-gallon drums were observed along the building exterior.
- A diesel hydraulic pump was noted in the shed adjacent to building. Fluid spillage throughout this small shed was evident on the concrete floor, along with absorbent media evidently used to control the spill. Though not expected to represent a recognized environmental condition (REC) to the subject property because of the concrete barrier (which appeared to be in good condition), this fluid spillage would be classified as a *de minimis* condition.
- Used oil stored in drums were also observed in this adjacent shed.

Electric Car Office/Transit Depot:

- Small amounts of general cleaners and interior paints were noted inside this building.

Materials Storage Building:

- 5-gallon (and smaller) containers of in corrosive liquids, water treatment microbiocide, caustic soda, and hydrogen peroxide were observed in secondary and general containment.

Outdoor Storage Area Shed:

- Two large partially-full reinforced polymer totes were identified in secondary and general containment
- Several 5-gallon buckets of sealant were also noted.

Temporary Research Facility:

- Very small amounts of lab chemicals were associated with electrical and mechanical work were noted.

The type and quantity of materials noted above would be considered typical for each facility's management and use on the subject property. Unless otherwise exclusively outlined above, no other evidence of previous or imminent releases from these containers was noted on the day of this subject property inspection. Therefore, the materials not exclusively identified as a recognized environmental condition (REC) above would not be expected to otherwise represent a REC to the subject property.

During this subject property inspection, no other unusual discolorations, odors, sheens, stains, or stressed vegetation were noted in the subject buildings, on the subject property, or on surrounding sites which may have indicated significant releases of hazardous materials or petroleum products from the subject property or surrounding sites.

6.2.3 Aboveground Storage Tanks (ASTs)/Underground Storage Tanks (USTs)

During the subject property inspection and interviews, it was discovered that a large gasoline AST (approximately 20,000 gallons) on the subject site historically experienced an uncontrolled release of approximately 200 gallons of gasoline in 1993. Documentation was reviewed on site regarding this historical release. Remediation and analysis of the soil and water in the immediate vicinity of the AST was completed by MO S&T staff in March of 1993. The sampling data, photographs, and a description of the activities completed were submitted to MDNR upon request in 2007. On August 8, 2007, MDNR issued a No Further Remedial Action letter to MO S&T regarding the incidence. Upon EOI's review of analytical sampling data, it was discovered that the soil on site after remediation showed concentrations of Total Xylenes (30.5 mg/kg) that exceeded Residential Risk-Based Target Levels (RBTLs) of 24.7 mg/kg, however, Total Xylene concentrations were below Non-Residential RBTLs of 199 mg/kg. Based on the current and continued non-residential use of the subject property for the perceivable future, this historical gasoline AST release would not be expected to represent a

recognized environmental condition (REC) to the subject property. However, should site use change in the future to become more restrictive (i.e., residential), additional investigation in the vicinity of the historical gasoline AST would be recommended.

During the subject property inspection, an approximately 300-gallon diesel fuel AST was noted adjacent to the Compressible Flow Lab. The AST was elevated on steel supports and located within a secondary containment area. No evidence of previous or imminent spill was observed. Based on these observations, this AST would not be expected to represent a recognized environmental condition (REC) to the subject property.

No other ASTs were identified in the subject building or on the subject property during this subject property inspection. No USTs are currently listed for the subject property with the Missouri Department of Natural Resources. During this subject property inspection, no evidence (e.g.: access ways, dispenser island, disturbed concrete, fill pipes, vent pipes, etc.) was noted that may have indicated the presence of USTs at the subject property. No evidence of ASTs or USTs was noted on surrounding properties during this subject property inspection.

6.2.4 Air and Water Emissions

The occupant would not be expected to generate air and water emissions that would significantly impact the subject property. All floor drains and stormwater drains observed during this subject property inspection appeared to be in good condition and lacked evidence (e.g.: unusual discolorations, odors, sheens, stains, stressed vegetation, free product, industrial containers, industrial activity property history, etc.) of a release of significant quantities of hazardous materials or petroleum products.

During this subject property inspection, no evidence of cisterns, depressions, ditches, dry wells, holding tanks, impoundments, lagoons, leach fields, lift stations, monitoring wells, oil-water separators, pits, ponds, septic systems, silver recovery units, sumps, surface water, waste water discharge, or water wells was noted in the subject building or on the subject property.

7. INTERVIEWS

Owner/ Site Manager/ Occupants

Mr. Tony Hunt, Assistant Director for Environmental Health and Safety at Missouri S&T, was interviewed on June 17, 2022 in person and via questionnaire and has been familiar with the subject property for the past 30 years. According to Mr. Hunt, the subject property is currently owned by MO S & T. The subject property is currently associated with hazardous waste disposal under State # 001049 and Permit # MOD000677773. Electricity is supplied to the subject property by the City of Rolla and natural gas is supplied by Ameren. A hydraulic dock lift currently exists in the DMSF. The DMSF currently houses hazardous materials as a temporary 90-day storage facility for lab waste. Heritage Environmental Services removed the hazardous waste periodically. There is currently a decommissioned gasoline AST on the subject site that was previously used for fueling. In 1993, a fill pipe ruptured and there was a spill. The spill was registered with MDNR and remediation was completed. In 2007, MDNR issued a NFA letter for this AST spill and cleanup. Automotive maintenance and repair, industrial activities, and waste management are currently conducted on the subject property. Transformers of various sizes are also currently stored on-site. Mr. Hunt is unaware of any fuel oil heating systems, major renovations, ACMs, PCBs, or other hazardous material or petroleum product use or waste generations, ASTs, USTs, or environmental concerns associated with the subject property or surrounding sites currently or previously.

Mr. Brandon Rekus, Environmental Health and Safety Manager at Missouri S&T, was interviewed during the subject property inspection on June 15, 2022. According to information obtained from Mr. Rekus during the site inspection, MO S&T uses portions of the subject property for storage of various decommissioned transformers and scrap metal parts. One of the large decommissioned transformers has been leaking mineral oil for an extended period of time. The decommissioned AST has pipes that run both above and below ground from the AST

location west towards the Facility Operations/General Services Building, terminating somewhere near the operable transformers located adjacent to the Facility Operations/General Services Building. Mr. Rekus expects that additional testing may ensue to evaluate the various transformers on the property, the hydraulic lift at the DMSF loading dock, and the various air compressors in the buildings. During subsequent phone conversations with Mr. Rekus, he supplied that the large decommissioned transformer was found to have leaked 365 gallons of transformer oil over the course of the past 18 months. Missouri Department of Natural Resources (MDNR) was contacted to report the leak. Environmental Works has been hired by MO S&T to remediate the leaky transformer area. The transformer oil plume only covered the immediate vicinity of the leak based on samples taken downgrade and downhill from the leaky transformer. The fluid that has been leaking has been characterized as non-hazardous, non-PCB mineral oil. When asked about the hydraulic loading dock lift located at the DMSF, Mr. Rekus stated that the concrete pad under the lift was installed within the past 2 years and that the lift, though not original to the building, has never been replaced, but that the cylinders have been repaired. Mr. Rekus further clarified that the "non-clean" fill located in the northeast area of the property was comprised of concrete, old brick, and unknown building materials, none of which had been tested. Upon questioning about the tank located in a pit of a mechanical room inside the Facility Operations/General Services Building, Mr. Rekus supplied that this tank is just a condensate tank for steam lines involving no fuel or oil, just hot water. Mr. Rekus is unaware of any other fuel oil heating systems, major renovations, ACMs, PCBs, or other hazardous material or petroleum product use or waste generations, ASTs, USTs, or environmental concerns associated with the subject property or surrounding sites currently or previously.

Documentation involving the regulatory listings of CORRACTS, RCRA-TSDF, and RCRA-LQG were provided by Mr. Rekus and Mr. Hunt while on site. Additionally, documentation regarding the AST spill and remediation were also provided while on site.

Others

No other occupants, area occupants, previous owners or any others likely to have a significant knowledge of site history or operations were interviewed in conjunction with this assessment.

Local Government Officials

Local authorities and agencies, such as the Rolla City Clerk and Phelps County Department of Public Health were also contacted in order to identify any potential environmental concerns such as asbestos removal, abandoned drums, hazardous material spills, LUSTs, USTs, any major industrial activities, or related environmental concerns. Both agencies revealed no information that would indicate any environmental concerns involving the subject site.

8. FINDINGS

The following environmental concerns were discovered during the Phase I Environmental Assessment on the Missouri S & T buildings located at 1001 Collegiate Boulevard in the City of Rolla, Phelps County, Missouri. The potential environmental problems determined to require further investigation, response, and/or remediation include:

- Staining was observed on the concrete underneath the hydraulic loading dock lift located at the Dangerous Materials Storage Facility (DMSF). Though this concrete was installed within the last two (2) years, the lift was estimated to have been on site for at least three (3) decades. It is likely that the lift was leaking prior to the concrete being in place and hydraulic fluid of unknown quantities may be present in the underlying soil.
- Dark staining was evident in the immediate vicinity of an air compressor located in the mechanical room of the Facility Operations/General Services Building. It is likely that this staining is associated with the operation of an air compressor manufactured prior to 1979 and the released hydraulic oils associated with such machinery.

- An area of non-clean fill was noted in the northeastern portion of the subject property identified as the Outdoor Storage Area/Boneyard. According to information attained from site personnel, this fill is comprised of concrete, old brick, and unknown building materials, none of which has been tested.

9. OPINION

Based on the Site Reconnaissance, Records Review, Interviews, and User Supplied information, the following issues have the potential to represent an environmental liability to the subject site:

- In the Dangerous Materials Storage Facility (DMSF), a hydraulic loading dock lift was noted at the building entrance with staining evident on the concrete underneath the lift. According to subject site personnel, this concrete was installed within the last two (2) years. The lift was estimated to have been on site for at least three (3) decades. Based on the likelihood that the lift was leaking prior to the concrete being in place, hydraulic fluid may be present in the soil under the lift. The likelihood of this fluid leaking for a prolonged period of time and its presence in the underlying soil in unknown quantities has the potential to represent a significant environmental liability to the subject property.
- Dark staining was evident in the immediate vicinity of this air compressor located in the mechanical room of the Facility Operations/General Services Building. Though the air compressor appeared to be manufactured more recently than 1979 (the date which PCBs were banned from manufacture by the EPA), based on interviews with subject site personnel, an older air compressor previously occupied the same area and the staining may have been attributed to the operation of the older air compressor. The high likelihood of this staining being associated with the operation of an air compressor manufactured prior to 1979 and the released hydraulic oils associated with such machinery has the potential to represent a significant environmental liability to the subject property.
- An area of non-clean fill was noted in the northeastern portion of the subject property identified as the Outdoor Storage Area/Boneyard. According to information attained from site personnel, this fill is comprised of concrete, old brick, and unknown building materials, none of which has been tested. The presence of this fill material on site has the potential to represent a significant environmental liability to the subject property based on the nature of unknown and untested substances which comprise it.

No other significant environmental liabilities or off-site concerns affecting the subject property were detected. However, it must be noted that the intent of our environmental assessment and this report is to assist in understanding environmental concerns identified within the constraints of our proposal. This assessment was not designed to disclose the existence of potential environmental liabilities detectable only by more sophisticated methods. Although, if such liabilities exist, the assessment may have brought them to light as the *Scope of Work* performed would be considered appropriate for evaluating the subject site.

10. CONCLUSIONS

Environmental Operations, Inc. performed a Phase I Environmental Site Assessment on the Missouri S & T buildings located at 1001 Collegiate Boulevard in the City of Rolla, Phelps County, Missouri, in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Practice E 1527-13 and the *Scope of Work/Tasks* outlined in Environmental Operations, Inc.'s Proposal, and in compliance with Title 40 of the Code of Federal Regulations Part 312 (40 CFR Section 312). Any exceptions to or deletions from these practices are outlined in sections 2.3-2.5 of this report. This assessment revealed no evidence of *recognized environmental conditions* (as defined by ASTM Practice E 1527-13) in connection with the subject property, except for the following:

- In the Dangerous Materials Storage Facility (DMSF), a hydraulic hydraulic loading dock lift was noted at the building entrance. Staining was evident on the concrete underneath

the lift. According to subject site personnel, this concrete was installed within the last two (2) years. The lift is not original to the building, and though installation date is not known, it has been on site for estimated at least three (3) decades. The cylinders were also recently replaced on the lift. The current concrete staining would represent a de minimis condition, however, based on the likelihood that the lift was leaking prior to the concrete being in place, hydraulic fluid may be present in the soil under the lift. The likelihood of this fluid leaking for a prolonged period of time and its presence in the underlying soil in unknown quantities represents a recognized environmental condition (REC) to the subject property. Further investigation is recommended.

- In the mechanical room of the Facility Operations/General Services Building, an air compressor was discovered of unknown manufacture/install date. Staining was evident in the immediate vicinity of this air compressor. Though the air compressor appeared to be manufactured more recently than 1979 (the date which PCBs were banned from manufacture by the EPA), based on interviews with subject site personnel, an older air compressor previously occupied the same area and the staining may have been attributed to the operation of the older air compressor. The high likelihood of this staining being associated with the operation of an air compressor manufactured prior to 1979 and the released hydraulic oils associated with such machinery represents a recognized environmental condition (REC) to the subject property. Further investigation is recommended.
-
- An area of non-clean fill was noted in the northeastern portion of the subject property identified as the Outdoor Storage Area/Boneyard. According to information attained from site personnel, this fill is comprised of concrete, old brick, and unknown building materials, none of which has been tested. Based on the nature of unknown substances in this fill material, its presence on the subject property represents a recognized environmental condition (REC) to the subject property. Further investigation is recommended.

11. DEVIATIONS AND DATA GAP EVALUATION

No significant deviations from ASTM Standard Practice E 1527 - 13 were made in conducting an All Appropriate Inquiry for the above referenced property, except for the following:

- The previous owners were not available for interview at the time of this report; however, based on information obtained during this investigation, this would not be considered a significant data gap.

12. ADDITIONAL CONSIDERATIONS/BUSINESS ENVIRONMENTAL RISKS

This Phase I Environmental Site Assessment did not include assessments of other potential business environmental risks (suspect Asbestos Containing Materials, Lead-Based Paint, Mold, regulatory compliance issues, etc.). It should be noted that the purpose of this Phase I ESA was only to identify Recognized Environmental Conditions and the lack of identification of these business environmental risks does not categorically exclude the potential for these risks, but only indicates that during the course of this investigation, none of the conditions that would make the common business environmental risks identified in ASTM E1527-13 Section 13.1.5 were readily apparent.

However, during the completion of this Phase I Environmental Site Assessment, indications of the following *business environmental risks* were noted:

12.1 Asbestos Containing Materials (ACM)

Environmental Operations, Inc. is concurrently completing an asbestos survey which will be submitted under separate cover.

12.2 Lead-Based Paint

This Phase I Environmental Site Assessment did not include a LBP survey. However, based on the apparent age of the subject property buildings, LBP may be present. In order to further evaluate the potential liabilities associated with this material and its condition, a LBP survey performed by a certified lead-based paint inspector would be required.

13. REFERENCES

American Society for Testing and Materials
Designation: E 1527-13

"Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process"

City of Rolla
City Clerk
901 N Elm Street
Rolla, Missouri 65402

Environmental Data Resources, Inc.
"The EDR Aerial Photo Decades Package" years: 2016, 2012, 2009, 2006, 1995, 1992, 1983, 1976, 1964, 1962, 1959, and 1956

Environmental Data Resources, Inc.
"The EDR-City Directory Abstract" years: 2017, 2014, and 2010

Environmental Data Resources, Inc.
"The EDR-Radius Map with GeoCheck"

Environmental Data Resources, Inc.
"The EDR Topographic Map Report" years: 2017, 2015, 2004, 1992, 1985, 1980, 1976, 1963, 1951, and 1912

Phelps/Maries County Health Department
200 N Main Street
Rolla, Missouri 65401

Sanborn Fire Insurance Maps (EDR): No Coverage

United States Environmental Protection Agency
<http://www.epa.gov/enviro/>

14. SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in 40 CFR Section 312.10 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Site Assessor



Julie Gibbs-Alley
Program Manager - Due Diligence and Compliance Services

15. QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

JULIE GIBBS-ALLEY
ENVIRONMENTAL SCIENTIST
ENVIRONMENTAL OPERATIONS, INC.

Southern Illinois University of Edwardsville
BS- Biology 2005
Southern Illinois University of Edwardsville
MS-Environmental Science 2008

PROFESSIONAL CERTIFICATIONS:

- 40-Hour OSHA HAZWOPER
- Asbestos Building Inspector
- Certified SWPPP Inspector
- Special Inspector for Major Land Disturbances (St. Louis County)
- Radon Measurement Licensure
- Certified Inspector for Geo-Seal Vapor Intrusion Barrier
- Certified in Official EPA Methods 9 and 22 (Opacity Readings)

PROFILE:

Ms. Gibbs-Alley has served as an Environmental Scientist at Environmental Operations, Inc. since May 2008. Ms. Gibbs-Alley currently conducts various scopes of work relating to environmental due diligence including completion of Phase I ESAs, Vapor Encroachment evaluation, and transaction screens. She is certified as a SWPPP inspector for St. Louis County and also possesses stormwater sampling skills. Ms. Gibbs-Alley is also a certified inspector for the installation of vapor intrusion barriers.

EXPERTISE:

Ms. Gibbs-Alley specializes in the analysis of environmental issues affecting properties in accordance with ASTM standards for conducting environmental site assessments. This entails:

- Inspection of real estate for evidence of asbestos containing materials (ACMs), polychlorinated biphenyls (PCBs), hazardous materials, petroleum products, aboveground storage tanks (ASTs), underground storage tanks (USTs), and air and water emissions.
- Communicating with clients regarding their desired scope of work, as well as explaining findings and conclusions, and discussing recommendations for additional investigations to reduce potential environmental liabilities.
- Reviewing previous environmental studies including Phase I ESAs, Phase II sampling and analysis, and Phase III remediation activities.
- Review and analysis of site history, regulatory databases, site physical setting, and federal, state, and local regulatory agency files.
- Design and management of Phase II sampling and analysis projects based on Phase I findings to qualify potential contaminants and to quantify the vertical and lateral extent of contamination.

RELEVANT EXPERIENCE:

Ms. Gibbs-Alley has completed Phase I ESAs, Phase II Subsurface Investigations, and Soil and Groundwater Remediation Projects on various types of properties, stormwater and non-stormwater sampling, and continually corresponds with regulatory agencies and clientele. Project involvement and management have been performed on various types of properties across the United States, including:

- Agricultural land
- Automotive Maintenance facilities
- Manufacturing plants
- Residential properties
- Retail Shopping Centers

- Commercial offices
- for a variety of clients, including:
- Commercial Real Estate
 - REITS
 - National Food Service Corporations
 - National Financial Institutions
 - Wildlife Preservation Groups
 - Construction Firms
 - Regional Development Authorities
 - Churches/Charitable Organizations

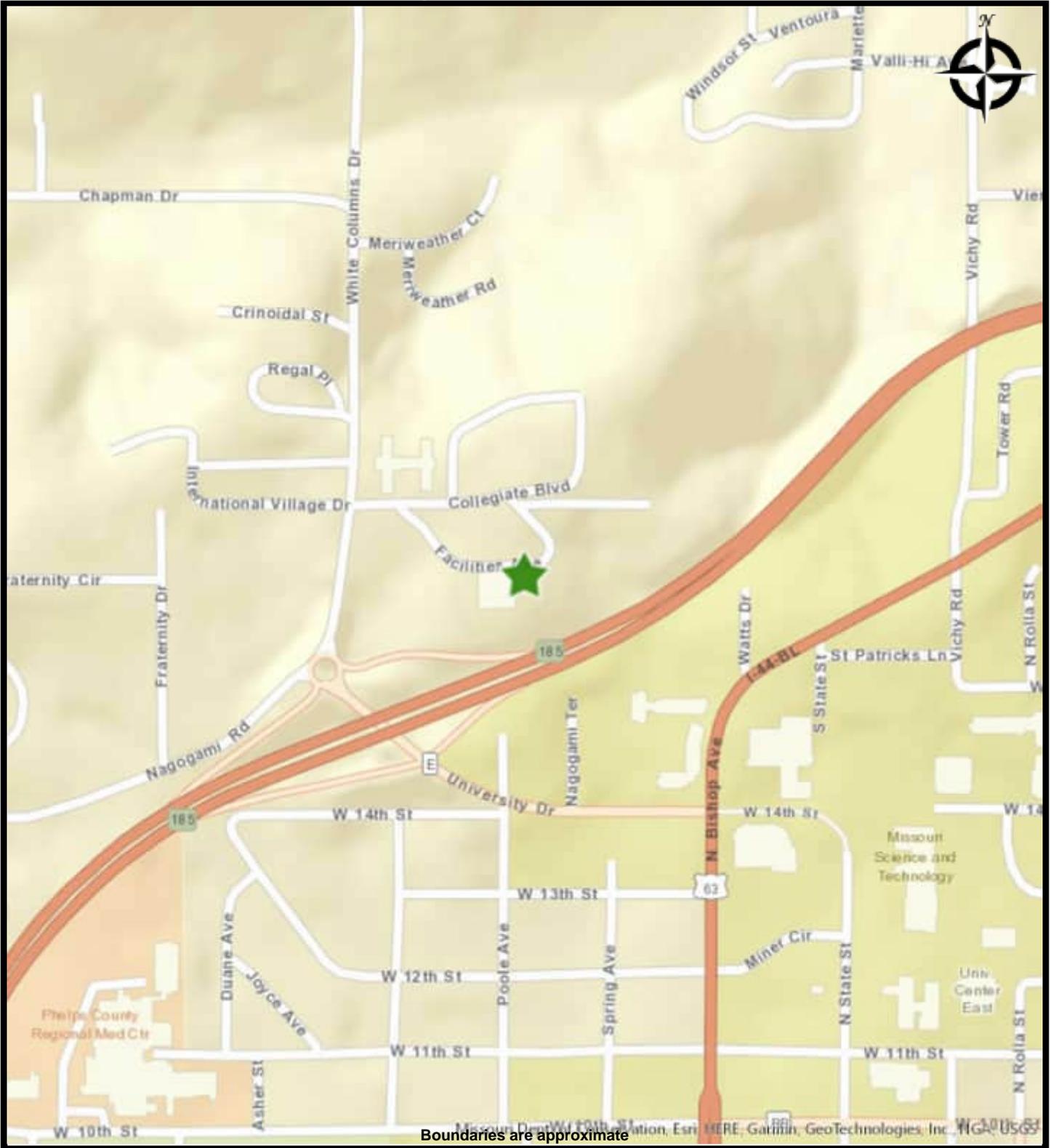
SunCoke Energy, Granite City, Illinois

Weekly, monthly, and quarterly opacity readings from smoke stack and related equipment

Love's Travel Stops and Country Stores, St. Louis, Missouri

Quarterly and Annual Inspections and Completion of Reports for BMPs under MSD requirements

Appendix 16.1
Site Vicinity Map



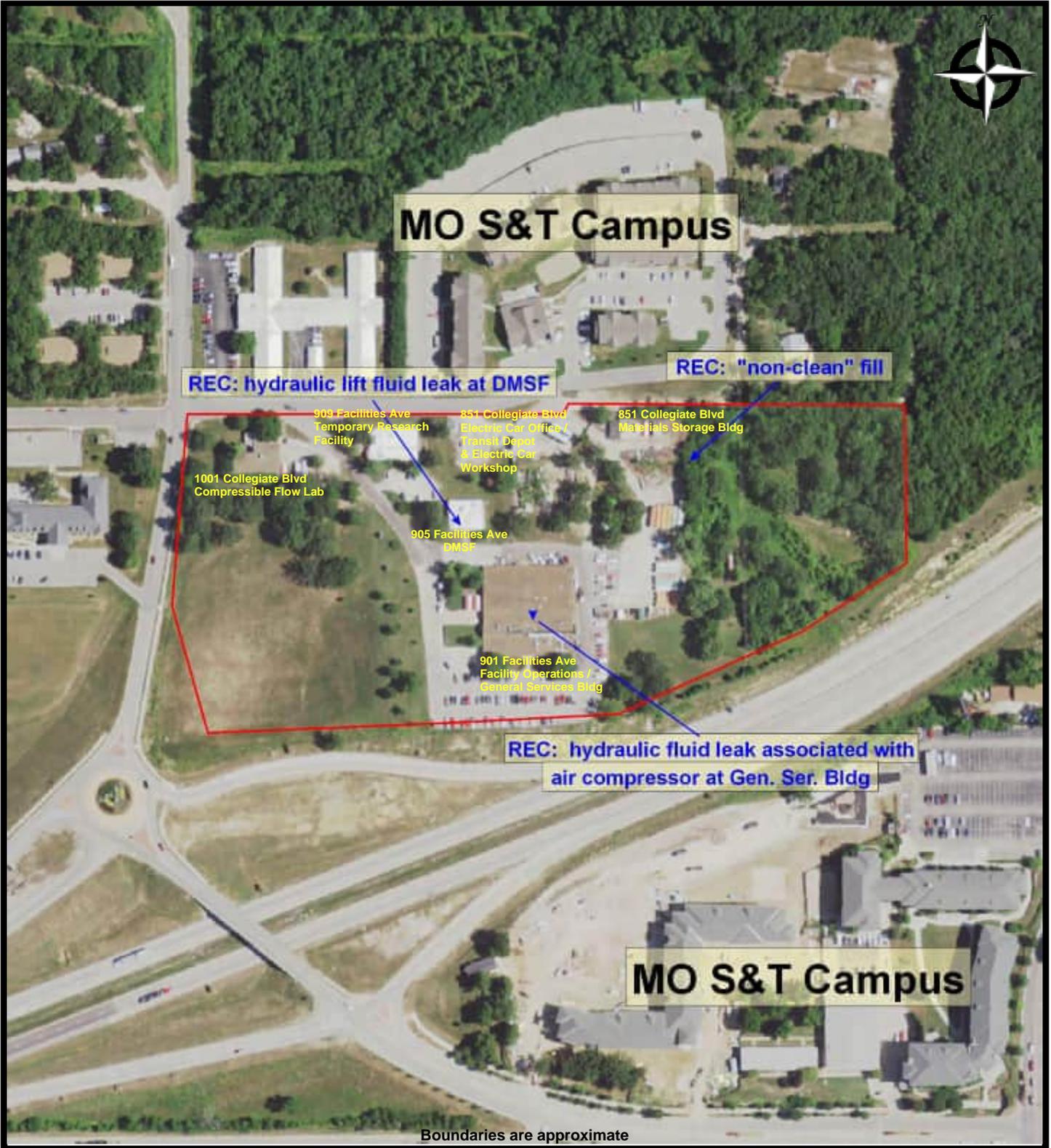
SITE VICINITY MAP
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Alexandria Algieri

DATE: 7/6/2022
PROJ. #: 22494

Appendix 16.2

Site Plan



SITE PLAN
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494

Appendix 16.3
Site Photographs



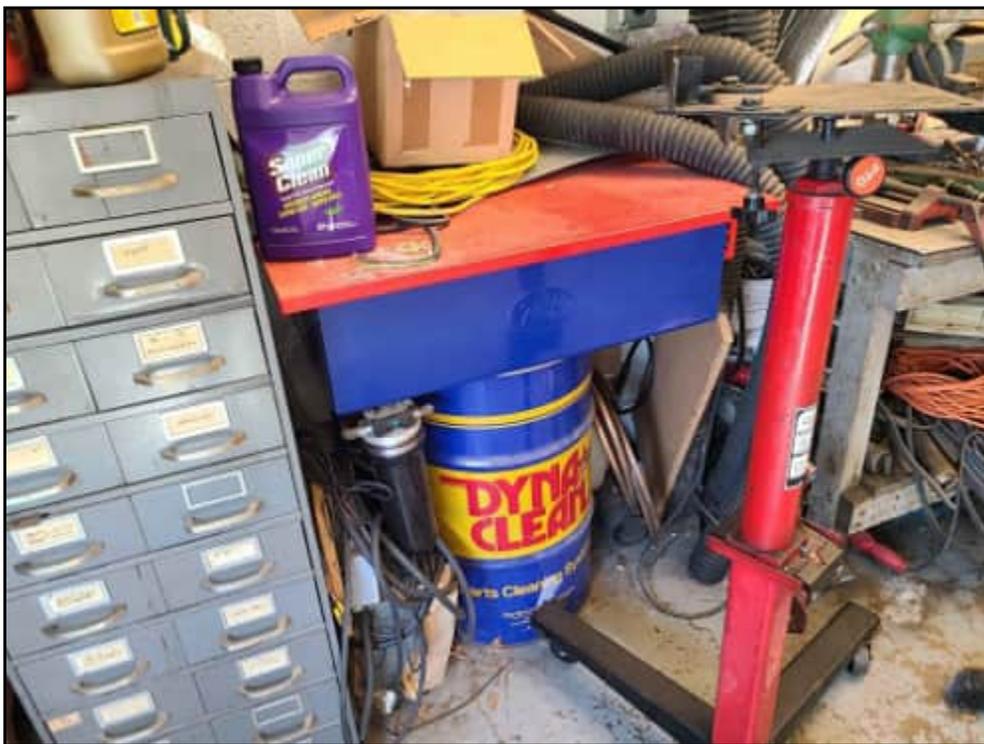
View of Facility Operations-General Services Building exterior bay doors



View of Facility Operations-General Services Building interior (1) auto maintenance shop



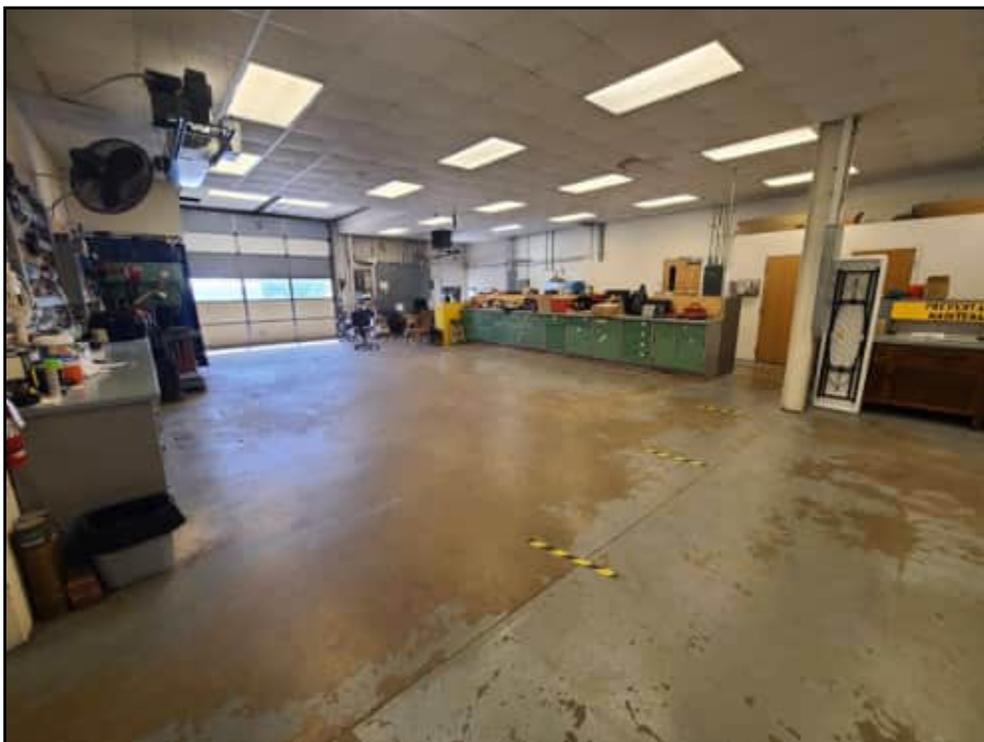
View of Facility Operations-General Services Building interior (2) auto maintenance shop



View of Facility Operations-General Services Building interior (3) auto maintenance shop



View of Facility Operations-General Services Building interior (4) auto maintenance shop



View of Facility Operations-General Services Building interior (5)



View of Facility Operations-General Services Building interior (6)



View of Facility Operations-General Services Building interior (7)



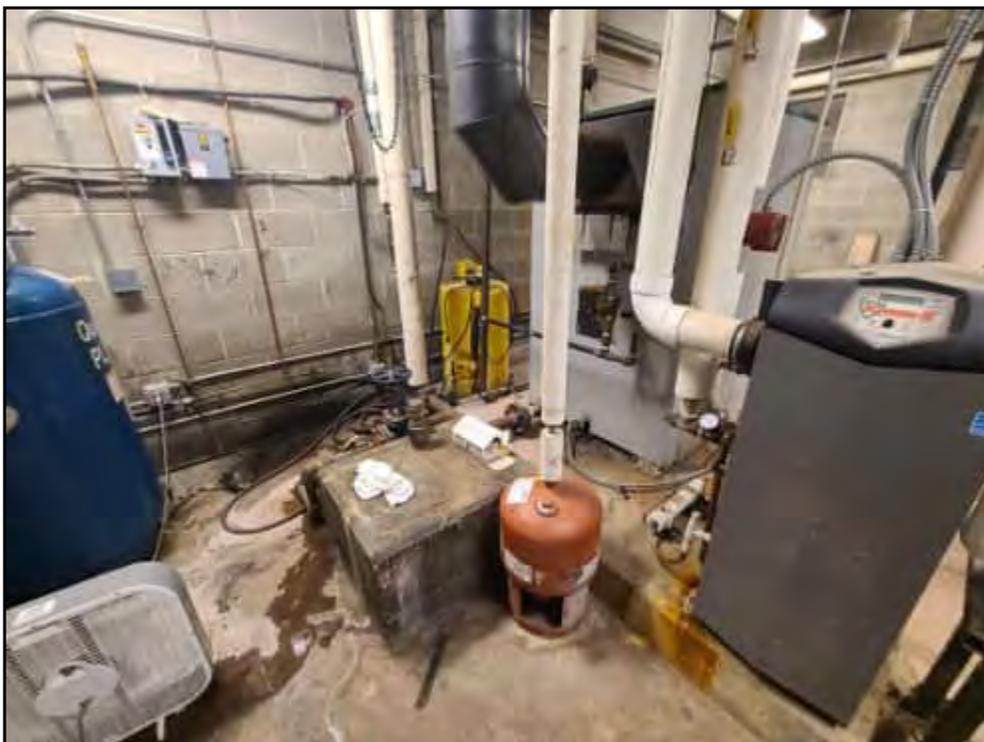
View of Facility Operations-General Services Building interior (8) air compressor



View of Facility Operations-General Services Building interior (8) air compressor staining



View of Facility Operations-General Services Building interior (9)



View of Facility Operations-General Services Building interior (10)



View of Facility Operations-General Services Building interior (11) steam condensate tank



View of Facility Operations-General Services Building interior (12)



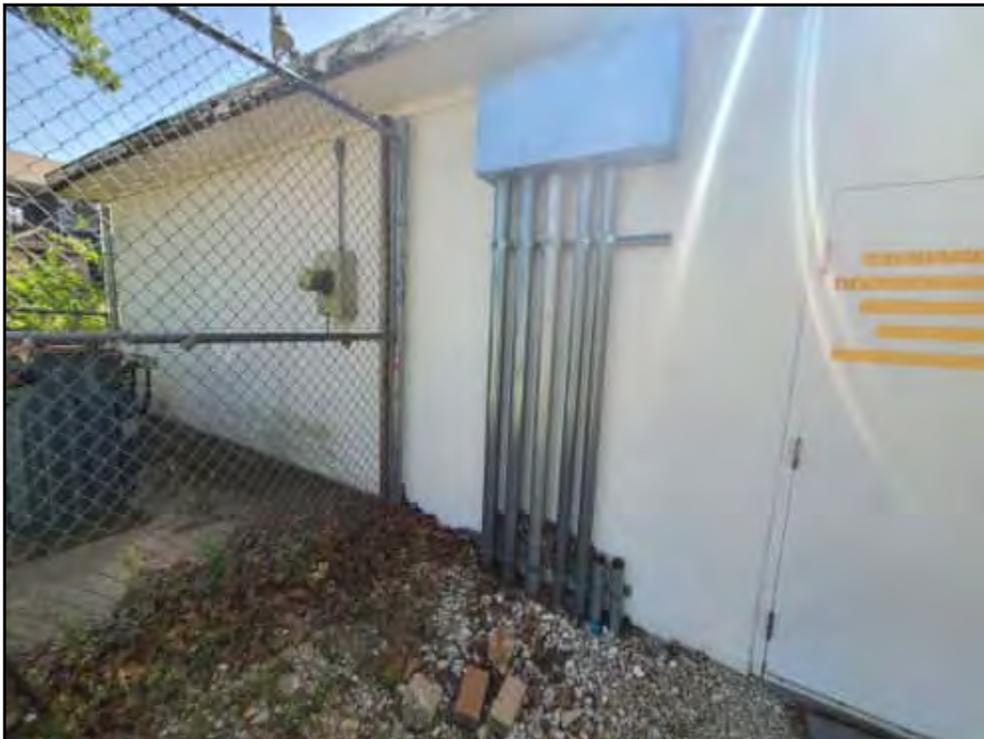
View of Facility Operations-General Services Building interior (13)



View of Facility Operations-General Services Building interior (14)



View of Facility Operations-General Services Building interior (15)



View of Materials Storage Building exterior



View of Materials Storage Building - outdoor transformers



View of Materials Storage Building interior (1)



View of Materials Storage Building interior (2)



View of Materials Storage Building interior (3)



View of Materials Storage Building interior (4)



View of Materials Storage Building interior (5)



View of Materials Storage Building interior (6)



View of Materials Storage Building interior (7)



View of Temporary Research Facility exterior



View of Temporary Research Facility interior (1)



View of Temporary Research Facility interior (2)



View of Temporary Research Facility interior (3)



View of Temporary Research Facility interior (4)



View of Temporary Research Facility interior (5)



View of Temporary Research Facility interior (6)



View of Temporary Research Facility interior (7)



View of Electric Car Workshop exterior



View of Electric Car Workshop exterior (2) electric pumps



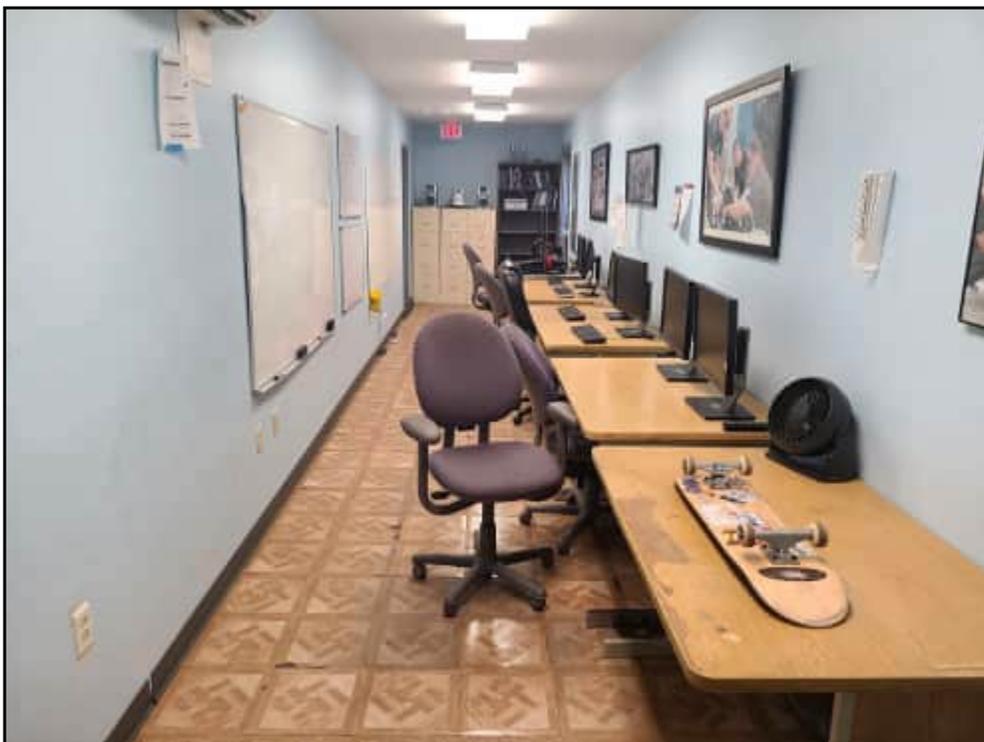
View of Electric Car Workshop interior (1)



View of Electric Car Workshop interior (2)



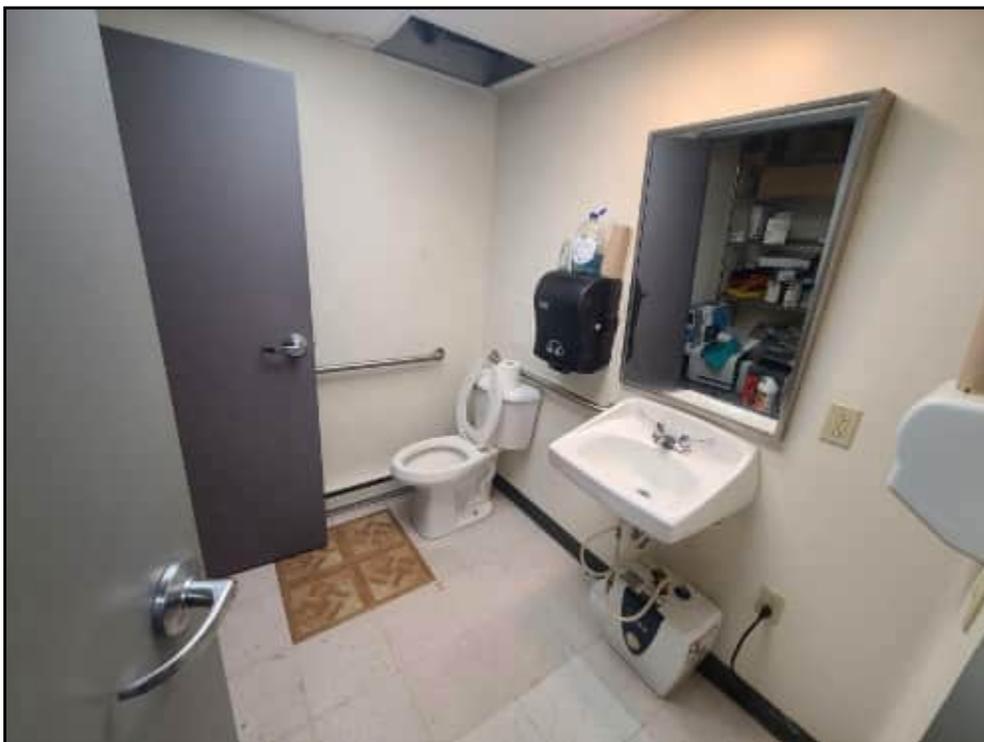
View of Electric Car Office - Transit Depot exterior



View of Electric Car Office - Transit Depot interior (1)



View of Electric Car Office - Transit Depot interior (2)



View of Electric Car Office - Transit Depot interior (3)



View of Electric Car Office - Transit Depot interior (4)



View of decommissioned Hydrogen Storage Area (1)



View of decommissioned Hydrogen Storage Area (2)



View of decommissioned Hydrogen Storage Area (3)



View of decommissioned Hydrogen Storage Area (4) hydrogen pumps



View of Dangerous Materials Storage Facility (DMSF) exterior



View of Dangerous Materials Storage Facility (DMSF) outdoor covered empty drum storage area



View of Dangerous Materials Storage Facility (DMSF) outdoor loading dock hydraulic lift



View of Dangerous Materials Storage Facility (DMSF) interior (1)



View of Dangerous Materials Storage Facility (DMSF) interior (2)



View of Dangerous Materials Storage Facility (DMSF) interior (3)



View of Dangerous Materials Storage Facility (DMSF) interior (4)



View of Dangerous Materials Storage Facility (DMSF) interior (5)



View of Dangerous Materials Storage Facility (DMSF) interior (6)



View of Dangerous Materials Storage Facility (DMSF) interior (7)



View of Compressible Flow Lab exterior (1)



View of Compressible Flow Lab exterior (2) AST



View of Compressible Flow Lab exterior (3)



View of Compressible Flow Lab interior (1)



View of Compressible Flow Lab interior (2)



View of Compressible Flow Lab interior (3)



View of Compressible Flow Lab interior (4)



View of Compressible Flow Lab interior (5)



View of Compressible Flow Lab interior (6)



View of Compressible Flow Lab interior (7)



View of Compressible Flow Lab interior (8)



View of Compressible Flow Lab interior (9)



View of Compressible Flow Lab interior (10)



View of decommissioned AST (1)



View of decommissioned AST (2)



View of decommissioned AST (3)



View of outdoor bone yard storage area (1)



View of outdoor bone yard storage area (2)



View of outdoor bone yard storage area (3)



View of outdoor bone yard storage area (4)



View of outdoor bone yard storage area (5)



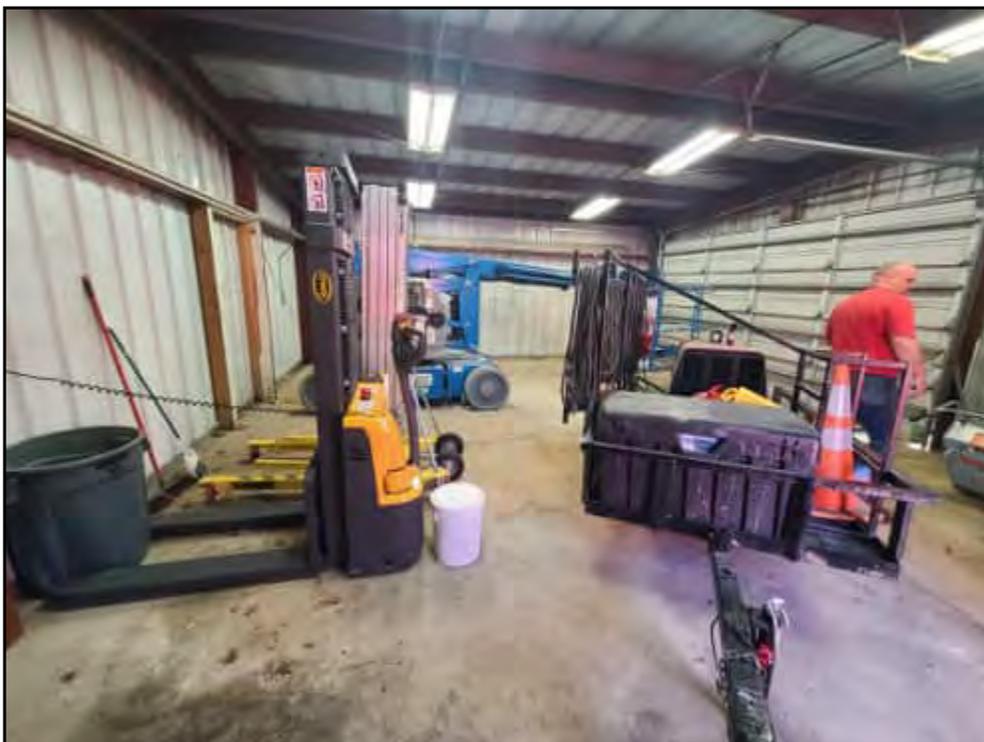
View of outdoor bone yard storage area (6)



View of outdoor bone yard storage area (7)



View of outdoor bone yard storage area (8)



View of outdoor bone yard storage area (9) shed interior (1)



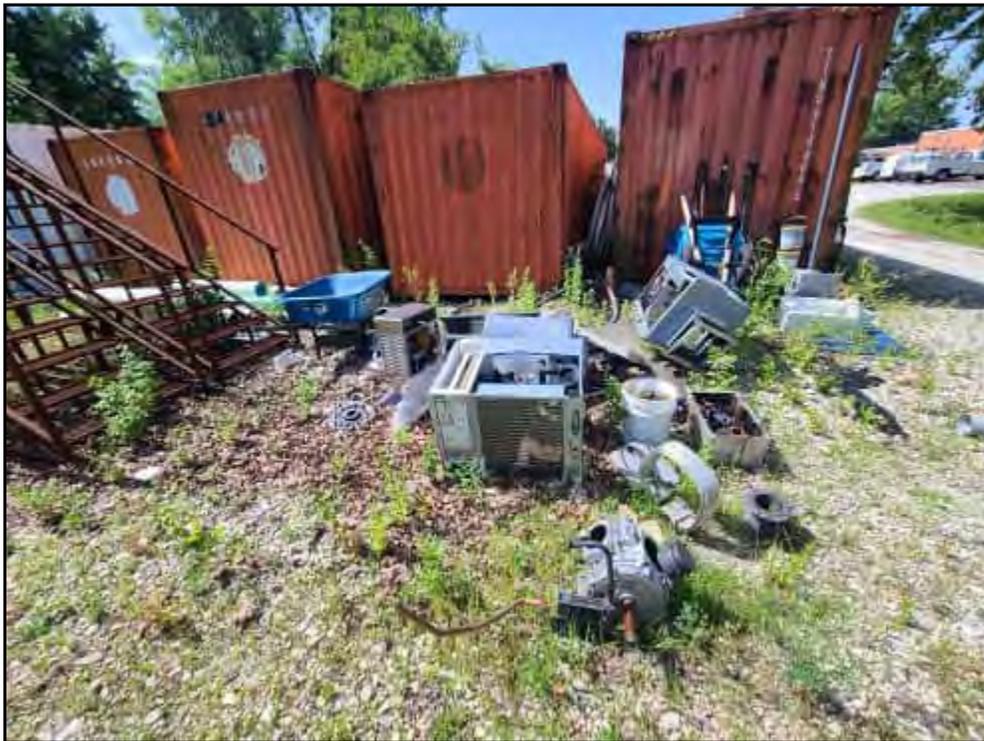
View of outdoor bone yard storage area (9) shed interior (2)



View of outdoor bone yard storage area (9) shed



View of outdoor bone yard storage area (10)



View of outdoor bone yard storage area (11)



View of outdoor bone yard storage area (12)



View of outdoor bone yard storage area (13)



View of outdoor bone yard storage area (14)



View of outdoor bone yard storage area (15)



View of outdoor bone yard storage area (16) leaking transformer



View of outdoor bone yard storage area (17) leaking transformer



View of outdoor bone yard storage area (18) leaking transformer



View of outdoor bone yard storage area (19) leaking transformer



View of outdoor bone yard storage area (20)



View of outdoor bone yard storage area (21)



View of outdoor bone yard storage area (22)



View of undeveloped portion of subject property

Appendix 16.4

Fire Insurance Maps

Missouri S & T Buildings
1001 Collegiate Boulevard
Rolla, MO 65401

Inquiry Number: 6993336.3

May 25, 2022

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

05/25/22

Site Name:

Missouri S & T Buildings
1001 Collegiate Boulevard
Rolla, MO 65401
EDR Inquiry # 6993336.3

Client Name:

Environmental Operations, Inc.
7733 Forsyth Boulevard
Clayton, MO 63105
Contact: Alexandria Algieri



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Environmental Operations, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 2FB1-4BB3-8173
PO # NA
Project 22494

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 2FB1-4BB3-8173

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- Library of Congress
- University Publications of America
- EDR Private Collection

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Appendix 16.5
Aerial Photographs



Boundaries are approximate



AERIAL - 2016
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate



AERIAL - 2012
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate



AERIAL - 2009
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate



**Environmental
Operations, Inc.**
CLEARING THE WAY

AERIAL - 2006
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate



AERIAL - 1995
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate



AERIAL - 1983
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
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DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate



**Environmental
Operations, Inc.**
CLEARING THE WAY

AERIAL - 1976
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
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Boundaries are approximate



**Environmental
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AERIAL - 1964
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

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PROJ. #: 22494



Boundaries are approximate



**Environmental
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AERIAL - 1962
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

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PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate



**Environmental
Operations, Inc.**
CLEARING THE WAY

AERIAL - 1959
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

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PROJ. #: 22494



Boundaries are approximate



**Environmental
Operations, Inc.**
CLEARING THE WAY

AERIAL - 1956
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494

Appendix 16.6

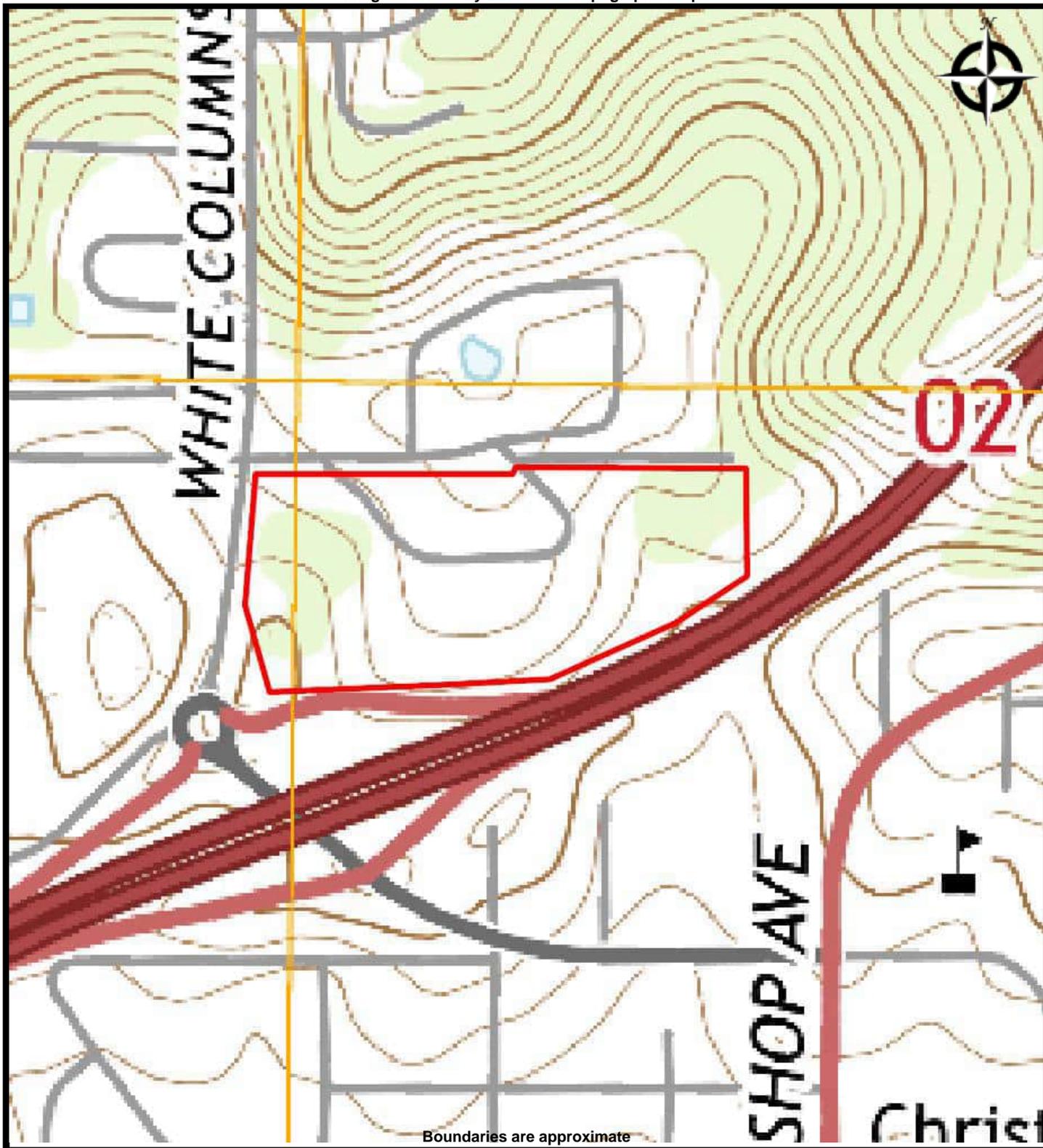
Historic Topographic Maps



TOPO MAP - 2017
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



TOPO MAP - 2015
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate

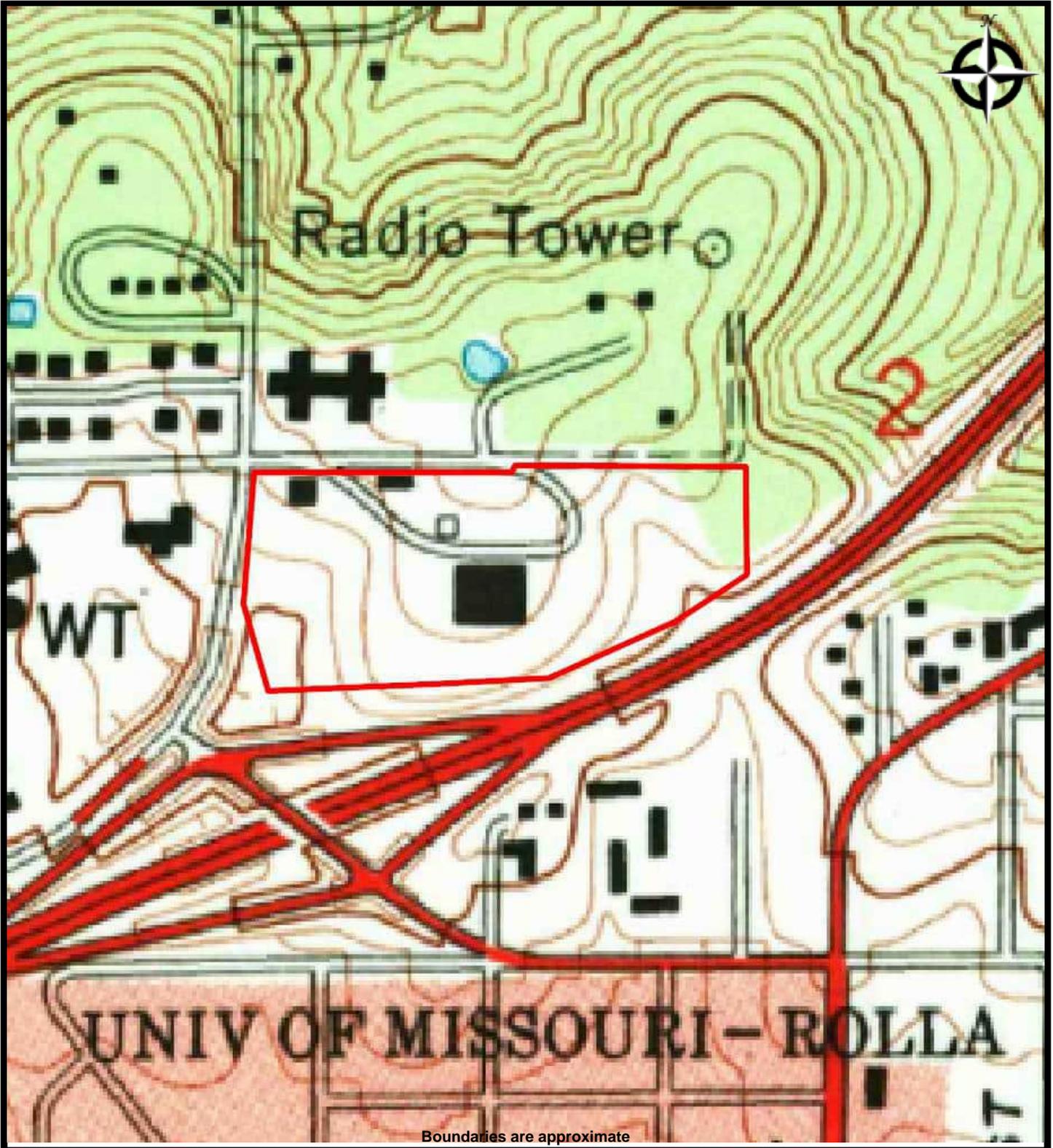


**Environmental
Operations, Inc.**
CLEARING THE WAY

TOPO MAP - 2004
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate



**Environmental
Operations, Inc.**
CLEARING THE WAY

TOPO MAP - 1992
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

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PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate



**Environmental
Operations, Inc.**
CLEARING THE WAY

TOPO MAP - 1985
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate

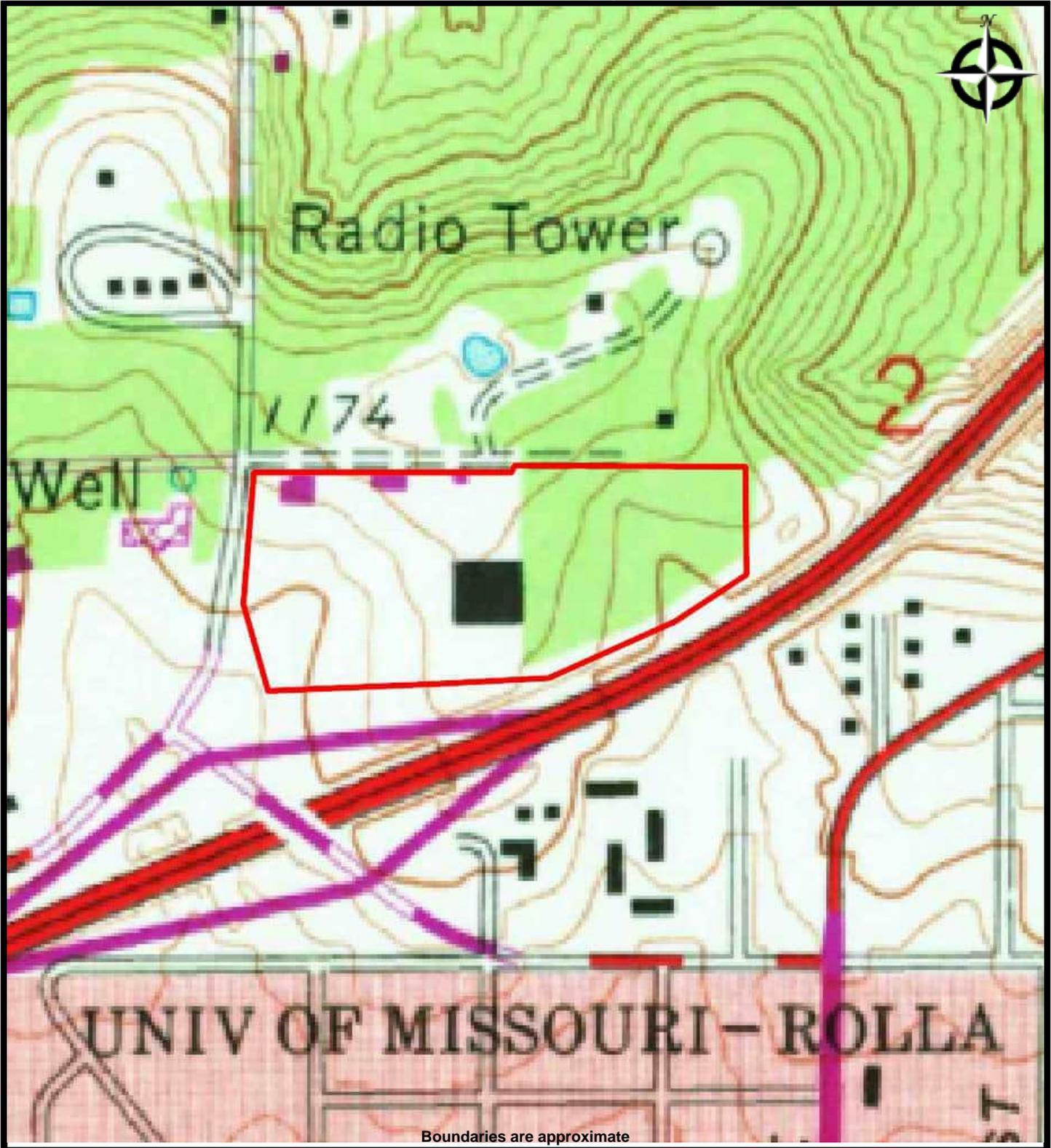


**Environmental
Operations, Inc.**
CLEARING THE WAY

TOPO MAP - 1980
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

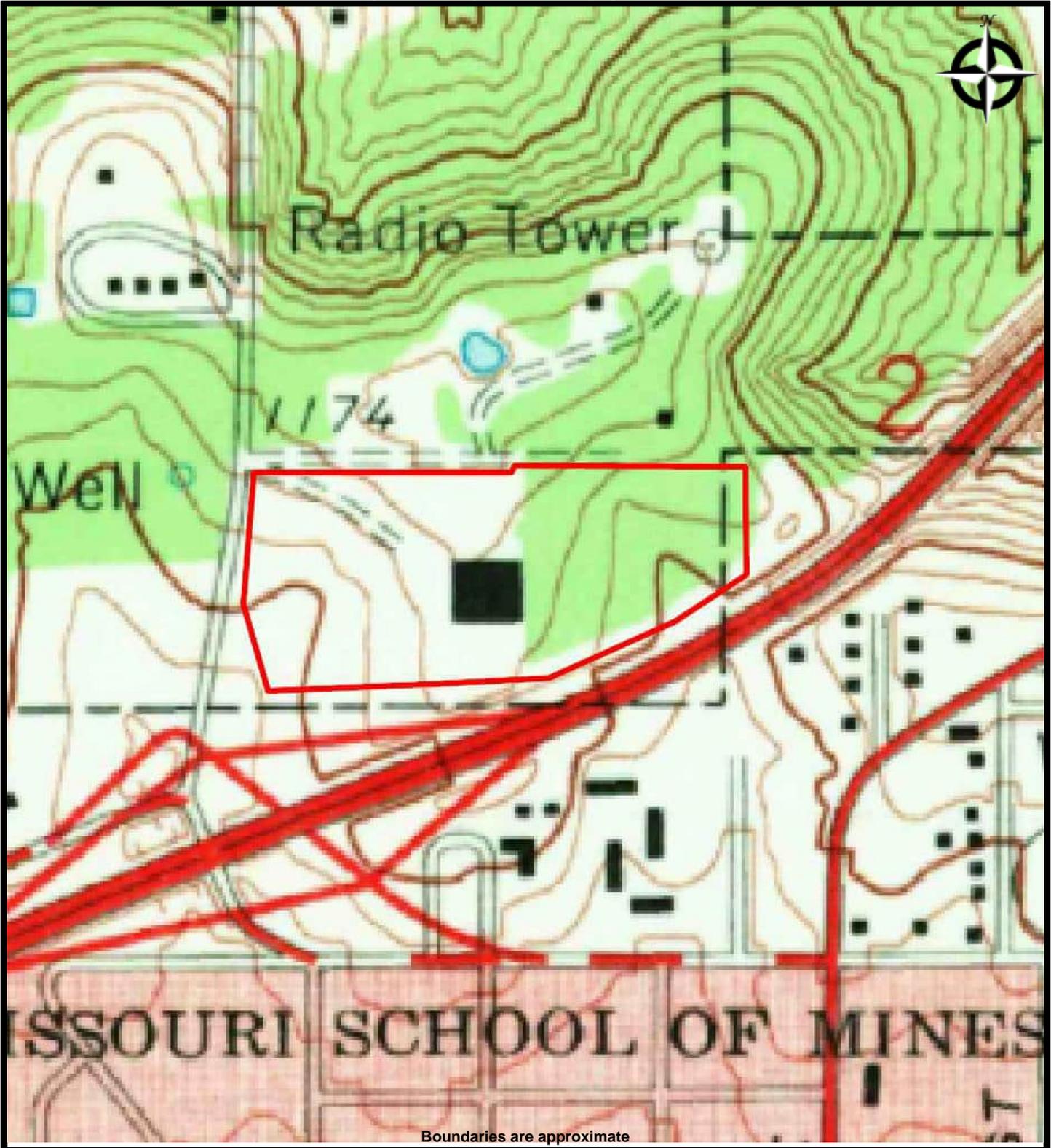
DATE: 6/17/2022
PROJ. #: 22494



TOPO MAP - 1976
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

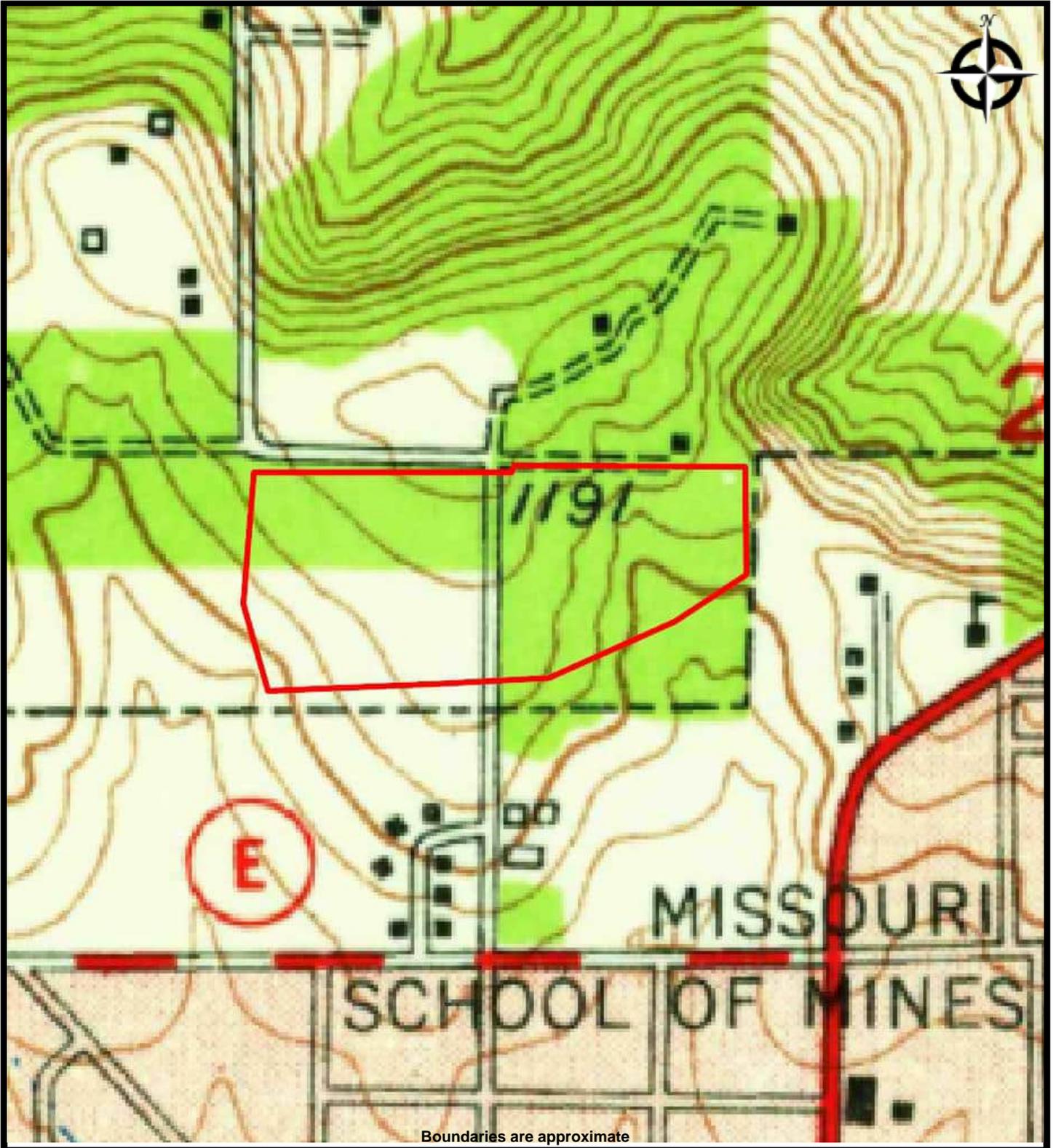
DATE: 6/17/2022
PROJ. #: 22494



TOPO MAP - 1963
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

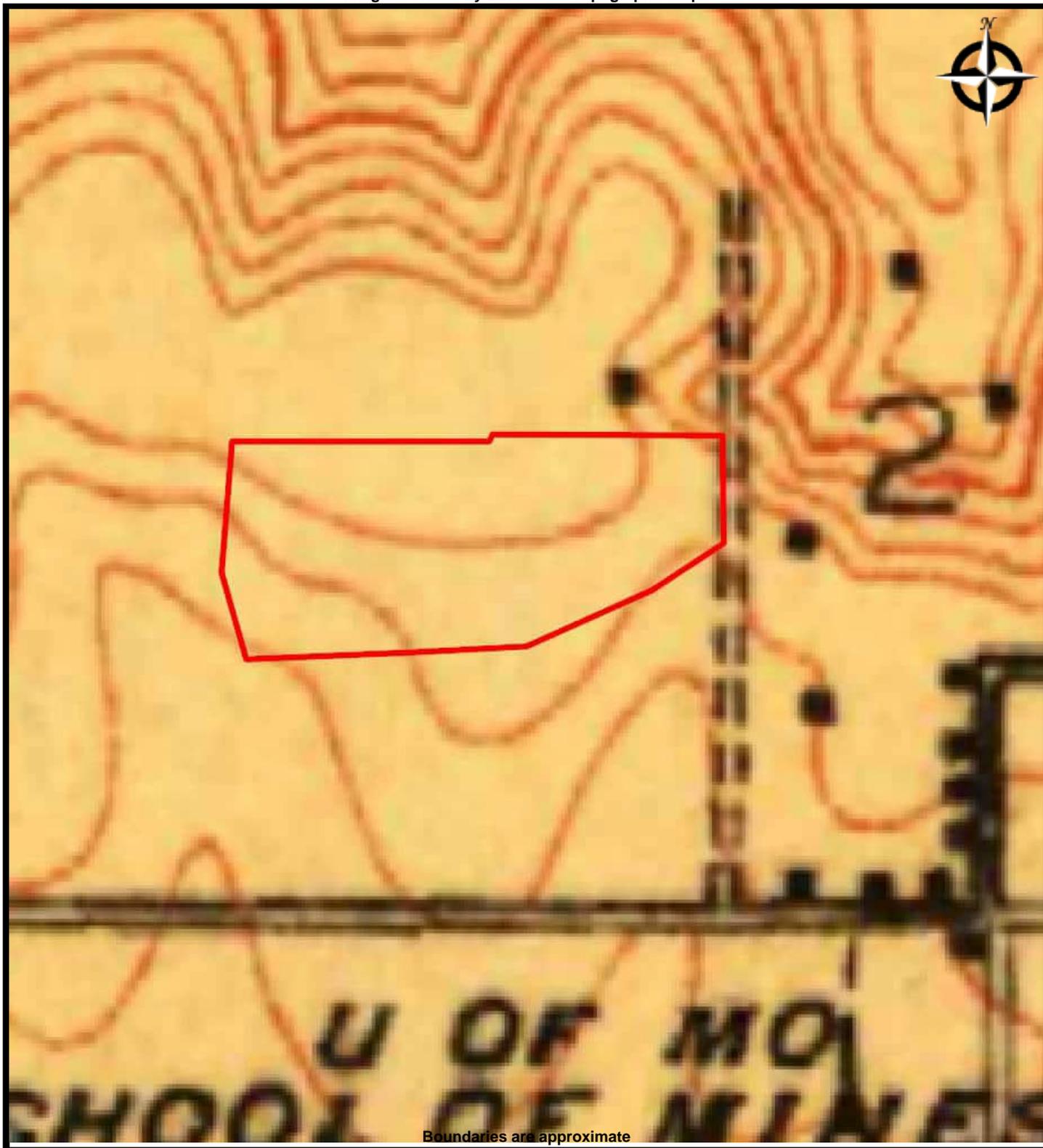
DATE: 6/17/2022
PROJ. #: 22494



TOPO MAP - 1951
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate



**Environmental
Operations, Inc.**
CLEARING THE WAY

TOPO MAP - 1912
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494

Appendix 16.7

Regulatory Database

Missouri S & T Buildings

1001 Collegiate Boulevard
Rolla, MO 65401

Inquiry Number: 06993336.2r

May 24, 2022

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1001 COLLEGIATE BOULEVARD
ROLLA, MO 65401

COORDINATES

Latitude (North): 37.9579230 - 37° 57' 28.52"
Longitude (West): 91.7798820 - 91° 46' 47.57"
Universal Transverse Mercator: Zone 15
UTM X (Meters): 607188.9
UTM Y (Meters): 4201643.0
Elevation: 1183 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 10333036 ROLLA, MO
Version Date: 2017

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140729
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 1001 COLLEGIATE BOULEVARD
 ROLLA, MO 65401

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|---------------------|----------------------|----------------------|---|--------------------|-------------------------------|
| 1 | MISSOURI UNIVERSITY | 905 FACILITIES AVE | SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, 2020 | Higher | 1 ft. |
| A2 | BM-ROLLA RESEARCH CE | 900 W 14TH ST | SEMS-ARCHIVE | Lower | 714, 0.135, South |
| A3 | U S B M ROLLA RESEAR | 900 W 14TH ST | RCRA NonGen / NLR | Lower | 714, 0.135, South |
| 4 | USA #1 STOP | 1601 N BISHOP AVE | UST | Lower | 801, 0.152, East |
| B5 | THOMAS JEFFERSON RES | BISHOP AVE. AND VICH | UST | Lower | 1260, 0.239, East |
| C6 | ROLLA RESEARCH CENTE | 1300 NORTH BISHOP AV | SMARS | Lower | 1383, 0.262, SSE |
| C7 | BUREAU OF MINES | 1300 N BISHOP AVE, B | RGA LUST | Lower | 1383, 0.262, SSE |
| C8 | BUREAU OF MINES | 1300 N BISHOP AVE, B | LUST, UST, ASBESTOS | Lower | 1383, 0.262, SSE |
| C9 | ROLLA RESEARCH CENTE | 1300 NORTH BISHOP AV | VCP | Lower | 1383, 0.262, SSE |
| C10 | BUREAU OF MINES | 1300 N BISHOP ST, BU | RGA LUST | Lower | 1383, 0.262, SSE |
| B11 | MOBILE ON THE RUN #1 | 1710 N BISHOP | RGA LUST | Higher | 1475, 0.279, East |
| B12 | #120 ROLLA-MOBIL | 1710 N BISHOP | RGA LUST | Higher | 1475, 0.279, East |
| B13 | MOBILE ON THE RUN #1 | 1710 N BISHOP | LUST, UST | Higher | 1475, 0.279, East |
| B14 | ROLLA PUMP HANDLE | 1710 N BISHOP | RGA LUST | Higher | 1475, 0.279, East |
| 15 | MISSOURI UNIVERSITY | 101 GENERAL SERVICES | LAST, UST | Lower | 1853, 0.351, SE |
| D16 | #520 SMITH 66 | 1002 N BISHOP | RGA LUST | Lower | 2028, 0.384, SSE |
| D17 | #520 SMITH 66 | 1002 N BISHOP | LUST, UST | Lower | 2028, 0.384, SSE |
| E18 | STEWART APARTMENTS | TENTH AND STATE STRE | LUST, UST | Lower | 2406, 0.456, SSE |
| E19 | STEWART APARTMENTS | TENTH & STATE STREET | RGA LUST | Lower | 2406, 0.456, SSE |

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Lists of Federal RCRA generators

RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal hazardous waste facilities

SHWS..... Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Permitted Facility List

Lists of state and tribal leaking storage tanks

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
AST..... Aboveground Petroleum Storage Tanks
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

AUL..... Sites with Controls

Lists of state and tribal brownfield sites

BROWNFIELDS..... Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF..... Solid Waste Facility Database List
SWRCY..... Solid Waste Recycling Facilities
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

CDL..... Environmental Emergency Response System
DEL SHWS..... Registry Sites Withdrawn or Deleted
PFAS..... PFAS Detections

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Environmental Response Tracking Database

Other Ascertainable Records

US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
ROD..... Records Of Decision
RMP..... Risk Management Plans
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
CONSENT..... Superfund (CERCLA) Consent Decrees
FUSRAP..... Formerly Utilized Sites Remedial Action Program

EXECUTIVE SUMMARY

| | |
|--------------------------|--|
| LEAD SMELTERS..... | Lead Smelter Sites |
| US AIRS..... | Aerometric Information Retrieval System Facility Subsystem |
| ABANDONED MINES..... | Abandoned Mines |
| FINDS..... | Facility Index System/Facility Registry System |
| DOCKET HWC..... | Hazardous Waste Compliance Docket Listing |
| ECHO..... | Enforcement & Compliance History Information |
| UXO..... | Unexploded Ordnance Sites |
| FUELS PROGRAM..... | EPA Fuels Program Registered Listing |
| AIRS..... | Permit Facility Listing |
| ASBESTOS..... | Asbestos Notification Listing |
| COAL ASH..... | Coal Ash Disposal Sites |
| DRYCLEANERS..... | Drycleaners in Missouri Listing |
| Financial Assurance..... | Financial Assurance Information Listing |
| MINES..... | Industrial Mineral Mines Database |
| NPDES..... | Permitted Facility Listing |
| MO RRC..... | Certified Hazardous Waste Resource Recovery Facilities |
| UIC..... | Underground Injection Wells Database |
| MINES MRDS..... | Mineral Resources Data System |

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

| | |
|--------------|--|
| RGA HWS..... | Recovered Government Archive State Hazardous Waste Facilities List |
| RGA LF..... | Recovered Government Archive Solid Waste Facilities List |

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for

EXECUTIVE SUMMARY

listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 01/25/2022 has revealed that there are 2 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|---------------------------|-----------------------------|---------------|-------------|
| MISSOURI UNIVERSITY Site ID: 0702550 EPA Id: MOD000677773 | 905 FACILITIES AVE | 0 - 1/8 (0.000 mi.) | 1 | 7 |

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|----------------|-----------------------------|---------------|-------------|
| BM-ROLLA RESEARCH CE Site ID: 0703485 EPA Id: MOSFN0703485 | 900 W 14TH ST | S 1/8 - 1/4 (0.135 mi.) | A2 | 330 |

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 02/28/2022 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|---------------------------|-----------------------------|---------------|-------------|
| MISSOURI UNIVERSITY EPA ID:: MOD000677773 | 905 FACILITIES AVE | 0 - 1/8 (0.000 mi.) | 1 | 7 |

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 02/28/2022 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|---------------------------|-----------------------------|---------------|-------------|
| MISSOURI UNIVERSITY EPA ID:: MOD000677773 | 905 FACILITIES AVE | 0 - 1/8 (0.000 mi.) | 1 | 7 |

EXECUTIVE SUMMARY

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 02/28/2022 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|---------------------------|-----------------------------|---------------|-------------|
| MISSOURI UNIVERSITY EPA ID:: MOD000677773 | 905 FACILITIES AVE | 0 - 1/8 (0.000 mi.) | 1 | 7 |

Lists of state and tribal leaking storage tanks

LAST: A listing of leaking aboveground storage tanks.

A review of the LAST list, as provided by EDR, and dated 11/29/2021 has revealed that there is 1 LAST site within approximately 0.5 miles of the target property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|-----------------------------|---------------------------------|---------------|-------------|
| MISSOURI UNIVERSITY Facility Id: ST0005229 Date Of NFA Letter From DNR: 2007-08-08 00:00:00 | 101 GENERAL SERVICES | SE 1/4 - 1/2 (0.351 mi.) | 15 | 360 |

LUST: Leaking Underground Storage Tanks.

A review of the LUST list, as provided by EDR, and dated 11/29/2021 has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|-----------------------------|----------------------------------|---------------|-------------|
| MOBILE ON THE RUN #1 Facility Id: ST0013606 | 1710 N BISHOP | E 1/4 - 1/2 (0.279 mi.) | B13 | 349 |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| BUREAU OF MINES Facility Id: ST5800500 Date Of NFA Letter From DNR: 1998-04-14 00:00:00 | 1300 N BISHOP AVE, B | SSE 1/4 - 1/2 (0.262 mi.) | C8 | 344 |
| #520 SMITH 66 Facility Id: ST0011042 Date Of NFA Letter From DNR: 2004-12-07 00:00:00 | 1002 N BISHOP | SSE 1/4 - 1/2 (0.384 mi.) | D17 | 374 |
| STEWART APARTMENTS Facility Id: ST5800714 Date Of NFA Letter From DNR: 1994-12-20 00:00:00 | TENTH AND STATE STRE | SSE 1/4 - 1/2 (0.456 mi.) | E18 | 389 |

EXECUTIVE SUMMARY

Lists of state and tribal registered storage tanks

UST: Underground Storage Tank Information.

A review of the UST list, as provided by EDR, and dated 11/29/2021 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|----------------------|-----------------------------|---------------|-------------|
| USA #1 STOP Facility Id: ST0011082 Tank Status: Removed | 1601 N BISHOP AVE | E 1/8 - 1/4 (0.152 mi.) | 4 | 335 |
| THOMAS JEFFERSON RES Facility Id: ST0009351 Tank Status: Removed | BISHOP AVE. AND VICH | E 1/8 - 1/4 (0.239 mi.) | B5 | 342 |

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Site Listing.

A review of the VCP list, as provided by EDR, and dated 02/07/2022 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|----------------------|-----------------------------|---------------|-------------|
| ROLLA RESEARCH CENTE Facility Status: Cert. of Completion Issued | 1300 NORTH BISHOP AV | SSE 1/4 - 1/2 (0.262 mi.) | C9 | 348 |

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 02/28/2022 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|----------------|-----------------------------|---------------|-------------|
| U S B M ROLLA RESEAR EPA ID:: MOP000014738 | 900 W 14TH ST | S 1/8 - 1/4 (0.135 mi.) | A3 | 332 |

EXECUTIVE SUMMARY

2020 COR ACTION: The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

A review of the 2020 COR ACTION list, as provided by EDR, and dated 09/30/2017 has revealed that there is 1 2020 COR ACTION site within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|---------------------------|-----------------------------|---------------|-------------|
| MISSOURI UNIVERSITY EPA ID:: MOD000677773 | 905 FACILITIES AVE | 0 - 1/8 (0.000 mi.) | 1 | 7 |

SMARS: SMARS currently houses information for Superfund, Federal Facility, Brownfields Voluntary Cleanup Program and Missouri's other state response programs.

A review of the SMARS list, as provided by EDR, and dated 01/03/2022 has revealed that there is 1 SMARS site within approximately 0.5 miles of the target property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|------------------------|----------------------|-----------------------------|---------------|-------------|
| ROLLA RESEARCH CENTE | 1300 NORTH BISHOP AV | SSE 1/4 - 1/2 (0.262 mi.) | C6 | 344 |

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST: The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

A review of the RGA LUST list, as provided by EDR, has revealed that there are 7 RGA LUST sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|----------------------|-----------------------------|---------------|-------------|
| MOBILE ON THE RUN #1 Facility ID: ST0013606 | 1710 N BISHOP | E 1/4 - 1/2 (0.279 mi.) | B11 | 349 |
| #120 ROLLA-MOBIL Facility ID: ST0013606 | 1710 N BISHOP | E 1/4 - 1/2 (0.279 mi.) | B12 | 349 |
| ROLLA PUMP HANDLE Facility ID: ST0013606 | 1710 N BISHOP | E 1/4 - 1/2 (0.279 mi.) | B14 | 359 |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| BUREAU OF MINES Facility ID: ST5800500 | 1300 N BISHOP AVE, B | SSE 1/4 - 1/2 (0.262 mi.) | C7 | 344 |
| BUREAU OF MINES | 1300 N BISHOP ST, BU | SSE 1/4 - 1/2 (0.262 mi.) | C10 | 349 |

EXECUTIVE SUMMARY

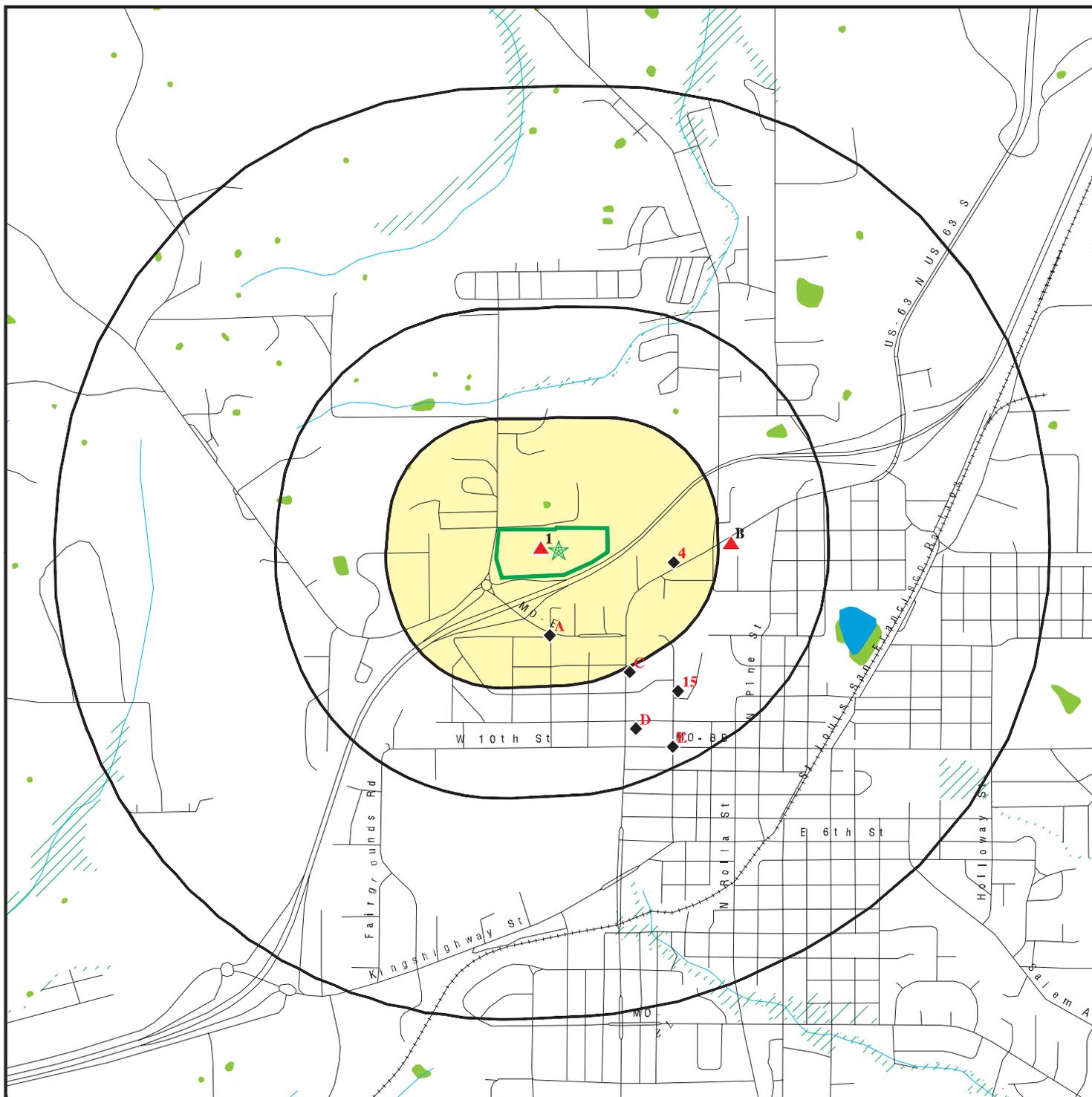
| | | | | |
|---|----------------------|---------------------------|-----|-----|
| Facility ID: ST5800500 Facility ID: NONE | | | | |
| #520 SMITH 66 Facility ID: ST0011042 | 1002 N BISHOP | SSE 1/4 - 1/2 (0.384 mi.) | D16 | 374 |
| STEWART APARTMENTS Facility ID: ST5800714 Facility ID: NONE | TENTH & STATE STREET | SSE 1/4 - 1/2 (0.456 mi.) | E19 | 391 |

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

| <u>Site Name</u> | <u>Database(s)</u> |
|------------------------|--------------------|
| POWERVILLE OUTER ROAD | SEMS-ARCHIVE |
| SARCHET, B R ARENA | SEMS-ARCHIVE |
| CHYMIK INVESTMENTS INC | LAST |

OVERVIEW MAP - 06993336.2R



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  National Priority List Sites

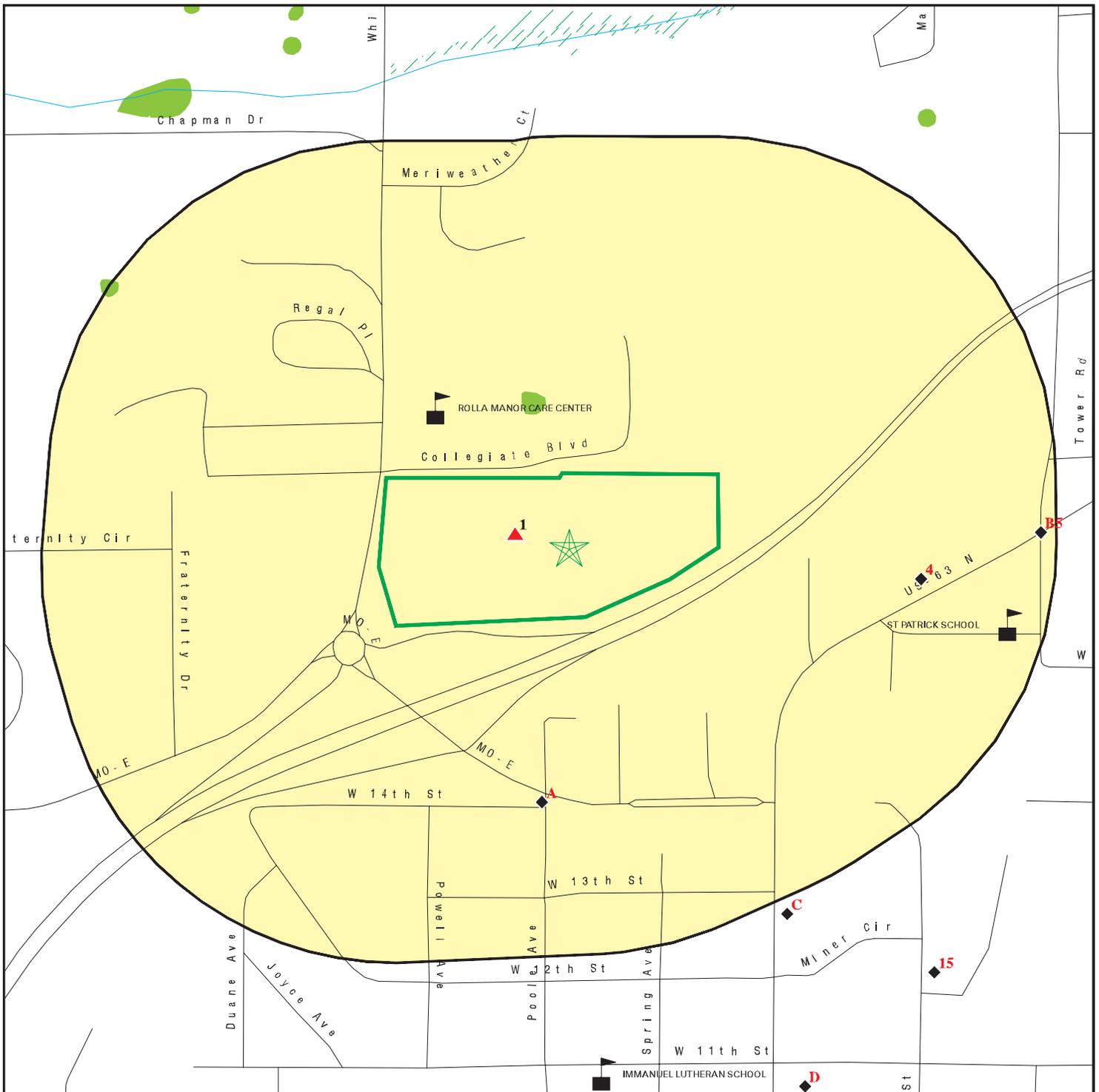
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Missouri S & T Buildings
 ADDRESS: 1001 Collegiate Boulevard
 Rolla MO 65401
 LAT/LONG: 37.957923 / 91.779882

CLIENT: Environmental Operations, Inc.
 CONTACT: Alexandria Algieri
 INQUIRY #: 06993336.2r
 DATE: May 24, 2022 4:36 pm

DETAIL MAP - 06993336.2R



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Sensitive Receptors
-  National Priority List Sites

-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Missouri S & T Buildings
 ADDRESS: 1001 Collegiate Boulevard
 Rolla MO 65401
 LAT/LONG: 37.957923 / 91.779882

CLIENT: Environmental Operations, Inc.
 CONTACT: Alexandria Algieri
 INQUIRY #: 06993336.2r
 DATE: May 24, 2022 4:37 pm

MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|-------------------------|-----------------|-------|-----------|-----------|---------|-----|---------------|
| STANDARD ENVIRONMENTAL RECORDS | | | | | | | | |
| <i>Lists of Federal NPL (Superfund) sites</i> | | | | | | | | |
| NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Proposed NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Lists of Federal Delisted NPL sites</i> | | | | | | | | |
| Delisted NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i> | | | | | | | | |
| FEDERAL FACILITY | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| SEMS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Lists of Federal CERCLA sites with NFRAP</i> | | | | | | | | |
| SEMS-ARCHIVE | 0.500 | | 1 | 1 | 0 | NR | NR | 2 |
| <i>Lists of Federal RCRA facilities undergoing Corrective Action</i> | | | | | | | | |
| CORRACTS | 1.000 | | 1 | 0 | 0 | 0 | NR | 1 |
| <i>Lists of Federal RCRA TSD facilities</i> | | | | | | | | |
| RCRA-TSDF | 0.500 | | 1 | 0 | 0 | NR | NR | 1 |
| <i>Lists of Federal RCRA generators</i> | | | | | | | | |
| RCRA-LQG | 0.250 | | 1 | 0 | NR | NR | NR | 1 |
| RCRA-SQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| RCRA-VSQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| <i>Federal institutional controls / engineering controls registries</i> | | | | | | | | |
| US ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US INST CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Federal ERNS list</i> | | | | | | | | |
| ERNS | TP | | NR | NR | NR | NR | NR | 0 |
| <i>Lists of state- and tribal hazardous waste facilities</i> | | | | | | | | |
| SHWS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Lists of state and tribal landfills and solid waste disposal facilities</i> | | | | | | | | |
| SWF/LF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Lists of state and tribal leaking storage tanks</i> | | | | | | | | |
| LAST | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| LUST | 0.500 | | 0 | 0 | 4 | NR | NR | 4 |
| INDIAN LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |

MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|-------------------------|-----------------|-------|-----------|-----------|---------|-----|---------------|
| <i>Lists of state and tribal registered storage tanks</i> | | | | | | | | |
| FEMA UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| UST | 0.250 | | 0 | 2 | NR | NR | NR | 2 |
| AST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| INDIAN UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| <i>State and tribal institutional control / engineering control registries</i> | | | | | | | | |
| AUL | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Lists of state and tribal voluntary cleanup sites</i> | | | | | | | | |
| VCP | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| <i>Lists of state and tribal brownfield sites</i> | | | | | | | | |
| BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <u>ADDITIONAL ENVIRONMENTAL RECORDS</u> | | | | | | | | |
| <i>Local Brownfield lists</i> | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Local Lists of Landfill / Solid Waste Disposal Sites</i> | | | | | | | | |
| HIST LF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| SWRCY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| IHS OPEN DUMPS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Local Lists of Hazardous waste / Contaminated Sites</i> | | | | | | | | |
| CDL | TP | | NR | NR | NR | NR | NR | 0 |
| DEL SHWS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| PFAS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Records of Emergency Release Reports</i> | | | | | | | | |
| HMIRS | TP | | NR | NR | NR | NR | NR | 0 |
| SPILLS | TP | | NR | NR | NR | NR | NR | 0 |
| <i>Other Ascertainable Records</i> | | | | | | | | |
| RCRA NonGen / NLR | 0.250 | | 0 | 1 | NR | NR | NR | 1 |
| US FIN ASSUR | TP | | NR | NR | NR | NR | NR | 0 |
| EPA WATCH LIST | TP | | NR | NR | NR | NR | NR | 0 |
| 2020 COR ACTION | 0.250 | | 1 | 0 | NR | NR | NR | 1 |
| TSCA | TP | | NR | NR | NR | NR | NR | 0 |
| TRIS | TP | | NR | NR | NR | NR | NR | 0 |
| ROD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| RMP | TP | | NR | NR | NR | NR | NR | 0 |
| PRP | TP | | NR | NR | NR | NR | NR | 0 |
| PADS | TP | | NR | NR | NR | NR | NR | 0 |

MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---------------------|-------------------------|-----------------|-------|-----------|-----------|---------|-----|---------------|
| COAL ASH DOE | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH EPA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| PCB TRANSFORMER | TP | | NR | NR | NR | NR | NR | 0 |
| CONSENT | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| FUSRAP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| LEAD SMELTERS | TP | | NR | NR | NR | NR | NR | 0 |
| US AIRS | TP | | NR | NR | NR | NR | NR | 0 |
| ABANDONED MINES | TP | | NR | NR | NR | NR | NR | 0 |
| FINDS | TP | | NR | NR | NR | NR | NR | 0 |
| DOCKET HWC | TP | | NR | NR | NR | NR | NR | 0 |
| ECHO | TP | | NR | NR | NR | NR | NR | 0 |
| UXO | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| FUELS PROGRAM | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| AIRS | TP | | NR | NR | NR | NR | NR | 0 |
| ASBESTOS | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| DRYCLEANERS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| Financial Assurance | TP | | NR | NR | NR | NR | NR | 0 |
| MINES | TP | | NR | NR | NR | NR | NR | 0 |
| NPDES | TP | | NR | NR | NR | NR | NR | 0 |
| MO RRC | TP | | NR | NR | NR | NR | NR | 0 |
| SMARS | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| UIC | TP | | NR | NR | NR | NR | NR | 0 |
| MINES MRDS | TP | | NR | NR | NR | NR | NR | 0 |

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

| | | | | | | | | |
|-------------|-------|---|---|---|----|----|----|----|
| RGA HWS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| RGA LF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| RGA LUST | 0.500 | | 0 | 0 | 7 | NR | NR | 7 |
| - Totals -- | | 0 | 5 | 4 | 14 | 0 | 0 | 23 |

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1 MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
905 FACILITIES AVE
< 1/8 ROLLA, MO 65409
1 ft.

SEMS-ARCHIVE 1000138747
CORRACTS MOD000677773
RCRA-TSDF
RCRA-LQG
2020 COR ACTION
PADS

Relative:
Higher

Actual:
1186 ft.

SEMS Archive:
Site ID: 0702550
EPA ID: MOD000677773
Name: UMR DANGEROUS MATERIALS
Address: EL BOSA NOVA LN (UMR CAMPUS)
Address 2: Not reported
City,State,Zip: ROLLA, MO 65401
Cong District: 08
FIPS Code: 29161
FF: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region: 07
Site ID: 0702550
EPA ID: MOD000677773
Site Name: UMR DANGEROUS MATERIALS
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1997-12-29 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 07
Site ID: 0702550
EPA ID: MOD000677773
Site Name: UMR DANGEROUS MATERIALS
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1991-07-03 04:00:00
Finish Date: 1991-12-12 05:00:00
Qual: D
Current Action Lead: EPA Perf

Region: 07
Site ID: 0702550
EPA ID: MOD000677773
Site Name: UMR DANGEROUS MATERIALS
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

SEQ: 1
Start Date: 1991-06-21 04:00:00
Finish Date: 1991-06-21 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED-ASSESSMENT WAS A PA-PLUS
Actual Date: 19910930
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date: 19890917
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: CA PRIORITIZATION-MEDIUM CA PRIORITY
Actual Date: 19920128
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 19970930
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 19970930
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 19980423
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION
Actual Date: 19960819
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: REMEDY DECISION
Actual Date: 20090331
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: REMEDY CONSTRUCTION-NO REMEDY CONSTRUCTED
Actual Date: 20090331

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL
and/OR TRT

Actual Date: 19960711
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS
DATE

Actual Date: 20081110
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

[Click this hyperlink](#) while viewing on your computer to access
4 additional CORRACTS: record(s) in the EDR Site Report.

RCRA-LQG:

Date Form Received by Agency: 20220215
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Handler Address: 905 FACILITIES AVE
Handler City,State,Zip: ROLLA, MO 65409-6514
EPA ID: MOD000677773
Contact Name: TONY HUNT
Contact Address: NORTH STATE ST RM 108
Contact City,State,Zip: ROLLA, MO 65409-6535
Contact Telephone: 573-341-7645
Contact Fax: Not reported
Contact Email: THUNT@MST.EDU
Contact Title: ASSISTANT DIRECTOR EHS
EPA Region: 07
Land Type: State
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: 2021
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: NORTH STATE ST RM 108

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--|------------------------------------|
| Mailing City,State,Zip: | ROLLA, MO 65409-6535 |
| Owner Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Owner Type: | State |
| Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Operator Type: | State |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Storage |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Storage |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | Yes |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | Medium |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | Yes |
| Groundwater Controls Indicator: | Yes |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20220217 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Recycler Activity Without Storage: Yes
Manifest Broker: Yes
Sub-Part P Indicator: No

Biennial: List of Years

Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D005
Waste Description: BARIUM

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------|--|
| Waste Description: | CHROMIUM |
| Waste Code: | D008 |
| Waste Description: | LEAD |
| Waste Code: | D009 |
| Waste Description: | MERCURY |
| Waste Code: | D010 |
| Waste Description: | SELENIUM |
| Waste Code: | D011 |
| Waste Description: | SILVER |
| Waste Code: | D012 |
| Waste Description: | ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-EN DO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE) |
| Waste Code: | D013 |
| Waste Description: | LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER) |
| Waste Code: | D014 |
| Waste Description: | METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE) |
| Waste Code: | D015 |
| Waste Description: | TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE) |
| Waste Code: | D016 |
| Waste Description: | 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID) |
| Waste Code: | D017 |
| Waste Description: | 2,4,5-TP SILVEX (2,4,5-TRICHLOROPHENOXYPROPIONIC ACID) |
| Waste Code: | D018 |
| Waste Description: | BENZENE |
| Waste Code: | D019 |
| Waste Description: | CARBON TETRACHLORIDE |
| Waste Code: | D020 |
| Waste Description: | CHLORDANE |
| Waste Code: | D021 |
| Waste Description: | CHLOROBENZENE |
| Waste Code: | D022 |
| Waste Description: | CHLOROFORM |
| Waste Code: | D023 |
| Waste Description: | O-CRESOL |
| Waste Code: | D024 |
| Waste Description: | M-CRESOL |
| Waste Code: | D025 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------|------------------------------|
| Waste Description: | P-CRESOL |
| Waste Code: | D026 |
| Waste Description: | CRESOL |
| Waste Code: | D027 |
| Waste Description: | 1,4-DICHLOROBENZENE |
| Waste Code: | D028 |
| Waste Description: | 1,2-DICHLOROETHANE |
| Waste Code: | D029 |
| Waste Description: | 1,1-DICHLOROETHYLENE |
| Waste Code: | D030 |
| Waste Description: | 2,4-DINITROTOLUENE |
| Waste Code: | D031 |
| Waste Description: | HEPTACHLOR (AND ITS EPOXIDE) |
| Waste Code: | D032 |
| Waste Description: | HEXACHLOROBENZENE |
| Waste Code: | D033 |
| Waste Description: | HEXACHLOROBUTADIENE |
| Waste Code: | D034 |
| Waste Description: | HEXACHLOROETHANE |
| Waste Code: | D035 |
| Waste Description: | METHYL ETHYL KETONE |
| Waste Code: | D036 |
| Waste Description: | NITROBENZENE |
| Waste Code: | D037 |
| Waste Description: | PENTACHLOROPHENOL |
| Waste Code: | D038 |
| Waste Description: | PYRIDINE |
| Waste Code: | D039 |
| Waste Description: | TETRACHLOROETHYLENE |
| Waste Code: | D040 |
| Waste Description: | TRICHLOROETHYLENE |
| Waste Code: | D041 |
| Waste Description: | 2,4,5-TRICHLOROPHENOL |
| Waste Code: | D042 |
| Waste Description: | 2,4,6-TRICHLOROPHENOL |
| Waste Code: | D043 |
| Waste Description: | VINYL CHLORIDE |
| Waste Code: | F001 |

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Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F004
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F006
Waste Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF

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ALUMINUM.

Waste Code: F007
Waste Description: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

Waste Code: F008
Waste Description: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F009
Waste Description: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F010
Waste Description: QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F011
Waste Description: SPENT CYANIDE SOLUTIONS FROM SLAT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.

Waste Code: F012
Waste Description: QUENCHING WASTEWATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F019
Waste Description: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Waste Code: F020
Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- OR TETRACHLOROPHENOL OR OF INTERMEDIATES USED TO PRODUCE THEIR PESTICIDE DERIVATIVES. (THIS LISTING DOES NOT INCLUDE WASTES FROM THE PRODUCTION OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL.)

Waste Code: F021
Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.

Waste Code: F022
Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENES UNDER ALKALINE CONDITIONS.

Waste Code: F023
Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- AND TETRACHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE WASTES FROM

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EQUIPMENT USED ONLY FOR THE PRODUCTION OR USE OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL.)

- Waste Code: F024
Waste Description: PROCESS WASTES INCLUDING, BUT NOT LIMITED TO, DISTILLATION RESIDUES, HEAVY ENDS, TARS, AND REACTOR CLEAN-OUT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO, AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION. (THIS LISTING DOES NOT INCLUDE WASTEWATERS, WASTEWATER TREATMENT SLUDGE, SPENT CATALYSTS, AND WASTES LISTED IN SECTIONS 261.31. OR 261.32)
- Waste Code: F025
Waste Description: CONDENSED LIGHT ENDS, SPENT FILTERS AND FILTER AIDS, AND SPENT DESICCANT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO, AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION.
- Waste Code: F026
Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENE UNDER ALKALINE CONDITIONS.
- Waste Code: F027
Waste Description: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)
- Waste Code: F028
Waste Description: RESIDUES RESULTING FROM THE INCINERATION OR THERMAL TREATMENT OF SOIL CONTAMINATED WITH EPA HAZARDOUS WASTE NOS. F020, F021, F022, F023, F026, AND F027.
- Waste Code: F032
Waste Description: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT CURRENTLY USE, OR HAVE PREVIOUSLY USED, CHLOROPHENOLIC FORMULATIONS [EXCEPT POTENTIALLY CROSS-CONTAMINATED WASTES THAT HAVE HAD THE F032 WASTE CODE DELETED IN ACCORDANCE WITH SECTION 261.35 (I.E., THE NEWLY PROMULGATED EQUIPMENT CLEANING OR REPLACEMENT STANDARDS), AND WHERE THE GENERATOR DOES NOT RESUME OR INITIATE USE OF CHLOROPHENOLIC FORMULATIONS]. (THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.)
- Waste Code: F034
Waste Description: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT USE CREOSOTE FORMULATIONS. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING

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PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

Waste Code: F035
Waste Description: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT USE INORGANIC PRESERVATIVES CONTAINING ARSENIC OR CHROMIUM. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

Waste Code: F037
Waste Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Waste Code: F038
Waste Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Waste Code: F039
Waste Description: LEACHATE RESULTING FROM THE TREATMENT, STORAGE, OR DISPOSAL OF WASTES CLASSIFIED BY MORE THAN ONE WASTE CODE UNDER SUBPART D, OR FROM A MIXTURE OF WASTES CLASSIFIED UNDER SUBPARTS C AND D OF THIS PART. (LEACHATE RESULTING FROM THE MANAGEMENT OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS HAZARDOUS WASTE CODE(S): F020, F021, F022, F023, F026, F027, AND/OR F028.)

Waste Code: K001
Waste Description: BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATERS FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

Waste Code: K002
Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME YELLOW AND ORANGE PIGMENTS.

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| Waste Code: | K003 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF MOLYBDATE ORANGE PIGMENTS. |
| Waste Code: | K004 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF ZINC YELLOW PIGMENTS. |
| Waste Code: | K005 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME GREEN PIGMENTS. |
| Waste Code: | K006 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS (ANHYDROUS AND HYDRATED). |
| Waste Code: | K007 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF IRON BLUE PIGMENTS. |
| Waste Code: | K008 |
| Waste Description: | OVEN RESIDUE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS. |
| Waste Code: | K009 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE. |
| Waste Code: | K010 |
| Waste Description: | DISTILLATION SIDE CUTS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE. |
| Waste Code: | K011 |
| Waste Description: | BOTTOM STREAM FROM THE WASTEWATER STRIPPER IN THE PRODUCTION OF ACRYLONITRILE. |
| Waste Code: | K013 |
| Waste Description: | BOTTOM STREAM FROM THE ACETONITRILE COLUMN IN THE PRODUCTION OF ACRYLONITRILE. |
| Waste Code: | K014 |
| Waste Description: | BOTTOMS FROM THE ACETONITRILE PURIFICATION COLUMN IN THE PRODUCTION OF ACRYLONITRILE. |
| Waste Code: | K015 |
| Waste Description: | STILL BOTTOMS FROM THE DISTILLATION OF BENZYL CHLORIDE. |
| Waste Code: | K016 |
| Waste Description: | HEAVY ENDS OR DISTILLATION RESIDUES FROM THE PRODUCTION OF CARBON TETRACHLORIDE. |
| Waste Code: | K017 |
| Waste Description: | HEAVY ENDS (STILL BOTTOMS) FROM THE PURIFICATION COLUMN IN THE PRODUCTION OF EPICHLOROHYDRIN. |
| Waste Code: | K018 |
| Waste Description: | HEAVY ENDS FROM THE FRACTIONATION COLUMN IN ETHYL CHLORIDE PRODUCTION. |
| Waste Code: | K019 |

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| Waste Description: | HEAVY ENDS FROM THE DISTILLATION OF ETHYLENE DICHLORIDE IN ETHYLENE DICHLORIDE PRODUCTION. |
| Waste Code: | K020 |
| Waste Description: | HEAVY ENDS FROM THE DISTILLATION OF VINYL CHLORIDE IN VINYL CHLORIDE MONOMER PRODUCTION. |
| Waste Code: | K021 |
| Waste Description: | AQUEOUS SPENT ANTIMONY CATALYST WASTE FROM FLUOROMETHANE PRODUCTION. |
| Waste Code: | K022 |
| Waste Description: | DISTILLATION BOTTOM TARS FROM THE PRODUCTION OF PHENOL/ACETONE FROM CUMENE. |
| Waste Code: | K023 |
| Waste Description: | DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE. |
| Waste Code: | K024 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE. |
| Waste Code: | K025 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF NITROBENZENE BY THE NITRATION OF BENZENE. |
| Waste Code: | K026 |
| Waste Description: | STRIPPING STILL TAILS FROM THE PRODUCTION OF METHYL ETHYL PYRIDINES. |
| Waste Code: | K027 |
| Waste Description: | CENTRIFUGE AND DISTILLATION RESIDUES FROM TOLUENE DIISOCYANATE PRODUCTION. |
| Waste Code: | K028 |
| Waste Description: | SPENT CATALYST FROM THE HYDROCHLORINATOR REACTOR IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE. |
| Waste Code: | K029 |
| Waste Description: | WASTE FROM THE PRODUCT STEAM STRIPPER IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE. |
| Waste Code: | K030 |
| Waste Description: | COLUMN BOTTOMS OR HEAVY ENDS FROM THE COMBINED PRODUCTION OF TRICHLOROETHYLENE AND PERCHLOROETHYLENE. |
| Waste Code: | K031 |
| Waste Description: | BY-PRODUCT SALTS GENERATED IN THE PRODUCTION OF MSMA AND CACODYLIC ACID. |
| Waste Code: | K032 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHLORDANE. |
| Waste Code: | K033 |
| Waste Description: | WASTEWATER AND SCRUB WATER FROM THE CHLORINATION OF CYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE. |
| Waste Code: | K034 |

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| Waste Description: | FILTER SOLIDS FROM THE FILTRATION OF HEXACHLOROCYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE. |
| Waste Code: | K035 |
| Waste Description: | WASTEWATER TREATMENT SLUDGES GENERATED IN THE PRODUCTION OF CREOSOTE. |
| Waste Code: | K036 |
| Waste Description: | STILL BOTTOMS FROM TOLUENE RECLAMATION DISTILLATION IN THE PRODUCTION OF DISULFOTON. |
| Waste Code: | K037 |
| Waste Description: | WASTEWATER TREATMENT SLUDGES FROM THE PRODUCTION OF DISULFOTON. |
| Waste Code: | K038 |
| Waste Description: | WASTEWATER FROM THE WASHING AND STRIPPING OF PHORATE PRODUCTION. |
| Waste Code: | K039 |
| Waste Description: | FILTER CAKE FROM THE FILTRATION OF DIETHYLPHOSPHORODITHIOIC ACID IN THE PRODUCTION OF PHORATE. |
| Waste Code: | K040 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF PHORATE. |
| Waste Code: | K041 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF TOXAPHENE. |
| Waste Code: | K042 |
| Waste Description: | HEAVY ENDS OR DISTILLATION RESIDUES FROM THE DISTILLATION OF TETRACHLOROBENZENE IN THE PRODUCTION OF 2,4,5-T. |
| Waste Code: | K043 |
| Waste Description: | 2,6-DICHLOROPHENOL WASTE FROM THE PRODUCTION OF 2,4-D. |
| Waste Code: | K044 |
| Waste Description: | WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES. |
| Waste Code: | K045 |
| Waste Description: | SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES. |
| Waste Code: | K046 |
| Waste Description: | WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS. |
| Waste Code: | K047 |
| Waste Description: | PINK/RED WATER FROM TNT OPERATIONS. |
| Waste Code: | K048 |
| Waste Description: | DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY. |
| Waste Code: | K049 |
| Waste Description: | SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY. |
| Waste Code: | K050 |
| Waste Description: | HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY. |

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| Waste Code: | K051 |
| Waste Description: | API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY. |
| Waste Code: | K052 |
| Waste Description: | TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY. |
| Waste Code: | K060 |
| Waste Description: | AMMONIA STILL LIME SLUDGE FROM COKING OPERATIONS. |
| Waste Code: | K061 |
| Waste Description: | EMISSION CONTROL DUST/SLUDGE FROM THE PRIMARY PRODUCTION OF STEEL IN ELECTRIC FURNACES. |
| Waste Code: | K062 |
| Waste Description: | SPENT PICKLE LIQUOR FROM STEEL FINISHING OPERATIONS OF PLANTS THAT PRODUCE IRON OR STEEL. |
| Waste Code: | K064 |
| Waste Description: | ACID PLANT BLOWDOWN SLURRY/SLUDGE RESULTING FROM THE THICKENING OF BLOWDOWN SLURRY FROM PRIMARY COPPER PRODUCTION. |
| Waste Code: | K065 |
| Waste Description: | SURFACE IMPOUNDMENT SOLIDS CONTAINED IN AND DREDGED FROM SURFACE IMPOUNDMENTS AT PRIMARY LEAD SMELTING FACILITIES. |
| Waste Code: | K066 |
| Waste Description: | SLUDGE FROM TREATMENT OF PROCESS WASTEWATER AND/OR ACID PLANT BLOWDOWN FROM PRIMARY ZINC PRODUCTION. |
| Waste Code: | K069 |
| Waste Description: | EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING. |
| Waste Code: | K071 |
| Waste Description: | BRINE PURIFICATION MUDS FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION, IN WHICH SEPARATELY PREPURIFIED BRINE IS NOT USED. |
| Waste Code: | K073 |
| Waste Description: | CHLORINATED HYDROCARBON WASTE FROM THE PURIFICATION STEP OF THE DIAPHRAGM CELL PROCESS USING GRAPHITE ANODES IN CHLORINE PRODUCTION. |
| Waste Code: | K083 |
| Waste Description: | DISTILLATION BOTTOMS FROM ANILINE PRODUCTION. |
| Waste Code: | K084 |
| Waste Description: | WASTEWATER TREATMENT SLUDGES GENERATED DURING THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS. |
| Waste Code: | K085 |
| Waste Description: | DISTILLATION OR FRACTIONATION COLUMN BOTTOMS FROM THE PRODUCTION OF CHLOROBENZENES. |
| Waste Code: | K086 |
| Waste Description: | SOLVENT WASHES AND SLUDGES, CAUSTIC WASHES AND SLUDGES, OR WATER WASHES AND SLUDGES FROM CLEANING TUBS AND EQUIPMENT USED IN THE FORMULATION OF INK FROM PIGMENTS, DRIERS, SOAPS, AND STABILIZERS CONTAINING CHROMIUM AND LEAD. |

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| Waste Code: | K087 |
| Waste Description: | DECANTER TANK TAR SLUDGE FROM COKING OPERATIONS. |
| Waste Code: | K088 |
| Waste Description: | SPENT POTLINERS FROM PRIMARY ALUMINUM REDUCTION. |
| Waste Code: | K090 |
| Waste Description: | EMISSION CONTROL DUST OR SLUDGE FROM FERROCHROMIUMSILICON PRODUCTION. |
| Waste Code: | K091 |
| Waste Description: | EMISSION CONTROL DUST OR SLUDGE FROM FERROCHROMIUM PRODUCTION. |
| Waste Code: | K093 |
| Waste Description: | DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE. |
| Waste Code: | K094 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE. |
| Waste Code: | K095 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE. |
| Waste Code: | K096 |
| Waste Description: | HEAVY ENDS FROM THE HEAVY ENDS COLUMN FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE. |
| Waste Code: | K097 |
| Waste Description: | VACUUM STRIPPER DISCHARGE FROM THE CHLORDANE CHLORINATOR IN THE PRODUCTION OF CHLORDANE. |
| Waste Code: | K098 |
| Waste Description: | UNTREATED PROCESS WASTEWATER FROM THE PRODUCTION OF TOXAPHENE. |
| Waste Code: | K099 |
| Waste Description: | UNTREATED WASTEWATER FROM THE PRODUCTION OF 2,4-D. |
| Waste Code: | K100 |
| Waste Description: | WASTE LEACHING SOLUTION FROM ACID LEACHING OF EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING. |
| Waste Code: | K101 |
| Waste Description: | DISTILLATION TAR RESIDUES FROM THE DISTILLATION OF ANILINE-BASED COMPOUNDS IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS. |
| Waste Code: | K102 |
| Waste Description: | RESIDUE FROM THE USE OF ACTIVATED CARBON FOR DECOLORIZATION IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS. |
| Waste Code: | K103 |
| Waste Description: | PROCESS RESIDUES FROM ANILINE EXTRACTION FROM THE PRODUCTION OF ANILINE. |
| Waste Code: | K104 |
| Waste Description: | COMBINED WASTEWATERS GENERATED FROM NITROBENZENE/ANILINE PRODUCTION. |

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| Waste Code: | K105 |
| Waste Description: | SEPARATED AQUEOUS STREAM FROM THE REACTOR PRODUCT WASHING STEP IN THE PRODUCTION OF CHLOROBENZENES. |
| Waste Code: | K106 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION. |
| Waste Code: | K107 |
| Waste Description: | COLUMN BOTTOMS FROM PRODUCT SEPARATION FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE (UDMH) FROM CARBOXYLIC ACID HYDRAZIDES. |
| Waste Code: | K108 |
| Waste Description: | CONDENSED COLUMN OVERHEADS FROM PRODUCT SEPARATION AND CONDENSED REACTOR VENT GASES FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES. |
| Waste Code: | K109 |
| Waste Description: | SPENT FILTER CARTRIDGES FROM PRODUCT PURIFICATION FROM THE PRODUCT OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES. |
| Waste Code: | K110 |
| Waste Description: | CONDENSED COLUMN OVERHEADS FROM INTERMEDIATE SEPARATION FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES. |
| Waste Code: | K111 |
| Waste Description: | PRODUCT WASHWATERS FROM THE PRODUCTION OF DINITROTOLUENE VIA NITRATION OF TOLUENE. |
| Waste Code: | K112 |
| Waste Description: | REACTION BY-PRODUCT WATER FROM THE DRYING COLUMN IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE. |
| Waste Code: | K113 |
| Waste Description: | CONDENSED LIQUID LIGHT ENDS FROM PURIFICATION OF TOLUENEDIAMINE IN PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE. |
| Waste Code: | K114 |
| Waste Description: | VICINALS FROM THE PURIFICATION OF TOLUENEDIAMINE IN PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE. |
| Waste Code: | K115 |
| Waste Description: | HEAVY ENDS FROM PURIFICATION OF TOLUENEDIAMINE IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE. |
| Waste Code: | K116 |
| Waste Description: | ORGANIC CONDENSATE FROM THE SOLVENT RECOVERY COLUMN IN THE PRODUCTION OF TOLUENE DIISOCYANATE VIA PHOSGENATION OF TOLUENEDIAMINE. |
| Waste Code: | K117 |
| Waste Description: | WASTEWATER FROM THE REACTOR VENT GAS SCRUBBER IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE. |
| Waste Code: | K118 |
| Waste Description: | SPENT ADSORBENT SOLIDS FROM PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE. |

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| Waste Code: | K123 |
| Waste Description: | PROCESS WASTEWATER (INCLUDING SUPERNATES, FILTRATES, AND WASHWATERS) FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS. |
| Waste Code: | K124 |
| Waste Description: | REACTOR VENT SCRUBBER WATER FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS. |
| Waste Code: | K125 |
| Waste Description: | FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS. |
| Waste Code: | K126 |
| Waste Description: | BAGHOUSE DUST AND FLOOR SWEEPINGS IN MILLING AND PACKAGING OPERATIONS FROM PRODUCTION OR FORMULATION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS. |
| Waste Code: | K131 |
| Waste Description: | WASTEWATER FROM THE REACTOR AND SPENT SULFURIC ACID FROM THE ACID DRYER FROM THE PRODUCTION OF METHYL BROMIDE. |
| Waste Code: | K132 |
| Waste Description: | SPENT ABSORBENT AND WASTEWATER SEPARATOR SOLIDS FROM THE PRODUCTION OF METHYL BROMIDE. |
| Waste Code: | K136 |
| Waste Description: | STILL BOTTOMS FROM THE PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE. |
| Waste Code: | K141 |
| Waste Description: | PROCESS RESIDUES FROM THE RECOVERY OF COAL TAR, INCLUDING, BUT NOT LIMITED TO, TAR COLLECTING SUMP RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. THIS LISTING DOES NOT INCLUDE K087 (DECANTER TANK SLUDGE FROM COKING OPERATIONS). |
| Waste Code: | K142 |
| Waste Description: | TANK STORAGE RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR FROM THE RECOVERY OF COKE BY-PRODUCTS FROM COAL. |
| Waste Code: | K143 |
| Waste Description: | PROCESS RESIDUES FROM THE RECOVERY OF LIGHT OIL, INCLUDING, BUT NOT LIMITED TO, THOSE GENERATED IN STILLS, DECANTERS, AND WASH OIL RECOVERY UNITS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. |
| Waste Code: | K144 |
| Waste Description: | WASTEWATER SUMP RESIDUES FROM LIGHT OIL REFINING, INCLUDING, BUT NOT LIMITED TO, INTERCEPTING OR CONTAMINATION SUMP SLUDGES FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. |
| Waste Code: | K145 |
| Waste Description: | RESIDUES FROM NAPHTHALENE COLLECTION AND RECOVERY OPERATIONS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. |
| Waste Code: | K147 |
| Waste Description: | TAR STORAGE RESIDUES FROM COAL TAR REFINING. |

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| Waste Code: | K148 |
| Waste Description: | RESIDUES FROM COAL TAR DISTILLATION, INCLUDING, BUT NOT LIMITED TO, STILL BOTTOMS. |
| Waste Code: | K149 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, RING-CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS. [THIS WASTE DOES NOT INCLUDE STILL BOTTOMS FROM THE DISTILLATION OF BENZOYL CHLORIDE] |
| Waste Code: | K150 |
| Waste Description: | ORGANIC RESIDUES EXCLUDING SPENT CARBON ADSORBENT, FROM THE SPENT CHLORINE GAS AND HYDROCHLORIC ACID RECOVERY PROCESSES ASSOCIATED WITH THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS. |
| Waste Code: | K151 |
| Waste Description: | WASTEWATER TREATMENT SLUDGES, EXCLUDING NEUTRALIZATION AND BIOLOGICAL SLUDGES, GENERATED DURING THE TREATMENT OF WASTEWATERS FROM THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS. |
| Waste Code: | K156 |
| Waste Description: | ORGANIC WASTE (INCLUDING HEAVY ENDS, STILL BOTTOMS, LIGHT ENDS, SPENT SOLVENTS, FILTRATES, AND DECANTATES) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES. |
| Waste Code: | K157 |
| Waste Description: | WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES. |
| Waste Code: | K158 |
| Waste Description: | BAG HOUSE DUSTS AND FILTER/SEPARATION SOLIDS FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES. |
| Waste Code: | K159 |
| Waste Description: | ORGANICS FROM THE TREATMENT OF THIOCARBAMATE WASTES. |
| Waste Code: | K160 |
| Waste Description: | SOLIDS (INCLUDING FILTER WASTES, SEPARATION SOLIDS, AND SPENT CATALYSTS) FROM THE PRODUCTION OF THIOCARBAMATES AND SOLIDS FROM THE TREATMENT OF THIOCARBAMATE WASTES. |
| Waste Code: | K161 |
| Waste Description: | PURIFICATION SOLIDS (INCLUDING FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS), BAG HOUSE DUST AND FLOOR SWEEPINGS FROM THE PRODUCTION OF DITHIOCARBAMATE ACIDS AND THEIR SALTS. (THIS LISTING DOES NOT INCLUDE K125 OR K126). |
| Waste Code: | LABP |
| Waste Description: | LAB PACK |
| Waste Code: | NONE |
| Waste Description: | Not Defined |
| Waste Code: | P001 |

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Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste Code: P002
Waste Description: 1-ACETYL-2-THIOUREA (OR) ACETAMIDE, N-(AMINOTHIOXOMETHYL)-

Waste Code: P003
Waste Description: 2-PROPENAL (OR) ACROLEIN

Waste Code: P004
Waste Description: 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5ALPHA, 8ALPHA, 8ABETA)- (OR) ALDRIN

Waste Code: P005
Waste Description: 2-PROPEN-1-OL (OR) ALLYL ALCOHOL

Waste Code: P006
Waste Description: ALUMINUM PHOSPHIDE (R,T)

Waste Code: P007
Waste Description: 3(2H)-ISOXAZOLONE, 5-(AMINOMETHYL)- (OR) 5-(AMINOMETHYL)-3-ISOXAZOLOL

Waste Code: P008
Waste Description: 4-AMINOPYRIDINE (OR) 4-PYRIDINAMINE

Waste Code: P009
Waste Description: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)

Waste Code: P010
Waste Description: ARSENIC ACID H3ASO4

Waste Code: P011
Waste Description: ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE

Waste Code: P012
Waste Description: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

Waste Code: P013
Waste Description: BARIUM CYANIDE

Waste Code: P014
Waste Description: BENZENETHIOL (OR) THIOPHENOL

Waste Code: P015
Waste Description: BERYLLIUM

Waste Code: P016
Waste Description: DICHLOROMETHYL ETHER (OR) METHANE, OXYBIS[CHLORO-

Waste Code: P017
Waste Description: 2-PROPANONE, 1-BROMO- (OR) BROMOACETONE

Waste Code: P018
Waste Description: BRUCINE (OR) STRYCHNIDIN-10-ONE, 2,3-DIMETHOXY-

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| Waste Code: | P020 |
| Waste Description: | DINOSEB (OR) PHENOL, 2-(1-METHYLPROPYL)-4,6-DINITRO- |
| Waste Code: | P021 |
| Waste Description: | CALCIUM CYANIDE (OR) CALCIUM CYANIDE CA(CN)2 |
| Waste Code: | P022 |
| Waste Description: | CARBON DISULFIDE |
| Waste Code: | P023 |
| Waste Description: | ACETALDEHYDE, CHLORO- (OR) CHLOROACETALDEHYDE |
| Waste Code: | P024 |
| Waste Description: | BENZENAMINE, 4-CHLORO- (OR) P-CHLORANILINE |
| Waste Code: | P026 |
| Waste Description: | 1-(O-CHLOROPHENYL)THIOUREA (OR) THIOUREA, (2-CHLOROPHENYL)- |
| Waste Code: | P027 |
| Waste Description: | 3-CHLOROPROPIONITRILE (OR) PROPANENITRILE, 3-CHLORO- |
| Waste Code: | P028 |
| Waste Description: | BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE |
| Waste Code: | P029 |
| Waste Description: | COPPER CYANIDE (OR) COPPER CYANIDE CU(CN) |
| Waste Code: | P030 |
| Waste Description: | CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED |
| Waste Code: | P031 |
| Waste Description: | CYANOGEN (OR) ETHANEDINITRILE |
| Waste Code: | P033 |
| Waste Description: | CYANOGEN CHLORIDE (OR) CYANOGEN CHLORIDE (CN)CL |
| Waste Code: | P034 |
| Waste Description: | 2-CYCLOHEXYL-4,6-DINITROPHENOL (OR) PHENOL, 2-CYCLOHEXYL-4,6-DINITRO- |
| Waste Code: | P036 |
| Waste Description: | ARSONOUS DICHLORIDE, PHENYL- (OR) DICHLOROPHENYLARSINE |
| Waste Code: | P037 |
| Waste Description: | 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2AALPHA, 3BETA, 6BETA, 6AALPHA, 7BETA, 7AALPHA)- (OR) DIELDRIN |
| Waste Code: | P038 |
| Waste Description: | ARSINE, DIETHYL- (OR) DIETHYLARSINE |
| Waste Code: | P039 |
| Waste Description: | DISULFOTON (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[2-(ETHYLTHIO)ETHYL] ESTER |
| Waste Code: | P040 |
| Waste Description: | O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL O-PYRAZINYL ESTER |

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| Waste Code: | P041 |
| Waste Description: | DIETHYL-P-NITROPHENYL PHOSPHATE (OR) PHOSPHORIC ACID, DIETHYL 4-NITROPHENYL ESTER |
| Waste Code: | P042 |
| Waste Description: | 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE |
| Waste Code: | P043 |
| Waste Description: | DIISOPROPYLFLUOROPHOSPHATE (DFP) (OR) PHOSPHOROFUORIDIC ACID, BIS(1-METHYLETHYL) ESTER |
| Waste Code: | P044 |
| Waste Description: | DIMETHOATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIMETHYL S-[2-(METHYLAMINO)-2-OXOETHYL] ESTER |
| Waste Code: | P045 |
| Waste Description: | 2-BUTANONE, 3,3-DIMETHYL-1-(METHYLTHIO)-, O-[METHYLAMINO)CARBONYL] OXIME (OR) THIOFANOX |
| Waste Code: | P046 |
| Waste Description: | ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA, ALPHA-DIMETHYL- |
| Waste Code: | P047 |
| Waste Description: | 4,6-DINITRO-O-CRESOL, & SALTS (OR) PHENOL, 2-METHYL-4,6-DINITRO-, & SALTS |
| Waste Code: | P048 |
| Waste Description: | 2,4-DINITROPHENOL (OR) PHENOL, 2,4-DINITRO- |
| Waste Code: | P049 |
| Waste Description: | DITHIOBIURET (OR) THIOIMIDODICARBONIC DIAMIDE [(H2N)C(S)]2NH |
| Waste Code: | P050 |
| Waste Description: | 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6, 9,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN |
| Waste Code: | P051 |
| Waste Description: | 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES (OR) ENDRIN (OR) ENDRIN, & METABOLITES |
| Waste Code: | P054 |
| Waste Description: | AZIRIDINE (OR) ETHYLENEIMINE |
| Waste Code: | P056 |
| Waste Description: | FLUORINE |
| Waste Code: | P057 |
| Waste Description: | ACETAMIDE, 2-FLUORO- (OR) FLUOROACETAMIDE |
| Waste Code: | P058 |
| Waste Description: | ACETIC ACID, FLUORO-, SODIUM SALT (OR) FLUOROACETIC ACID, SODIUM SALT |
| Waste Code: | P059 |

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| Waste Description: | 4,7-METHANO-1H-INDENE, 1,4,5,6,7,8,8-HEPTACHLORO-3A,4,7,7A-TETRAHYDRO-(OR) HEPTACHLOR |
| Waste Code: | P060 |
| Waste Description: | 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5BETA, 8BETA, 8ABETA)- (OR) ISODRIN |
| Waste Code: | P062 |
| Waste Description: | HEXAETHYL TETRAPHOSPHATE (OR) TETRAPHOSPHORIC ACID, HEXAETHYL ESTER |
| Waste Code: | P063 |
| Waste Description: | HYDROCYANIC ACID (OR) HYDROGEN CYANIDE |
| Waste Code: | P064 |
| Waste Description: | METHANE, ISOCYANATO- (OR) METHYL ISOCYANATE |
| Waste Code: | P065 |
| Waste Description: | FULMINIC ACID, MERCURY(2+) SALT (R,T) (OR) MERCURY FULMINATE (R,T) |
| Waste Code: | P066 |
| Waste Description: | ETHANIMIDOTHIOIC ACID, N-[[[(METHYLAMINO)CARBONYL]OXY]-, METHYL ESTER (OR) METHOMYL |
| Waste Code: | P067 |
| Waste Description: | 1,2-PROPYLENIMINE (OR) AZIRIDINE, 2-METHYL- |
| Waste Code: | P068 |
| Waste Description: | HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE |
| Waste Code: | P069 |
| Waste Description: | 2-METHYLLACTONITRILE (OR) PROPANENITRILE, 2-HYDROXY-2-METHYL- |
| Waste Code: | P070 |
| Waste Description: | ALDICARB (OR) PROPANAL, 2-METHYL-2-(METHYLTHIO)-, O-[(METHYLAMINO)CARBONYL]OXIME |
| Waste Code: | P071 |
| Waste Description: | METHYL PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O,-DIMETHYL O-(4-NITROPHENYL) ESTER |
| Waste Code: | P072 |
| Waste Description: | ALPHA-NAPHTHYLTHIOUREA (OR) THIOUREA, 1-NAPHTHALENYL- |
| Waste Code: | P073 |
| Waste Description: | NICKEL CARBONYL (OR) NICKEL CARBONYL NI(CO)4, (T-4)- |
| Waste Code: | P074 |
| Waste Description: | NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2 |
| Waste Code: | P075 |
| Waste Description: | NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS |
| Waste Code: | P076 |
| Waste Description: | NITRIC OXIDE (OR) NITROGEN OXIDE NO |

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| Waste Code: | P077 |
| Waste Description: | BENZENAMINE, 4-NITRO- (OR) P-NITROANILINE |
| Waste Code: | P078 |
| Waste Description: | NITROGEN DIOXIDE (OR) NITROGEN OXIDE NO2 |
| Waste Code: | P081 |
| Waste Description: | 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R) |
| Waste Code: | P082 |
| Waste Description: | METHANIMINE, N-METHYL-N-NITROSO- (OR) N-NITROSODIMETHYLAMINE |
| Waste Code: | P084 |
| Waste Description: | N-NITROSOMETHYL VINYLAMINE (OR) VINYLAMINE, N-METHYL-N-NITROSO- |
| Waste Code: | P085 |
| Waste Description: | DIPHOSPHORAMIDE, OCTAMETHYL- (OR) OCTAMETHYLPYROPHOSPHORAMIDE |
| Waste Code: | P087 |
| Waste Description: | OSMIUM OXIDE OSO4, (T-4)- (OR) OSMIUM TETROXIDE |
| Waste Code: | P088 |
| Waste Description: | 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ACID (OR) ENDOTHALL |
| Waste Code: | P089 |
| Waste Description: | PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL-O-(4-NITROPHENYL) ESTER |
| Waste Code: | P092 |
| Waste Description: | MERCURY, (ACETATO-O)PHENYL- (OR) PHENYLMERCURY ACETATE |
| Waste Code: | P093 |
| Waste Description: | PHENYLTHIOUREA (OR) THIOUREA, PHENYL- |
| Waste Code: | P094 |
| Waste Description: | PHORATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[(ETHYLTHIO)METHYL] ESTER |
| Waste Code: | P095 |
| Waste Description: | CARBONIC DICHLORIDE (OR) PHOSGENE |
| Waste Code: | P096 |
| Waste Description: | HYDROGEN PHOSPHIDE (OR) PHOSPHINE |
| Waste Code: | P097 |
| Waste Description: | FAMPHUR (OR) PHOSPHOROTHIOIC ACID O-[4-[(DIMETHYLAMINO)SULFONYL]PHENYL] O,O-DIMETHYL ESTER |
| Waste Code: | P098 |
| Waste Description: | POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN) |
| Waste Code: | P099 |
| Waste Description: | ARGENTATE (1-), BIS(CYANO-C)-, POTASSIUM (OR) POTASSIUM SILVER CYANIDE |
| Waste Code: | P101 |
| Waste Description: | ETHYL CYANIDE (OR) PROPANENITRILE |

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| Waste Code: | P102 |
| Waste Description: | 2-PROPYN-1-OL (OR) PROPARGYL ALCOHOL |
| Waste Code: | P103 |
| Waste Description: | SELENOUREA |
| Waste Code: | P104 |
| Waste Description: | SILVER CYANIDE (OR) SILVER CYANIDE AG(CN) |
| Waste Code: | P105 |
| Waste Description: | SODIUM AZIDE |
| Waste Code: | P106 |
| Waste Description: | SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN) |
| Waste Code: | P108 |
| Waste Description: | STRYCHNIDIN-10-ONE, & SALTS (OR) STRYCHNINE, & SALTS |
| Waste Code: | P109 |
| Waste Description: | TETRAETHYLDITHIOPYROPHOSPHATE (OR) THIODIPHOSPHORIC ACID, TETRAETHYL ESTER |
| Waste Code: | P110 |
| Waste Description: | PLUMBANE, TETRAETHYL- (OR) TETRAETHYL LEAD |
| Waste Code: | P111 |
| Waste Description: | DIPHOSPHORIC ACID, TETRAETHYL ESTER (OR) TETRAETHYL PYROPHOSPHATE |
| Waste Code: | P112 |
| Waste Description: | METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R) |
| Waste Code: | P113 |
| Waste Description: | THALLIC OXIDE (OR) THALLIUM OXIDE TL2O3 |
| Waste Code: | P114 |
| Waste Description: | SELENIOS ACID, DITHALLIUM (1+) SALT (OR) THALLIUM(I) SELENITE |
| Waste Code: | P115 |
| Waste Description: | SULFURIC ACID, DITHALLIUM (1+) SALT (OR) THALLIUM(I) SULFATE |
| Waste Code: | P116 |
| Waste Description: | HYDRAZINECARBOTHIOAMIDE (OR) THIOSEMICARBAZIDE |
| Waste Code: | P118 |
| Waste Description: | METHANETHIOL, TRICHLORO- (OR) TRICHLOROMETHANETHIOL |
| Waste Code: | P119 |
| Waste Description: | AMMONIUM VANADATE (OR) VANADIC ACID, AMMONIUM SALT |
| Waste Code: | P120 |
| Waste Description: | VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE |
| Waste Code: | P121 |
| Waste Description: | ZINC CYANIDE (OR) ZINC CYANIDE ZN(CN)2 |
| Waste Code: | P122 |
| Waste Description: | ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% |

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| Waste Code: | P123 |
| Waste Description: | TOXAPHENE |
| Waste Code: | P185 |
| Waste Description: | 1,3-DITHIOLANE-2-CARBOXALDEHYDE, 2,4-DIMETHYL-, O- [(METHYLAMINO)-CARBONYL]OXIME (OR) TIRPATE |
| Waste Code: | P188 |
| Waste Description: | BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL- 5-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE |
| Waste Code: | P189 |
| Waste Description: | CARBAMIC ACID, [(DIBUTYLAMINO)-THIO]METHYL-, 2,3-DIHYDRO-2,2-DIMETHYL- -7-BENZOFURANYL ESTER (OR) CARBOSULFAN |
| Waste Code: | P190 |
| Waste Description: | CARBAMIC ACID, METHYL-, 3-METHYLPHENYL ESTER (OR) METOLCARB |
| Waste Code: | P191 |
| Waste Description: | CARBAMIC ACID, DIMETHYL-, 1-[(DIMETHYL-AMINO)CARBONYL]- 5-METHYL-1H- PYRAZOL-3-YL ESTER (OR) DIMETILAN |
| Waste Code: | P192 |
| Waste Description: | ISOLAN (OR) CARBAMIC ACID, DIMETHYL-, 3-METHYL-(1-METHYLETHYL)-1H- PYRAZOL-5-YL ESTER |
| Waste Code: | P194 |
| Waste Description: | ETHANIMIDOTHIOIC ACID, 2-(DIMETHYLAMINO)-N-[(METHYLAMINO) CARBONYL]OXY]-2-OXO-, METHYL ESTER (OR) OXAMYL |
| Waste Code: | P196 |
| Waste Description: | MANGANESE DIMETHYLDITHIOCARBAMATE (OR) MANGANESE, BIS(DIMETHYLCARBAMODITHIOATO-S,S')-, |
| Waste Code: | P197 |
| Waste Description: | FORMPARANATE (OR) METHANIMIDAMIDE, N,N-DIMETHYL-N'-[2-METHYL-4-[(METHYLAMINO)CARBONYL]OXY]PHENYL] |
| Waste Code: | P198 |
| Waste Description: | METHANIMIDAMIDE, N,N-DIMETHYL-N'-[3-[(METHYLAMINO)-CARBONYL]OXY]PHENYL]-, MONOHYDROCHLORIDE (OR) FORMETANATE HYDROCHLORIDE |
| Waste Code: | P201 |
| Waste Description: | PHENOL, 3-METHYL-5-(1-METHYLETHYL)-, METHYL CARBAMATE (OR) PROMECARB |
| Waste Code: | P202 |
| Waste Description: | M-CUMENYL METHYLCARBAMATE (OR) 3-ISOPROPYLPHENYL N-METHYLCARBAMATE (OR) PHENOL, 3-(1-METHYLETHYL)-, METHYL CARBAMATE |
| Waste Code: | P203 |
| Waste Description: | ALDICARB SULFONE (OR) PROPANAL, 2-METHYL-2-(METHYL-SULFONYL)-, O-[(METHYLAMINO)CARBONYL] OXIME |

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| Waste Code: | P204 |
| Waste Description: | PHYSOSTIGMINE (OR) PYRROLO[2,3-B]INDOL-5-OL, 1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYL-METHYLCARBAMATE (ESTER), (3AS-CIS)- |
| Waste Code: | P205 |
| Waste Description: | ZINC, BIS(DIMETHYLCARBAMODITHIOATO-S,S')-, (OR) ZIRAM |
| Waste Code: | U001 |
| Waste Description: | ACETALDEHYDE (I) (OR) ETHANAL (I) |
| Waste Code: | U002 |
| Waste Description: | 2-PROPANONE (I) (OR) ACETONE (I) |
| Waste Code: | U003 |
| Waste Description: | ACETONITRILE (I,T) |
| Waste Code: | U004 |
| Waste Description: | ACETOPHENONE (OR) ETHANONE, 1-PHENYL- |
| Waste Code: | U005 |
| Waste Description: | 2-ACETYLAMINOFLUORENE (OR) ACETAMIDE, N-9H-FLUOREN-2-YL |
| Waste Code: | U006 |
| Waste Description: | ACETYL CHLORIDE (C,R,T) |
| Waste Code: | U007 |
| Waste Description: | 2-PROPENAMIDE (OR) ACRYLAMIDE |
| Waste Code: | U008 |
| Waste Description: | 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I) |
| Waste Code: | U009 |
| Waste Description: | 2-PROPENENITRILE (OR) ACRYLONITRILE |
| Waste Code: | U010 |
| Waste Description: | AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[[(AMINOCARBONYLOXY)METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET HOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C |
| Waste Code: | U011 |
| Waste Description: | 1H-1,2,4-TRIAZOL-3-AMINE (OR) AMITROLE |
| Waste Code: | U012 |
| Waste Description: | ANILINE (I,T) (OR) BENZENAMINE (I,T) |
| Waste Code: | U014 |
| Waste Description: | AURAMINE (OR) BENZENAMINE, 4,4'-CARBONIMIDOYLBIS[N,N-DIMETHYL- |
| Waste Code: | U015 |
| Waste Description: | AZASERINE (OR) L-SERINE, DIAZOACETATE (ESTER) |
| Waste Code: | U016 |
| Waste Description: | BENZ[C]ACRIDINE |
| Waste Code: | U017 |

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| Waste Description: | BENZAL CHLORIDE (OR) BENZENE, (DICHLOROMETHYL)- |
| Waste Code: | U018 |
| Waste Description: | BENZ[A]ANTHRACENE |
| Waste Code: | U019 |
| Waste Description: | BENZENE (I,T) |
| Waste Code: | U020 |
| Waste Description: | BENZENESULFONIC ACID CHLORIDE (C,R) (OR) BENZENESULFONYL CHLORIDE (C,R) |
| Waste Code: | U021 |
| Waste Description: | [1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE |
| Waste Code: | U022 |
| Waste Description: | BENZO[A]PYRENE |
| Waste Code: | U023 |
| Waste Description: | BENZENE, (TRICHLOROMETHYL)- (OR) BENZOTRICHLORIDE (C,R,T) |
| Waste Code: | U024 |
| Waste Description: | DICHLOROMETHOXY ETHANE (OR) ETHANE, 1,1'-[METHYLENEBIS(OXY)]BIS[2-CHLORO- |
| Waste Code: | U025 |
| Waste Description: | DICHLOROETHYL ETHER (OR) ETHANE, 1,1'-OXYBIS[2-CHLORO- |
| Waste Code: | U026 |
| Waste Description: | CHLORNAPHAZIN (OR) NAPHTHALENAMINE, N,N'-BIS(2-CHLOROETHYL)- |
| Waste Code: | U027 |
| Waste Description: | DICHLOROISOPROPYL ETHER (OR) PROPANE, 2,2'-OXYBIS[2-CHLORO- |
| Waste Code: | U028 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL) ESTER (OR) DIETHYLHEXYL PHTHALATE |
| Waste Code: | U029 |
| Waste Description: | METHANE, BROMO- (OR) METHYL BROMIDE |
| Waste Code: | U030 |
| Waste Description: | 4-BROMOPHENYL PHENYL ETHER (OR) BENZENE, 1-BROMO-4-PHENOXY- |
| Waste Code: | U031 |
| Waste Description: | 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I) |
| Waste Code: | U032 |
| Waste Description: | CALCIUM CHROMATE (OR) CHROMIC ACID H ₂ CrO ₄ , CALCIUM SALT |
| Waste Code: | U033 |
| Waste Description: | CARBON OXYFLUORIDE (R,T) (OR) CARBONIC DIFLUORIDE |
| Waste Code: | U034 |
| Waste Description: | ACETALDEHYDE, TRICHLORO- (OR) CHLORAL |
| Waste Code: | U035 |

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| Waste Description: | BENZENE BUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL |
| Waste Code: | U036 |
| Waste Description: | 4,7-METHANO-1H-INDENE, 1,2,4,5,6,7,8,8-OCTACHLORO-2,3,3A,4,7,7A-HEXAHYDRO- (OR) CHLORDANE, ALPHA & GAMMA ISOMERS |
| Waste Code: | U037 |
| Waste Description: | BENZENE, CHLORO- (OR) CHLOROBENZENE |
| Waste Code: | U038 |
| Waste Description: | BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-, ETHYL ESTER (OR) CHLOROBENZILATE |
| Waste Code: | U039 |
| Waste Description: | P-CHLORO-M-CRESOL (OR) PHENOL, 4-CHLORO-3-METHYL- |
| Waste Code: | U041 |
| Waste Description: | EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)- |
| Waste Code: | U042 |
| Waste Description: | 2-CHLOROETHYL VINYL ETHER (OR) ETHENE, (2-CHLOROETHOXY)- |
| Waste Code: | U043 |
| Waste Description: | ETHENE, CHLORO- (OR) VINYL CHLORIDE |
| Waste Code: | U044 |
| Waste Description: | CHLOROFORM (OR) METHANE, TRICHLORO- |
| Waste Code: | U045 |
| Waste Description: | METHANE, CHLORO- (I,T) (OR) METHYL CHLORIDE (I,T) |
| Waste Code: | U046 |
| Waste Description: | CHLOROMETHYL METHYL ETHER (OR) METHANE, CHLOROMETHOXY- |
| Waste Code: | U047 |
| Waste Description: | BETA-CHLORONAPHTHALENE (OR) NAPHTHALENE, 2-CHLORO- |
| Waste Code: | U048 |
| Waste Description: | O-CHLOROPHENOL (OR) PHENOL, 2-CHLORO- |
| Waste Code: | U049 |
| Waste Description: | 4-CHLORO-O-TOLUIDINE, HYDROCHLORIDE (OR) BENZENAMINE, 4-CHLORO-2-METHYL-, HYDROCHLORIDE |
| Waste Code: | U050 |
| Waste Description: | CHRYSENE |
| Waste Code: | U051 |
| Waste Description: | CREOSOTE |
| Waste Code: | U052 |
| Waste Description: | CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL- |
| Waste Code: | U053 |
| Waste Description: | 2-BUTENAL (OR) CROTONALDEHYDE |

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| Waste Code: | U055 |
| Waste Description: | BENZENE, (1-METHYLETHYL)- (I) (OR) CUMENE (I) |
| Waste Code: | U056 |
| Waste Description: | BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I) |
| Waste Code: | U057 |
| Waste Description: | CYCLOHEXANONE (I) |
| Waste Code: | U058 |
| Waste Description: | 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE |
| Waste Code: | U059 |
| Waste Description: | 5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]-7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN |
| Waste Code: | U060 |
| Waste Description: | BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDD |
| Waste Code: | U061 |
| Waste Description: | BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDT |
| Waste Code: | U062 |
| Waste Description: | CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3-DICHLORO-2-PROPENYL) ESTER (OR) DIALATE |
| Waste Code: | U063 |
| Waste Description: | DIBENZ[A,H]ANTHRACENE |
| Waste Code: | U064 |
| Waste Description: | BENZO[RST]PENTAPHENE (OR) DIBENZO[A,I]PYRENE |
| Waste Code: | U066 |
| Waste Description: | 1,2-DIBROMO-3-CHLOROPROPANE (OR) PROPANE, 1,2-DIBROMO-3-CHLORO- |
| Waste Code: | U067 |
| Waste Description: | ETHANE, 1,2-DIBROMO- (OR) ETHYLENE DIBROMIDE |
| Waste Code: | U068 |
| Waste Description: | METHANE, DIBROMO- (OR) METHYLENE BROMIDE |
| Waste Code: | U069 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE |
| Waste Code: | U070 |
| Waste Description: | BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE |
| Waste Code: | U071 |
| Waste Description: | BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE |
| Waste Code: | U072 |
| Waste Description: | BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE |
| Waste Code: | U073 |

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| Waste Description: | [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DICHLORO- (OR) 3,3'-DICHLOROBENZIDINE |
| Waste Code: | U074 |
| Waste Description: | 1,4-DICHLORO-2-BUTENE (I,T) (OR) 2-BUTENE, 1,4-DICHLORO- (I,T) |
| Waste Code: | U075 |
| Waste Description: | DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO- |
| Waste Code: | U076 |
| Waste Description: | ETHANE, 1,1-DICHLORO- (OR) ETHYLIDENE DICHLORIDE |
| Waste Code: | U077 |
| Waste Description: | ETHANE, 1,2-DICHLORO- (OR) ETHYLENE DICHLORIDE |
| Waste Code: | U078 |
| Waste Description: | 1,1-DICHLOROETHYLENE (OR) ETHENE, 1,1-DICHLORO- |
| Waste Code: | U079 |
| Waste Description: | 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-,(E)- |
| Waste Code: | U080 |
| Waste Description: | METHANE, DICHLORO- (OR) METHYLENE CHLORIDE |
| Waste Code: | U081 |
| Waste Description: | 2,4-DICHLOROPHENOL (OR) PHENOL, 2,4-DICHLORO- |
| Waste Code: | U082 |
| Waste Description: | 2,6-DICHLOROPHENOL (OR) PHENOL, 2,6-DICHLORO- |
| Waste Code: | U083 |
| Waste Description: | PROPANE, 1,2-DICHLORO- (OR) PROPYLENE DICHLORIDE |
| Waste Code: | U084 |
| Waste Description: | 1,3-DICHLOROPROPENE (OR) 1-PROPENE, 1,3-DICHLORO- |
| Waste Code: | U085 |
| Waste Description: | 1,2:3,4-DIEPOXYBUTANE (I,T) (OR) 2,2'-BIOXIRANE |
| Waste Code: | U086 |
| Waste Description: | HYDRAZINE, 1,2-DIETHYL- (OR) N,N'-DIETHYLHYDRAZINE |
| Waste Code: | U087 |
| Waste Description: | O,O-DIETHYL S-METHYL DITHIOPHOSPHATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-METHYL ESTER |
| Waste Code: | U088 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER (OR) DIETHYL PHTHALATE |
| Waste Code: | U089 |
| Waste Description: | DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)- |
| Waste Code: | U090 |
| Waste Description: | 1,3-BENZODIOXOLE, 5-PROPYL- (OR) DIHYDROSAFROLE |
| Waste Code: | U091 |

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| Waste Description: | [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHOXY- (OR) 3,3'-DIMETHOXYBENZIDINE |
| Waste Code: | U092 |
| Waste Description: | DIMETHYLAMINE (I) (OR) METHANAMINE, N-METHYL- (I) |
| Waste Code: | U093 |
| Waste Description: | BENZENAMINE, N,N-DIMETHYL-4-(PHENYLAZO)- (OR) P-DIMETHYLAMINOAZOBENZENE |
| Waste Code: | U094 |
| Waste Description: | 7,12-DIMETHYLBENZ[A]ANTHRACENE (OR) BENZ[A]ANTHRACENE, 7,12-DIMETHYL- |
| Waste Code: | U095 |
| Waste Description: | [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHYL- (OR) 3,3'-DIMETHYLBENZIDINE |
| Waste Code: | U096 |
| Waste Description: | ALPHA,ALPHA-DIMETHYLBENZYLHYDROPEROXIDE (R) (OR) HYDROPEROXIDE, 1-METHYL-1-PHENYLETHYL- (R) |
| Waste Code: | U097 |
| Waste Description: | CARBAMIC CHLORIDE, DIMETHYL- (OR) DIMETHYLCARBAMOYL CHLORIDE |
| Waste Code: | U098 |
| Waste Description: | 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL- |
| Waste Code: | U099 |
| Waste Description: | 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL- |
| Waste Code: | U101 |
| Waste Description: | 2,4-DIMETHYLPHENOL (OR) PHENOL, 2,4-DIMETHYL- |
| Waste Code: | U102 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, DIMETHYL ESTER (OR) DIMETHYL PHTHALATE |
| Waste Code: | U103 |
| Waste Description: | DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER |
| Waste Code: | U105 |
| Waste Description: | 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO- |
| Waste Code: | U106 |
| Waste Description: | 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO- |
| Waste Code: | U107 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER (OR) DI-N-OCTYL PHTHALATE |
| Waste Code: | U108 |
| Waste Description: | 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE |
| Waste Code: | U109 |
| Waste Description: | 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL- |
| Waste Code: | U110 |
| Waste Description: | 1-PROPANIMINE, N-PROPYL-(I) (OR) DIPROPYLAMINE (I) |

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| Waste Code: | U111 |
| Waste Description: | 1-PROPANAMINE, N-NITROSO-N-PROPYL- (OR) DI-N-PROPYLNITROSAMINE |
| Waste Code: | U112 |
| Waste Description: | ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I) |
| Waste Code: | U113 |
| Waste Description: | 2-PROPENOIC ACID, ETHYL ESTER (I) (OR) ETHYL ACRYLATE (I) |
| Waste Code: | U114 |
| Waste Description: | CARBAMODITHIOIC ACID, 1,2-ETHANEDIYLBIS-, SALTS & ESTERS (OR) ETHYLENEBISDITHIOCARBAMIC ACID, SALTS & ESTERS |
| Waste Code: | U115 |
| Waste Description: | ETHYLENE OXIDE (I,T) (OR) OXIRANE (I,T) |
| Waste Code: | U116 |
| Waste Description: | 2-IMIDAZOLIDINETHIONE (OR) ETHYLENETHIOUREA |
| Waste Code: | U117 |
| Waste Description: | ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I) |
| Waste Code: | U118 |
| Waste Description: | 2-PROPENOIC ACID, 2-METHYL-, ETHYL ESTER (OR) ETHYL METHACRYLATE |
| Waste Code: | U119 |
| Waste Description: | ETHYL METHANESULFONATE (OR) METHANESULFONIC ACID, ETHYL ESTER |
| Waste Code: | U120 |
| Waste Description: | FLUORANTHENE |
| Waste Code: | U121 |
| Waste Description: | METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFUOROMETHANE |
| Waste Code: | U122 |
| Waste Description: | FORMALDEHYDE |
| Waste Code: | U123 |
| Waste Description: | FORMIC ACID (C,T) |
| Waste Code: | U124 |
| Waste Description: | FURAN (I) (OR) FURFURAN (I) |
| Waste Code: | U125 |
| Waste Description: | 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I) |
| Waste Code: | U126 |
| Waste Description: | GLYCIDYLALDEHYDE (OR) OXIRANECARBOXYALDEHYDE |
| Waste Code: | U127 |
| Waste Description: | BENZENE, HEXACHLORO- (OR) HEXACHLOROBENZENE |
| Waste Code: | U128 |
| Waste Description: | 1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO- (OR) HEXACHLOROBUTADIENE |
| Waste Code: | U129 |
| Waste Description: | CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, |

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5ALPHA, 6BETA)- (OR) LINDANE

Waste Code: U130

Waste Description: 1,3-CYCLOPENTADIENE, 1,2,3,4,5,5-HEXACHLORO- (OR)
HEXACHLOROCYCLOPENTADIENE

Waste Code: U131

Waste Description: ETHANE, HEXACHLORO- (OR) HEXACHLOROETHANE

Waste Code: U132

Waste Description: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

Waste Code: U133

Waste Description: HYDRAZINE (R,T)

Waste Code: U134

Waste Description: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Waste Code: U135

Waste Description: HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S

Waste Code: U136

Waste Description: ARSINIC ACID, DIMETHYL- (OR) CACODYLIC ACID

Waste Code: U137

Waste Description: INDENO[1,2,3-CD]PYRENE

Waste Code: U138

Waste Description: METHANE, IODO- (OR) METHYL IODIDE

Waste Code: U140

Waste Description: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

Waste Code: U141

Waste Description: 1,3-BENZODIOXOLE, 5-(1-PROPENYL)- (OR) ISOSAFROLE

Waste Code: U142

Waste Description: 1,3,4-METHENO-2H-CYCLOBUTA[CD]PENTALEN-2-ONE,
1,1A,3,3A,4,5,5,5A,5B,6-DECACHLOROCTAHYDRO- (OR) KEPONE

Waste Code: U143

Waste Description: 2-BUTENOIC ACID, 2-METHYL-,
7-[[2,3-DIHYDROXY-2-(1-METHOXYETHYL)-3-METHYL-1-OXOBUTOXY]METHYL]-2,3,
5,7A-TETRAHYDRO-1H-PYRROLIZIN-1-YL ESTER, [1S-[1ALPHA(Z), 7(2S*,3R*),
7AALPHA]]- (OR) LASIOCARPINE

Waste Code: U144

Waste Description: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

Waste Code: U145

Waste Description: LEAD PHOSPHATE (OR) PHOSPHORIC ACID, LEAD(2+) SALT (2:3)

Waste Code: U146

Waste Description: LEAD SUBACETATE (OR) LEAD, BIS(ACETATO-O)TETRAHYDROXYTRI-

Waste Code: U147

Waste Description: 2,5-FURANDIONE (OR) MALEIC ANHYDRIDE

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| Waste Code: | U148 |
| Waste Description: | 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO- (OR) MALEIC HYDRAZIDE |
| Waste Code: | U149 |
| Waste Description: | MALONONITRILE (OR) PROPANEDINITRILE |
| Waste Code: | U150 |
| Waste Description: | L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN |
| Waste Code: | U151 |
| Waste Description: | MERCURY |
| Waste Code: | U152 |
| Waste Description: | 2-PROPENENITRILE, 2-METHYL- (I,T) (OR) METHACRYLONITRILE (I,T) |
| Waste Code: | U153 |
| Waste Description: | METHANETHIOL (I,T) (OR) THIOMETHANOL (I,T) |
| Waste Code: | U154 |
| Waste Description: | METHANOL (I) (OR) METHYL ALCOHOL (I) |
| Waste Code: | U155 |
| Waste Description: | 1,2-ETHANEDIAMINE, N,N-DIMETHYL-N'-2-PYRIDINYL-N'-(2-THIENYLMETHYL)- (OR) METHAPYRILENE |
| Waste Code: | U156 |
| Waste Description: | CARBOCHLORIDIC ACID, METHYL ESTER, (I,T) (OR) METHYL CHLOROCARBONATE (I,T) |
| Waste Code: | U157 |
| Waste Description: | 3-METHYLCHOLANTHRENE (OR) BENZ[J]ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL- |
| Waste Code: | U158 |
| Waste Description: | 4,4'-METHYLENEBIS(2-CHLOROANILINE) (OR) BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO- |
| Waste Code: | U159 |
| Waste Description: | 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T) |
| Waste Code: | U160 |
| Waste Description: | 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T) |
| Waste Code: | U161 |
| Waste Description: | 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL- |
| Waste Code: | U162 |
| Waste Description: | 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T) |
| Waste Code: | U163 |
| Waste Description: | GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG |
| Waste Code: | U164 |
| Waste Description: | 4(1H)-PYRIMIDINONE, 2,3-DIHYDRO-6-METHYL-2-THIOXO- (OR) METHYLTHIOURACIL |

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| Waste Code: | U165 |
| Waste Description: | NAPHTHALENE |
| Waste Code: | U166 |
| Waste Description: | 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE |
| Waste Code: | U167 |
| Waste Description: | 1-NAPHTHALENAMINE (OR) ALPHA-NAPHTHYLAMINE |
| Waste Code: | U168 |
| Waste Description: | 2-NAPHTHALENAMINE (OR) BETA-NAPHTHYLAMINE |
| Waste Code: | U169 |
| Waste Description: | BENZENE, NITRO- (OR) NITROBENZENE (I,T) |
| Waste Code: | U170 |
| Waste Description: | P-NITROPHENOL (I,T) (OR) PHENOL, 4-NITRO- |
| Waste Code: | U171 |
| Waste Description: | 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T) |
| Waste Code: | U172 |
| Waste Description: | 1-BUTANAMINE, N-BUTYL-N-NITROSO- (OR) N-NITROSODI-N-BUTYLAMINE |
| Waste Code: | U173 |
| Waste Description: | ETHANOL, 2,2'-(NITROSOIMINO)BIS- (OR) N-NITROSODIETHANOLAMINE |
| Waste Code: | U174 |
| Waste Description: | ETHANAMINE, N-ETHYL-N-NITROSO- (OR) N-NITROSODIETHYLAMINE |
| Waste Code: | U176 |
| Waste Description: | N-NITROSO-N-ETHYLUREA (OR) UREA, N-ETHYL-N-NITROSO- |
| Waste Code: | U177 |
| Waste Description: | N-NITROSO-N-METHYLUREA (OR) UREA, N-METHYL-N-NITROSO- |
| Waste Code: | U178 |
| Waste Description: | CARBAMIC ACID, METHYLNITROSO-, ETHYL ESTER (OR) N-NITROSO-N-METHYLURETHANE |
| Waste Code: | U179 |
| Waste Description: | N-NITROSOPIPERIDINE (OR) PIPERIDINE, 1-NITROSO- |
| Waste Code: | U180 |
| Waste Description: | N-NITROSOPYRROLIDINE (OR) PYRROLIDINE, 1-NITROSO- |
| Waste Code: | U181 |
| Waste Description: | 5-NITRO-O-TOLUIDINE (OR) BENZENAMINE, 2-METHYL-5-NITRO |
| Waste Code: | U182 |
| Waste Description: | 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE |
| Waste Code: | U183 |
| Waste Description: | BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE |
| Waste Code: | U184 |
| Waste Description: | ETHANE, PENTACHLORO- (OR) PENTACHLOROETHANE |

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| Waste Code: | U185 |
| Waste Description: | BENZENE, PENTACHLORONITRO- (OR) PENTACHLORONITROBENZENE (PCNB) |
| Waste Code: | U186 |
| Waste Description: | 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I) |
| Waste Code: | U187 |
| Waste Description: | ACETAMIDE, N-(4-ETHOXYPHENYL)- (OR) PHENACETIN |
| Waste Code: | U188 |
| Waste Description: | PHENOL |
| Waste Code: | U189 |
| Waste Description: | PHOSPHORUS SULFIDE (R) (OR) SULFUR PHOSPHIDE (R) |
| Waste Code: | U190 |
| Waste Description: | 1,3-ISOBENZOFURANDIONE (OR) PHTHALIC ANHYDRIDE |
| Waste Code: | U191 |
| Waste Description: | 2-PICOLINE (OR) PYRIDINE, 2-METHYL- |
| Waste Code: | U192 |
| Waste Description: | BENZAMIDE, 3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL)- (OR) PRONAMIDE |
| Waste Code: | U193 |
| Waste Description: | 1,2-OXATHIOLANE, 2,2-DIOXIDE (OR) 1,3-PROPANE SULTONE |
| Waste Code: | U194 |
| Waste Description: | 1-PROPANAMINE (I,T) (OR) N-PROPYLAMINE (I,T) |
| Waste Code: | U196 |
| Waste Description: | PYRIDINE |
| Waste Code: | U197 |
| Waste Description: | 2,5-CYCLOHEXADIENE-1,4-DIONE (OR) P-BENZOQUINONE |
| Waste Code: | U200 |
| Waste Description: | RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)- |
| Waste Code: | U201 |
| Waste Description: | 1,3-BENZENEDIOL (OR) RESORCINOL |
| Waste Code: | U202 |
| Waste Description: | 1,2-BENZISOTHIAZOL-3(2H)-ONE, 1,1-DIOXIDE, & SALTS (OR) SACCHARIN, & SALTS |
| Waste Code: | U203 |
| Waste Description: | 1,3-BENZODIOXOLE, 5-(2-PROPENYL)- (OR) SAFROLE |
| Waste Code: | U204 |
| Waste Description: | SELENIOUS ACID (OR) SELENIUM DIOXIDE |
| Waste Code: | U205 |
| Waste Description: | SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T) |

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| Waste Code: | U206 |
| Waste Description: | D-GLUCOSE, 2-DEOXY-2-[[METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR) GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR) STREPTOZOTOCIN |
| Waste Code: | U207 |
| Waste Description: | 1,2,4,5-TETRACHLOROETHANE (OR) BENZENE, 1,2,4,5-TETRACHLORO- |
| Waste Code: | U208 |
| Waste Description: | 1,1,1,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,1,2-TETRACHLORO- |
| Waste Code: | U209 |
| Waste Description: | 1,1,2,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,2,2-TETRACHLORO- |
| Waste Code: | U210 |
| Waste Description: | ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE |
| Waste Code: | U211 |
| Waste Description: | CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO- |
| Waste Code: | U213 |
| Waste Description: | FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I) |
| Waste Code: | U214 |
| Waste Description: | ACETIC ACID, THALLIUM(1+) SALT (OR) THALLIUM(I) ACETATE |
| Waste Code: | U215 |
| Waste Description: | CARBONIC ACID, DITHALLIUM(1+) SALT (OR) THALLIUM(I) CARBONATE |
| Waste Code: | U216 |
| Waste Description: | THALLIUM CHLORIDE TLCL (OR) THALLIUM(I) CHLORIDE |
| Waste Code: | U217 |
| Waste Description: | NITRIC ACID, THALLIUM(1+) SALT (OR) THALLIUM(I) NITRATE |
| Waste Code: | U218 |
| Waste Description: | ETHANETHIOAMIDE (OR) THIOACETAMIDE |
| Waste Code: | U219 |
| Waste Description: | THIOUREA |
| Waste Code: | U220 |
| Waste Description: | BENZENE, METHYL- (OR) TOLUENE |
| Waste Code: | U221 |
| Waste Description: | BENZENEDIAMINE, AR-METHYL- (OR) TOLUENEDIAMINE |
| Waste Code: | U222 |
| Waste Description: | BENZENAMINE, 2-METHYL-, HYDROCHLORIDE (OR) O-TOLUIDINE HYDROCHLORIDE |
| Waste Code: | U223 |
| Waste Description: | BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T) |
| Waste Code: | U225 |
| Waste Description: | BROMOFORM (OR) METHANE, TRIBROMO- |
| Waste Code: | U226 |

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| Waste Description: | ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM |
| Waste Code: | U227 |
| Waste Description: | 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO- |
| Waste Code: | U228 |
| Waste Description: | ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE |
| Waste Code: | U234 |
| Waste Description: | 1,3,5-TRINITROBENZENE (R,T) (OR) BENZENE, 1,3,5-TRINITRO- |
| Waste Code: | U235 |
| Waste Description: | 1-PROPANOL, 2,3-DIBROMO-, PHOSPHATE (3:1) (OR) TRIS(2,3,-DIBROMOPROPYL) PHOSPHATE |
| Waste Code: | U236 |
| Waste Description: | 2,7-NAPHTHALENEDISULFONIC ACID,3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO -4-HYDROXY]-, TETRASODIUM SALT (OR) TRYPAN BLUE |
| Waste Code: | U237 |
| Waste Description: | 2,4-(1H,3H)-PYRIMIDINEDIONE, 5-[BIS(2-CHLOROETHYL)AMINO]- (OR) URACIL MUSTARD |
| Waste Code: | U238 |
| Waste Description: | CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE) |
| Waste Code: | U239 |
| Waste Description: | BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I) |
| Waste Code: | U240 |
| Waste Description: | 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D |
| Waste Code: | U243 |
| Waste Description: | 1-PROPENE, 1,1,2,3,3,3-HEXACHLORO- (OR) HEXACHLOROPROPENE |
| Waste Code: | U244 |
| Waste Description: | THIOPEROXYDICARBONIC DIAMIDE [(H2N)C(S)]2S2, TETRAMETHYL- (OR) THIRAM |
| Waste Code: | U246 |
| Waste Description: | CYANOGEN BROMIDE (CN)BR |
| Waste Code: | U247 |
| Waste Description: | BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-METHOXY- (OR) METHOXYCHLOR |
| Waste Code: | U248 |
| Waste Description: | 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYL-BUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS |
| Waste Code: | U249 |
| Waste Description: | ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS |
| Waste Code: | U271 |
| Waste Description: | BENOMYL (OR) CARBAMIC ACID, |

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[1-[(BUTYLAMINO)CARBONYL]-1H-BENZIMIDAZOL-2-YL]-, METHYL ESTER

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| Waste Code: | U277 |
| Waste Description: | SULFALLATE (OR) CARBAMODITHIOIC ACID, DIETHYL-, 2-CHLORO-2-PROPENYL ESTER |
| Waste Code: | U278 |
| Waste Description: | BENDIOCARB (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL-, METHYL CARBAMATE |
| Waste Code: | U279 |
| Waste Description: | U279 |
| Waste Code: | U280 |
| Waste Description: | BARBAN (OR) CARBAMIC ACID, (3-CHLOROPHENYL)-, 4-CHLORO-2-BUTYNYL ESTER |
| Waste Code: | U328 |
| Waste Description: | BENZENAMINE, 2-METHYL- (OR) O-TOLUIDINE |
| Waste Code: | U353 |
| Waste Description: | BENZENAMINE, 4-METHYL- (OR) P-TOLUIDINE |
| Waste Code: | U359 |
| Waste Description: | ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER |
| Waste Code: | U364 |
| Waste Description: | BENDIOCARB PHENOL (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL- |
| Waste Code: | U365 |
| Waste Description: | H-AZEPINE-1-CARBOTHIOIC ACID, HEXAHYDRO-, S-ETHYL ESTER (OR) MOLINATE |
| Waste Code: | U366 |
| Waste Description: | DAZOMET (OR) 2H-1,3,5-THIADIAZINE- 2-THIONE, TETRAHYDRO-3,5-DIMETHYL- |
| Waste Code: | U367 |
| Waste Description: | 7-BENZOFURANOL, 2,3-DIHYDRO-2,2-DIMETHYL- (OR) CARBOFURAN PHENOL |
| Waste Code: | U372 |
| Waste Description: | CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (OR) CARBENDAZIM |
| Waste Code: | U373 |
| Waste Description: | CARBAMIC ACID, PHENYL-, 1-METHYLETHYL ESTER (OR) PROPHAM |
| Waste Code: | U375 |
| Waste Description: | CARBAMIC ACID, BUTYL-, 3-IODO-2-PROPYNYL ESTER (OR) 3-IODO-2-PROPYNYL N-BUTYLCARBAMATE |
| Waste Code: | U376 |
| Waste Description: | CARBAMODITHIOIC ACID, DIMETHYL-, TETRAANHYDROSULFIDE WITH ORTHOTHIOSETENIOUS ACID (OR) SELENIUM, TETRAKIS (DIMETHYLDITHIOCARBAMATE) |
| Waste Code: | U377 |
| Waste Description: | CARBAMODITHIOIC ACID, METHYL-, MONOPOTASSIUM SALT (OR) POTASSIUM N-METHYLDITHIOCARBAMATE |
| Waste Code: | U378 |
| Waste Description: | CARBAMODITHIOIC ACID, (HYDROXYMETHYL) METHYL-, MONOPOTASSIUM SALT (OR) |

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POTASSIUM N-HYDROXYMETHYL- N-METHYLDI-THIOCARBAMATE

Waste Code: U379
Waste Description: SODIUM DIBUTYLDITHIOCARBAMATE (OR) CARBAMODITHIOIC ACID, DIBUTYL, SODIUM SALT

Waste Code: U381
Waste Description: CARBAMODITHIOIC ACID, DIETHYL-, SODIUM SALT (OR) SODIUM DIETHYLDITHIOCARBAMATE

Waste Code: U382
Waste Description: CARBAMODITHIOIC ACID, DIMETHYL-, SODIUM SALT (OR) SODIUM DIMETHYLDITHIOCARBAMATE

Waste Code: U383
Waste Description: CARBAMODITHIOIC ACID, DIMETHYL, POTASSIUM SALT (OR) POTASSIUM DIMETHYLDITHIOCARBAMATE

Waste Code: U384
Waste Description: CARBAMODITHIOIC ACID, METHYL-, MONOSODIUM SALT (OR) METAM SODIUM

Waste Code: U385
Waste Description: CARBAMODITHIOIC ACID, DIPROPYL-, S-PROPYL ESTER

Waste Code: U386
Waste Description: CARBAMODITHIOIC ACID, CYCLOHEXYLETHYL-, S-ETHYL ESTER (OR) CYCLOATE

Waste Code: U387
Waste Description: CARBAMODITHIOIC ACID, DIPROPYL-, S-(PHENYLMETHYL) ESTER (OR) PROSULFOCARB

Waste Code: U389
Waste Description: CARBAMODITHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3,3-TRICHLORO-2-PROPENYL) ESTER (OR) TRIALLATE

Waste Code: U390
Waste Description: CARBAMODITHIOIC ACID, DIPROPYL-, S-ETHYL ESTER (OR) EPTC

Waste Code: U391
Waste Description: CARBAMODITHIOIC ACID, BUTYLETHYL-, S-PROPYL ESTER (OR) PEBULATE

Waste Code: U392
Waste Description: BUTYLATE (OR) CARBAMODITHIOIC ACID, BIS(2-METHYLPROPYL)-, S-ETHYL ESTER

Waste Code: U393
Waste Description: COPPER, BIS(DIMETHYLCARBAMODITHIOATO-S,S')- (OR) COPPER DIMETHYLDITHIOCARBAMATE

Waste Code: U394
Waste Description: A2213 (OR) ETHANIMIDOTHIOIC ACID, 2-(DIMETHYLAMINO)-N-HYDROXY-2-OXO-, METHYL ESTER

Waste Code: U395
Waste Description: DIETHYLENE GLYCOL, DICARBAMATE (OR) ETHANOL, 2,2'-OXYBIS-, DICARBAMATE

Waste Code: U396
Waste Description: FERBAM (OR) IRON, TRIS(DIMETHYLCARBAMODITHIOATO-S,S')-,

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Waste Code: U400
Waste Description: BIS(PENTAMETHYLENE)THIURAM TETRASULFIDE (OR) PIPERIDINE, 1,1'-(TETRATHIODICARBONOTHIOYL)-BIS-

Waste Code: U401
Waste Description: BIS(DIMETHYLTHIOCARBAMOYL) SULFIDE (OR) TETRAMETHYLTHIURAM MONOSULFIDE

Waste Code: U402
Waste Description: TETRABUTYLTHIURAM DISULFIDE (OR) THIOPEROXYDICARBONIC DIAMIDE, TETRABUTYL

Waste Code: U403
Waste Description: DISULFIRAM (OR) THIOPEROXYDICARBONIC DIAMIDE, TETRAETHYL

Waste Code: U404
Waste Description: U404

Waste Code: U407
Waste Description: ETHYL ZIRAM

Waste Code: U409
Waste Description: CARBAMIC ACID, [1,2-PHENYLENEBIS (IMINOCARBONOTHIOYL)]BIS-, DIMETHYL ESTER (OR) THIOPHANATE-METHYL

Waste Code: U410
Waste Description: ETHANIMIDOTHIOIC ACID, N,N'-[THIOBIS[(METHYLIMINO)CARBONYLOXY]]BIS-, DIMETHYL ESTER (OR) THIODICARB

Waste Code: U411
Waste Description: U411

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS UNIV OF MO S & T
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: 573-882-2388
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MISSOURI S & T
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------------------|------------------------------|
| Owner/Operator Name: | BOARD OF CURATORS UM |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | UNIVERSITY OF MISSOURI-ROLLA |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NA NA |
| Owner/Operator City,State,Zip: | ROLLA, MO 65401 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | UNIVERSITY OF MISSOURI-ROLLA |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS FOR UM |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS UM |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS FOR UNIVERSITY-MO
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: UNIVERSITY OF MISSOURI-ROLLA
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BOARD OF CURATORS UM
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: 573-882-2388
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS UNIVERSITY OF MI
Legal Status: State
Date Became Current: 19990309
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: 573-882-2388
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MISSOURI UNIV OF SCIENCE & TECHNOLOGY
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: 1201 N STATE ST ROOM 108
Owner/Operator City,State,Zip: ROLLA, MO 65409

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Owner/Operator Telephone: 573-341-7646
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS FOR UM
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: 573-882-2388
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS UNIVERSITY OF UM
Legal Status: State
Date Became Current: 19990309
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: 573-882-2388
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BOARD OF CURATORS UNIVERSITY OF MI
Legal Status: State
Date Became Current: 19990309
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: 573-882-2388
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: UNIVERSITY OF MISSOURI-ROLLA
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS FOR UM
Legal Status: State
Date Became Current: 19800119

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------------------|------------------------------------|
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS FOR UM |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MISSOURI S&T |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | UNIVERSITY OF MISSOURI-ROLLA |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------------------|---|
| Owner/Operator Name: | BOARD OF CURATORS FOR UMR |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MISSOURI UNIVERSITY OF SCIENCE & TECH |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | UNIVERSITY OF MISSOURI - ROLLA |
| Legal Status: | State |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 215 ALTMAN HALL |
| Owner/Operator City,State,Zip: | ROLLA, MO 65401 |
| Owner/Operator Telephone: | 573-431-4480 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MISSOURI UNIVERSITY OF SCIENCE AND TECH |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |

Map ID
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Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--|--|
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CURATORS OF THE UNIVERSITY OF MISSOURI |
| Legal Status: | State |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Historic Generators: | |
| Receive Date: | 19801114 |
| Handler Name: | UNIVERSITY OF MISSOURI ROLLA |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20100301
Handler Name: DANGEROUS MATERIALS STORAGE BUILDING
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120312
Handler Name: DANGEROUS MATERIALS STORAGE BUILDING
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140212
Handler Name: DANGEROUS MATERIALS STORAGE BUILDING
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160126
Handler Name: DANGEROUS MATERIALS STORAGE BUILDING
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Electronic Manifest Broker: Not reported

Receive Date: 20180206
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Yes
Electronic Manifest Broker: No

Receive Date: 20200213
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Yes
Electronic Manifest Broker: No

Receive Date: 20220215
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Yes
Electronic Manifest Broker: Yes

Receive Date: 19970610
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020916
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Large Quantity Generator

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19930803
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040602
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20061026
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990308
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080107
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY MISSOURI S&T
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160926
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920228
Handler Name: UNIVERSITY OF MISSOURI - ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940404
Handler Name: UMR DANGEROUS MATERIALS STORAGE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Receive Date: 19960215
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980309
Handler Name: UNIVERSITY OF MISSOURI - ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020214
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040225
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060203
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080211
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY MISSOURI S&T
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 61131
NAICS Description: COLLEGES, UNIVERSITIES, AND PROFESSIONAL SCHOOLS

Facility Has Received Notices of Violation:

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19930429
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19921007
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19921007
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1

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Final Amount: 13000

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Transporters - Manifest and Recordkeeping

Date Violation was Determined: 19920522

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 1

SEP Expenditure Amount: 358706

SEP Scheduled Completion Date: 19990630

SEP Actual Date: 19990520

SEP Defaulted Date: Not reported

SEP Type: EPP

SEP Type Description: Emergency Planning and Preparedness

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: State

Violation Short Description: Generators - Pre-transport

Date Violation was Determined: 20010223

Actual Return to Compliance Date: 20010223

Return to Compliance Qualifier: Unverifiable

Violation Responsible Agency: State

Scheduled Compliance Date: Not reported

Enforcement Identifier: Not reported

Date of Enforcement Action: Not reported

Enforcement Responsible Agency: Not reported

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: Not reported

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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|---|------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19900418 |
| Actual Return to Compliance Date: | 19900503 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19900430 |
| Enforcement Identifier: | 010 |
| Date of Enforcement Action: | 19900418 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19900418 |
| Actual Return to Compliance Date: | 19900503 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19900430 |
| Enforcement Identifier: | 010 |
| Date of Enforcement Action: | 19900418 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19890724 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19921007 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19920724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19891222
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 6500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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| | |
|---|----------------------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General Facility Standards |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20030917 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19890724 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 008 |
| Date of Enforcement Action: | 19890708 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19900418
Actual Return to Compliance Date: 19900503
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19900430
Enforcement Identifier: 010
Date of Enforcement Action: 19900418
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|----------------------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19940804 |
| Actual Return to Compliance Date: | 19950711 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 2 |
| SEP Expenditure Amount: | 428000 |
| SEP Scheduled Completion Date: | 20011231 |
| SEP Actual Date: | 20001222 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EAP |
| SEP Type Description: | Environmental Awareness Programs |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |
| Final Amount: | 176119 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | TSD - Closure/Post-Closure |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19881115 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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| | |
|---|--------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Unknown |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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| | |
|---|------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19910215 |
| Actual Return to Compliance Date: | 19910402 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19910322 |
| Enforcement Identifier: | 013 |
| Date of Enforcement Action: | 19910322 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19910207 |
| Actual Return to Compliance Date: | 19910215 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19910215 |
| Enforcement Identifier: | 011 |
| Date of Enforcement Action: | 19910207 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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| | |
|---|-----------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Manifest |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20020917 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

Map ID
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 19920522

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 3

SEP Expenditure Amount: 80000

SEP Scheduled Completion Date: 20030601

SEP Actual Date: 20020103

SEP Defaulted Date: Not reported

SEP Type: EAA

SEP Type Description: Environmental Audits and Assessment

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: No

Agency Which Determined Violation: Not reported

Violation Short Description: Not reported

Date Violation was Determined: Not reported

Actual Return to Compliance Date: Not reported

Return to Compliance Qualifier: Not reported

Violation Responsible Agency: Not reported

Scheduled Compliance Date: Not reported

Enforcement Identifier: Not reported

Date of Enforcement Action: Not reported

Enforcement Responsible Agency: Not reported

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: Not reported

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|-------------------------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19940804 |
| Actual Return to Compliance Date: | 19950711 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 3 |
| SEP Expenditure Amount: | 80000 |
| SEP Scheduled Completion Date: | 20030601 |
| SEP Actual Date: | 20020103 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EAA |
| SEP Type Description: | Environmental Audits and Assessment |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |
| Final Amount: | 176119 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20020911 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Transporters - Manifest and Recordkeeping
Date Violation was Determined: 19950712
Actual Return to Compliance Date: 19960827
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - General

Date Violation was Determined: 19870910

Actual Return to Compliance Date: 19921007

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 001

Date of Enforcement Action: 19890926

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: INITIAL 3008(A) COMPLIANCE

Enforcement Responsible Person: Not reported

Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported

SEP Scheduled Completion Date: Not reported

SEP Actual Date: Not reported

SEP Defaulted Date: Not reported

SEP Type: Not reported

SEP Type Description: Not reported

Proposed Amount: 6500

Final Monetary Amount: Not reported

Paid Amount: Not reported

Final Count: Not reported

Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - General

Date Violation was Determined: 19870910

Actual Return to Compliance Date: 19921007

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19921007

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: R7

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20020917
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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|---|------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19920724 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19890724 |
| Enforcement Identifier: | 008 |
| Date of Enforcement Action: | 19890708 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19921007 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 002 |
| Date of Enforcement Action: | 19880401 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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|---|------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|-----------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19921007 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 002 |
| Date of Enforcement Action: | 19880401 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Manifest |
| Date Violation was Determined: | 19990223 |
| Actual Return to Compliance Date: | 19990308 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19990909 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20030806
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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| | |
|---|----------------------|
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 20010223 |
| Actual Return to Compliance Date: | 20010223 |
| Return to Compliance Qualifier: | Unverifiable |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19920724 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19890724 |
| Enforcement Identifier: | 008 |
| Date of Enforcement Action: | 19890708 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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| | |
|---|------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19880416 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19880416 |
| Enforcement Identifier: | 002 |
| Date of Enforcement Action: | 19880401 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|--------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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| | |
|---|------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19890724 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19890724 |
| Enforcement Identifier: | 008 |
| Date of Enforcement Action: | 19890708 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19910207 |
| Actual Return to Compliance Date: | 19910215 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19910215 |
| Enforcement Identifier: | 011 |
| Date of Enforcement Action: | 19910207 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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|---|------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Universal Waste - Small Quantity Handlers

Date Violation was Determined: 20080430

Actual Return to Compliance Date: 20080513

Return to Compliance Qualifier: Documented

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 001

Date of Enforcement Action: 20080430

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: 20080630

Disposition Status: AS

Disposition Status Description: ACTION SATISFIED (CASE CLOSED)

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: WRITTEN INFORMAL

Enforcement Responsible Person: R7JWB

Enforcement Responsible Sub-Organization: ENSV

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported

SEP Scheduled Completion Date: Not reported

SEP Actual Date: Not reported

SEP Defaulted Date: Not reported

SEP Type: Not reported

SEP Type Description: Not reported

Proposed Amount: Not reported

Final Monetary Amount: Not reported

Paid Amount: Not reported

Final Count: Not reported

Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 19940804

Actual Return to Compliance Date: 19950711

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19960927

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20061102
Actual Return to Compliance Date: 20061110
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20061102
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: 20061215
Disposition Status: AS
Disposition Status Description: ACTION SATISFIED (CASE CLOSED)
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7JWB
Enforcement Responsible Sub-Organization: ENSV
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 19930429

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 2

SEP Expenditure Amount: 428000

SEP Scheduled Completion Date: 20011231

SEP Actual Date: 20001222

SEP Defaulted Date: Not reported

SEP Type: EAP

SEP Type Description: Environmental Awareness Programs

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - General

Date Violation was Determined: 19880928

Actual Return to Compliance Date: 19891026

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19921007

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: R7

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Unknown
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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| | |
|---|---------------|
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19880928 |
| Actual Return to Compliance Date: | 19891026 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 19890926 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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|---|----------------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 6500 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19930429 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 176119 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: LDR - General

Date Violation was Determined: 19880928

Actual Return to Compliance Date: 19881013

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: 19881013

Enforcement Identifier: 005

Date of Enforcement Action: 19880928

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: WRITTEN INFORMAL

Enforcement Responsible Person: Not reported

Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported

SEP Scheduled Completion Date: Not reported

SEP Actual Date: Not reported

SEP Defaulted Date: Not reported

SEP Type: Not reported

SEP Type Description: Not reported

Proposed Amount: Not reported

Final Monetary Amount: Not reported

Paid Amount: Not reported

Final Count: Not reported

Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - Closure/Post-Closure

Date Violation was Determined: 19920522

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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MAP FINDINGS

Site

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19920724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19921007
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Final Amount: 13000

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Transporters - Manifest and Recordkeeping

Date Violation was Determined: 19920522

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 3

SEP Expenditure Amount: 80000

SEP Scheduled Completion Date: 20030601

SEP Actual Date: 20020103

SEP Defaulted Date: Not reported

SEP Type: EAA

SEP Type Description: Environmental Audits and Assessment

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - Pre-transport

Date Violation was Determined: 20020911

Actual Return to Compliance Date: 20030917

Return to Compliance Qualifier: Documented

Violation Responsible Agency: EPA

Scheduled Compliance Date: 20020925

Enforcement Identifier: 001

Date of Enforcement Action: 20020910

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

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|---|-------------------------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19940804 |
| Actual Return to Compliance Date: | 19950711 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 1 |
| SEP Expenditure Amount: | 358706 |
| SEP Scheduled Completion Date: | 19990630 |
| SEP Actual Date: | 19990520 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EPP |
| SEP Type Description: | Emergency Planning and Preparedness |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 20020911

Actual Return to Compliance Date: 20020917

Return to Compliance Qualifier: Documented

Violation Responsible Agency: EPA

Scheduled Compliance Date: 20020925

Enforcement Identifier: 001

Date of Enforcement Action: 20020910

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: WRITTEN INFORMAL

Enforcement Responsible Person: R7KDS

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported

SEP Scheduled Completion Date: Not reported

SEP Actual Date: Not reported

SEP Defaulted Date: Not reported

SEP Type: Not reported

SEP Type Description: Not reported

Proposed Amount: Not reported

Final Monetary Amount: Not reported

Paid Amount: Not reported

Final Count: Not reported

Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: State

Violation Short Description: Generators - Pre-transport

Date Violation was Determined: 20010223

Actual Return to Compliance Date: 20010223

Return to Compliance Qualifier: Unverifiable

Violation Responsible Agency: State

Scheduled Compliance Date: Not reported

Enforcement Identifier: Not reported

Date of Enforcement Action: Not reported

Enforcement Responsible Agency: Not reported

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: Not reported

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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| | |
|---|---|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Transporters - Manifest and Recordkeeping |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 176119 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|----------------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19880928 |
| Actual Return to Compliance Date: | 19881013 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19881013 |
| Enforcement Identifier: | 005 |
| Date of Enforcement Action: | 19880928 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20020917 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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Database(s)

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--------------------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 20080430 |
| Actual Return to Compliance Date: | 20080513 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20080430 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | 20080630 |
| Disposition Status: | AS |
| Disposition Status Description: | ACTION SATISFIED (CASE CLOSED) |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7JWB |
| Enforcement Responsible Sub-Organization: | ENSV |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Used Oil - Generators

Date Violation was Determined: 20080430

Actual Return to Compliance Date: 20080513

Return to Compliance Qualifier: Documented

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 001

Date of Enforcement Action: 20080430

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: 20080630

Disposition Status: AS

Disposition Status Description: ACTION SATISFIED (CASE CLOSED)

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: WRITTEN INFORMAL

Enforcement Responsible Person: R7JWB

Enforcement Responsible Sub-Organization: ENSV

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported

SEP Scheduled Completion Date: Not reported

SEP Actual Date: Not reported

SEP Defaulted Date: Not reported

SEP Type: Not reported

SEP Type Description: Not reported

Proposed Amount: Not reported

Final Monetary Amount: Not reported

Paid Amount: Not reported

Final Count: Not reported

Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - General

Date Violation was Determined: 19880928

Actual Return to Compliance Date: 19891026

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 005

Date of Enforcement Action: 19880928

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19900418
Actual Return to Compliance Date: 19900503
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19900430
Enforcement Identifier: 010
Date of Enforcement Action: 19900418
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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|---|---|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 1 |
| SEP Expenditure Amount: | 358706 |
| SEP Scheduled Completion Date: | 19990630 |
| SEP Actual Date: | 19990520 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EPP |
| SEP Type Description: | Emergency Planning and Preparedness |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |
| Final Amount: | 176119 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Transporters - Manifest and Recordkeeping |
| Date Violation was Determined: | 19950712 |
| Actual Return to Compliance Date: | 19960827 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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|---|----------------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 176119 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19880928 |
| Actual Return to Compliance Date: | 19881013 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19881013 |
| Enforcement Identifier: | 005 |
| Date of Enforcement Action: | 19880928 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

Map ID
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MAP FINDINGS

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Database(s)

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EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|----------------------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Permits - Application |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20021015 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General Facility Standards |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MAP FINDINGS

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1

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MAP FINDINGS

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 19940804

Actual Return to Compliance Date: 19950711

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 1

SEP Expenditure Amount: 358706

SEP Scheduled Completion Date: 19990630

SEP Actual Date: 19990520

SEP Defaulted Date: Not reported

SEP Type: EPP

SEP Type Description: Emergency Planning and Preparedness

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - Closure/Post-Closure

Date Violation was Determined: 19920522

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19960927

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|--------------------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 176119 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19881115 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19921007 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 13000 |
| Paid Amount: | 13000 |
| Final Count: | 1 |

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|--------------|
| Final Amount: | 13000 |
| Found Violation: | Unknown |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19921007 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 008 |
| Date of Enforcement Action: | 19890708 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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MAP FINDINGS

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EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 19940804

Actual Return to Compliance Date: 19950711

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 3

SEP Expenditure Amount: 80000

SEP Scheduled Completion Date: 20030601

SEP Actual Date: 20020103

SEP Defaulted Date: Not reported

SEP Type: EAA

SEP Type Description: Environmental Audits and Assessment

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - General Facility Standards

Date Violation was Determined: 19930429

Actual Return to Compliance Date: 19930508

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: Not reported

Date of Enforcement Action: Not reported

Enforcement Responsible Agency: Not reported

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: Not reported

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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Database(s)

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|--------------------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19921007 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19921007 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 13000 |
| Paid Amount: | 13000 |
| Final Count: | 1 |

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|---|
| Final Amount: | 13000 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 176119 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Transporters - Manifest and Recordkeeping |
| Date Violation was Determined: | 19950712 |
| Actual Return to Compliance Date: | 19960827 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|-------------------------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 3 |
| SEP Expenditure Amount: | 80000 |
| SEP Scheduled Completion Date: | 20030601 |
| SEP Actual Date: | 20020103 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EAA |
| SEP Type Description: | Environmental Audits and Assessment |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |
| Final Amount: | 176119 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19871029 |
| Actual Return to Compliance Date: | 19981113 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|----------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19930429 |
| Actual Return to Compliance Date: | 19930509 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19940804 |
| Actual Return to Compliance Date: | 19950711 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 19990223
Actual Return to Compliance Date: 19990308
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19990909
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|----------------------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General Facility Standards |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 176119 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19940804 |
| Actual Return to Compliance Date: | 19940822 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19940822 |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19940804 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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|---|-----------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Manifest |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20020917 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - General Facility Standards

Date Violation was Determined: 19920522

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 3

SEP Expenditure Amount: 80000

SEP Scheduled Completion Date: 20030601

SEP Actual Date: 20020103

SEP Defaulted Date: Not reported

SEP Type: EAA

SEP Type Description: Environmental Audits and Assessment

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Permits - Application

Date Violation was Determined: 20020911

Actual Return to Compliance Date: 20021015

Return to Compliance Qualifier: Documented

Violation Responsible Agency: EPA

Scheduled Compliance Date: 20020925

Enforcement Identifier: 001

Date of Enforcement Action: 20020910

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Transporters - Manifest and Recordkeeping
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1

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Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 19940804

Actual Return to Compliance Date: 19950711

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 2

SEP Expenditure Amount: 428000

SEP Scheduled Completion Date: 20011231

SEP Actual Date: 20001222

SEP Defaulted Date: Not reported

SEP Type: EAP

SEP Type Description: Environmental Awareness Programs

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Permits - Application

Date Violation was Determined: 20020911

Actual Return to Compliance Date: 20030917

Return to Compliance Qualifier: Documented

Violation Responsible Agency: EPA

Scheduled Compliance Date: 20020925

Enforcement Identifier: 001

Date of Enforcement Action: 20020910

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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|---|-------------------------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 3 |
| SEP Expenditure Amount: | 80000 |
| SEP Scheduled Completion Date: | 20030601 |
| SEP Actual Date: | 20020103 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EAA |
| SEP Type Description: | Environmental Audits and Assessment |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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|---|----------------------------------|
| Final Amount: | 176119 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 2 |
| SEP Expenditure Amount: | 428000 |
| SEP Scheduled Completion Date: | 20011231 |
| SEP Actual Date: | 20001222 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EAP |
| SEP Type Description: | Environmental Awareness Programs |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |
| Final Amount: | 176119 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19910215 |
| Actual Return to Compliance Date: | 19910402 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19910322 |
| Enforcement Identifier: | 013 |
| Date of Enforcement Action: | 19910322 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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|---|------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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|---|----------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19920724 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 008 |
| Date of Enforcement Action: | 19890708 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19930429 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|----------------------|
| Final Amount: | 176119 |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19880928
Actual Return to Compliance Date: 19881013
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19881013
Enforcement Identifier: 005
Date of Enforcement Action: 19880928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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|---|----------------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19890724 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 007 |
| Date of Enforcement Action: | 19891222 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 6500 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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|---|------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19940804 |
| Actual Return to Compliance Date: | 19940822 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19940822 |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19940804 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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|---|-----------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19871029 |
| Actual Return to Compliance Date: | 19981113 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Permits - Application |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20020917 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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|---|----------------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19921007 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 19890926 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 6500 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|----------------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19921007 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 007 |
| Date of Enforcement Action: | 19891222 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 6500 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|--------------------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19881115 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19921007 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 13000 |
| Paid Amount: | 13000 |
| Final Count: | 1 |

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| | |
|---|-------------------------------------|
| Final Amount: | 13000 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 1 |
| SEP Expenditure Amount: | 358706 |
| SEP Scheduled Completion Date: | 19990630 |
| SEP Actual Date: | 19990520 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EPP |
| SEP Type Description: | Emergency Planning and Preparedness |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |
| Final Amount: | 176119 |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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|---|----------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19991221 |
| Actual Return to Compliance Date: | 20000531 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20000224 |
| Enforcement Responsible Agency: | State |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | ENF |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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| | |
|---|---|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19880416 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19880416 |
| Enforcement Identifier: | 002 |
| Date of Enforcement Action: | 19880401 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Transporters - Manifest and Recordkeeping |
| Date Violation was Determined: | 19950712 |
| Actual Return to Compliance Date: | 19960827 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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|---|----------------------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 2 |
| SEP Expenditure Amount: | 428000 |
| SEP Scheduled Completion Date: | 20011231 |
| SEP Actual Date: | 20001222 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EAP |
| SEP Type Description: | Environmental Awareness Programs |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |
| Final Amount: | 176119 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 176119 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - General Facility Standards

Date Violation was Determined: 19920522

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 2

SEP Expenditure Amount: 428000

SEP Scheduled Completion Date: 20011231

SEP Actual Date: 20001222

SEP Defaulted Date: Not reported

SEP Type: EAP

SEP Type Description: Environmental Awareness Programs

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: No

Agency Which Determined Violation: Not reported

Violation Short Description: Not reported

Date Violation was Determined: Not reported

Actual Return to Compliance Date: Not reported

Return to Compliance Qualifier: Not reported

Violation Responsible Agency: Not reported

Scheduled Compliance Date: Not reported

Enforcement Identifier: Not reported

Date of Enforcement Action: Not reported

Enforcement Responsible Agency: Not reported

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: Not reported

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported

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| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20010223 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | MOPJ |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20010223 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19900418 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19900503 |
| Scheduled Compliance Date: | 19900430 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19900418 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19900503 |
| Scheduled Compliance Date: | 19900430 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19890724 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |

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|---|--|
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19920724 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7KDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20030917 |
| Scheduled Compliance Date: | 20020925 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19890724 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19900418 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19900503 |
| Scheduled Compliance Date: | 19900430 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19940804 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |

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Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOJW
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881115
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19960827
Evaluation Responsible Agency: EPA
Found Violation: Undetermined
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RMV
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910215
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R7PAS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19910402
Scheduled Compliance Date: 19910322
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910207
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7PAS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19910215
Scheduled Compliance Date: 19910215
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported

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|---|--|
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7KDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20020917 |
| Scheduled Compliance Date: | 20020925 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19960927 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | No |
| Evaluation Type Description: | SIGNIFICANT NON-COMPLIER |
| Evaluation Responsible Person Identifier: | R7EGB |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19860812 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | No |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19940804 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |

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Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020911
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950712
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19960827
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported

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|---|--|
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7KDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20020917 |
| Scheduled Compliance Date: | 20020925 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19920724 |
| Scheduled Compliance Date: | 19890724 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19870910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19921007 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19971231 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | No |
| Evaluation Type Description: | NOT A SIGNIFICANT NON-COMPLIER |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

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Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19990223
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7JWB
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19990308
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20030806
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20010720
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOPJ
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20010223
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOPJ

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Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20010223
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920724
Scheduled Compliance Date: 19890724
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19880416
Scheduled Compliance Date: 19880416
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20011012
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: MOPJ
Evaluation Responsible Sub-Organization: ENF
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported

Map ID
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MAP FINDINGS

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--|
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19890724 |
| Scheduled Compliance Date: | 19890724 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19910207 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7PAS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19910215 |
| Scheduled Compliance Date: | 19910215 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19940804 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | No |
| Evaluation Type Description: | SIGNIFICANT NON-COMPLIER |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20080430 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7JWB |
| Evaluation Responsible Sub-Organization: | ENS |
| Actual Return to Compliance Date: | 20080513 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19940804 |
| Evaluation Responsible Agency: | EPA |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20061101
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7JWB
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20061110
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19891026
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19991221
Evaluation Responsible Agency: EPA
Found Violation: Undetermined
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: R7JWB
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

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| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19850625 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | No |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19880928 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19891026 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19930429 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19880928 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19881013 |
| Scheduled Compliance Date: | 19881013 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

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Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920724
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20030917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20010223
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOPJ
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20010223
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881013
Scheduled Compliance Date: 19881013
Date of Request: Not reported
Date Response Received: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

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| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7KDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20020917 |
| Scheduled Compliance Date: | 20020925 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20080430 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7JWB |
| Evaluation Responsible Sub-Organization: | ENSV |
| Actual Return to Compliance Date: | 20080513 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20080430 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7JWB |
| Evaluation Responsible Sub-Organization: | ENSV |
| Actual Return to Compliance Date: | 20080513 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19880928 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19891026 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19900418 |
| Evaluation Responsible Agency: | EPA |

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|---|--|
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19900503 |
| Scheduled Compliance Date: | 19900430 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19950712 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19960827 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19880928 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19881013 |
| Scheduled Compliance Date: | 19881013 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7KDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20021015 |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Evaluation Date: 19870910
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOJW
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881115
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19970610
Evaluation Responsible Agency: EPA
Found Violation: Undetermined
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RMV
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19981113
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: R7EGB
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM

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Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19930508
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950712
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19960827
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported

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| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19871029 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | NON-FINANCIAL RECORD REVIEW |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19981113 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19930429 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19930509 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19940804 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19950711 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19990223 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7JWB |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19990308 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |

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Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19940822
Scheduled Compliance Date: 19940822
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20021015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20030917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910215
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R7PAS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19910402
Scheduled Compliance Date: 19910322
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20070418
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE ASSISTANCE VISIT
Evaluation Responsible Person Identifier: MO-MD
Evaluation Responsible Sub-Organization: PER
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920724
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM

Map ID
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Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881013
Scheduled Compliance Date: 19881013
Date of Request: Not reported
Date Response Received: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--|
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19890724 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19960827 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | No |
| Evaluation Type Description: | NOT A SIGNIFICANT NON-COMPLIER |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19940804 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19940822 |
| Scheduled Compliance Date: | 19940822 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19871029 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | NON-FINANCIAL RECORD REVIEW |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19981113 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |

Map ID
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Elevation

MAP FINDINGS

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EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20010919
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOSW
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOJW
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881115

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Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950712
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19991221
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: ENF
Actual Return to Compliance Date: 20000531
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19880416
Scheduled Compliance Date: 19880416
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Date: 19950712
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19960827
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950711
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

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 EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

RCRA-LQG:

| | |
|--|---|
| Date Form Received by Agency: | 20220215 |
| Handler Name: | MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY |
| Handler Address: | 905 FACILITIES AVE |
| Handler City,State,Zip: | ROLLA, MO 65409-6514 |
| EPA ID: | MOD000677773 |
| Contact Name: | TONY HUNT |
| Contact Address: | NORTH STATE ST RM 108 |
| Contact City,State,Zip: | ROLLA, MO 65409-6535 |
| Contact Telephone: | 573-341-7645 |
| Contact Fax: | Not reported |
| Contact Email: | THUNT@MST.EDU |
| Contact Title: | ASSISTANT DIRECTOR EHS |
| EPA Region: | 07 |
| Land Type: | State |
| Federal Waste Generator Description: | Large Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | 2021 |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | NORTH STATE ST RM 108 |
| Mailing City,State,Zip: | ROLLA, MO 65409-6535 |
| Owner Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Owner Type: | State |
| Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Operator Type: | State |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Storage |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Storage |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |

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| | |
|---|--------------|
| 202 GPRC Corrective Action Baseline: | Yes |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | Medium |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | Yes |
| Groundwater Controls Indicator: | Yes |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20220217 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Yes |
| Manifest Broker: | Yes |
| Sub-Part P Indicator: | No |

Biennial: List of Years

Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

[Click Here for Biennial Reporting System Data:](#)

Hazardous Waste Summary:

| | |
|--------------------|--|
| Waste Code: | D001 |
| Waste Description: | IGNITABLE WASTE |
| Waste Code: | D002 |
| Waste Description: | CORROSIVE WASTE |
| Waste Code: | D003 |
| Waste Description: | REACTIVE WASTE |
| Waste Code: | D004 |
| Waste Description: | ARSENIC |
| Waste Code: | D005 |
| Waste Description: | BARIUM |
| Waste Code: | D006 |
| Waste Description: | CADMIUM |
| Waste Code: | D007 |
| Waste Description: | CHROMIUM |
| Waste Code: | D008 |
| Waste Description: | LEAD |
| Waste Code: | D009 |
| Waste Description: | MERCURY |
| Waste Code: | D010 |
| Waste Description: | SELENIUM |
| Waste Code: | D011 |
| Waste Description: | SILVER |
| Waste Code: | D012 |
| Waste Description: | ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-EN DO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE) |
| Waste Code: | D013 |
| Waste Description: | LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER) |
| Waste Code: | D014 |
| Waste Description: | METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE) |
| Waste Code: | D015 |
| Waste Description: | TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE) |
| Waste Code: | D016 |
| Waste Description: | 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID) |
| Waste Code: | D017 |
| Waste Description: | 2,4,5-TP SILVEX (2,4,5-TRICHLOROPHENOXYPROPIONIC ACID) |

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| | |
|--------------------|------------------------------|
| Waste Code: | D018 |
| Waste Description: | BENZENE |
| Waste Code: | D019 |
| Waste Description: | CARBON TETRACHLORIDE |
| Waste Code: | D020 |
| Waste Description: | CHLORDANE |
| Waste Code: | D021 |
| Waste Description: | CHLOROBENZENE |
| Waste Code: | D022 |
| Waste Description: | CHLOROFORM |
| Waste Code: | D023 |
| Waste Description: | O-CRESOL |
| Waste Code: | D024 |
| Waste Description: | M-CRESOL |
| Waste Code: | D025 |
| Waste Description: | P-CRESOL |
| Waste Code: | D026 |
| Waste Description: | CRESOL |
| Waste Code: | D027 |
| Waste Description: | 1,4-DICHLOROBENZENE |
| Waste Code: | D028 |
| Waste Description: | 1,2-DICHLOROETHANE |
| Waste Code: | D029 |
| Waste Description: | 1,1-DICHLOROETHYLENE |
| Waste Code: | D030 |
| Waste Description: | 2,4-DINITROTOLUENE |
| Waste Code: | D031 |
| Waste Description: | HEPTACHLOR (AND ITS EPOXIDE) |
| Waste Code: | D032 |
| Waste Description: | HEXACHLOROBENZENE |
| Waste Code: | D033 |
| Waste Description: | HEXACHLOROBUTADIENE |
| Waste Code: | D034 |
| Waste Description: | HEXACHLOROETHANE |
| Waste Code: | D035 |
| Waste Description: | METHYL ETHYL KETONE |
| Waste Code: | D036 |
| Waste Description: | NITROBENZENE |

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| | |
|--------------------|--|
| Waste Code: | D037 |
| Waste Description: | PENTACHLOROPHENOL |
| Waste Code: | D038 |
| Waste Description: | PYRIDINE |
| Waste Code: | D039 |
| Waste Description: | TETRACHLOROETHYLENE |
| Waste Code: | D040 |
| Waste Description: | TRICHLOROETHYLENE |
| Waste Code: | D041 |
| Waste Description: | 2,4,5-TRICHLOROPHENOL |
| Waste Code: | D042 |
| Waste Description: | 2,4,6-TRICHLOROPHENOL |
| Waste Code: | D043 |
| Waste Description: | VINYL CHLORIDE |
| Waste Code: | F001 |
| Waste Description: | THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES. |
| Waste Code: | F002 |
| Waste Description: | THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES. |
| Waste Code: | F003 |
| Waste Description: | THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES. |
| Waste Code: | F004 |
| Waste Description: | THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE |

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SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F006
Waste Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste Code: F007
Waste Description: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

Waste Code: F008
Waste Description: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F009
Waste Description: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F010
Waste Description: QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F011
Waste Description: SPENT CYANIDE SOLUTIONS FROM SLAT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.

Waste Code: F012
Waste Description: QUENCHING WASTEWATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F019
Waste Description: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Waste Code: F020
Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- OR TETRACHLOROPHENOL OR OF INTERMEDIATES USED TO PRODUCE THEIR

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PESTICIDE DERIVATIVES. (THIS LISTING DOES NOT INCLUDE WASTES FROM THE PRODUCTION OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL.)

- Waste Code: F021
Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.
- Waste Code: F022
Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENES UNDER ALKALINE CONDITIONS.
- Waste Code: F023
Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- AND TETRACHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE WASTES FROM EQUIPMENT USED ONLY FOR THE PRODUCTION OR USE OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL.)
- Waste Code: F024
Waste Description: PROCESS WASTES INCLUDING, BUT NOT LIMITED TO, DISTILLATION RESIDUES, HEAVY ENDS, TARS, AND REACTOR CLEAN-OUT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO, AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION. (THIS LISTING DOES NOT INCLUDE WASTEWATERS, WASTEWATER TREATMENT SLUDGE, SPENT CATALYSTS, AND WASTES LISTED IN SECTIONS 261.31. OR 261.32)
- Waste Code: F025
Waste Description: CONDENSED LIGHT ENDS, SPENT FILTERS AND FILTER AIDS, AND SPENT DESICCANT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO, AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION.
- Waste Code: F026
Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENE UNDER ALKALINE CONDITIONS.
- Waste Code: F027
Waste Description: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

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Waste Code: F028
Waste Description: RESIDUES RESULTING FROM THE INCINERATION OR THERMAL TREATMENT OF SOIL CONTAMINATED WITH EPA HAZARDOUS WASTE NOS. F020, F021, F022, F023, F026, AND F027.

Waste Code: F032
Waste Description: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT CURRENTLY USE, OR HAVE PREVIOUSLY USED, CHLOROPHENOLIC FORMULATIONS [EXCEPT POTENTIALLY CROSS-CONTAMINATED WASTES THAT HAVE HAD THE F032 WASTE CODE DELETED IN ACCORDANCE WITH SECTION 261.35 (I.E., THE NEWLY PROMULGATED EQUIPMENT CLEANING OR REPLACEMENT STANDARDS), AND WHERE THE GENERATOR DOES NOT RESUME OR INITIATE USE OF CHLOROPHENOLIC FORMULATIONS]. (THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.)

Waste Code: F034
Waste Description: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT USE CREOSOTE FORMULATIONS. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

Waste Code: F035
Waste Description: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT USE INORGANIC PRESERVATIVES CONTAINING ARSENIC OR CHROMIUM. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

Waste Code: F037
Waste Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Waste Code: F038
Waste Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2)

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(INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

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| Waste Code: | F039 |
| Waste Description: | LEACHATE RESULTING FROM THE TREATMENT, STORAGE, OR DISPOSAL OF WASTES CLASSIFIED BY MORE THAN ONE WASTE CODE UNDER SUBPART D, OR FROM A MIXTURE OF WASTES CLASSIFIED UNDER SUBPARTS C AND D OF THIS PART. (LEACHATE RESULTING FROM THE MANAGEMENT OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS HAZARDOUS WASTE CODE(S): F020, F021, F022, F023, F026, F027, AND/OR F028.) |
| Waste Code: | K001 |
| Waste Description: | BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATERS FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL. |
| Waste Code: | K002 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME YELLOW AND ORANGE PIGMENTS. |
| Waste Code: | K003 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF MOLYBDATE ORANGE PIGMENTS. |
| Waste Code: | K004 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF ZINC YELLOW PIGMENTS. |
| Waste Code: | K005 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME GREEN PIGMENTS. |
| Waste Code: | K006 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS (ANHYDROUS AND HYDRATED). |
| Waste Code: | K007 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF IRON BLUE PIGMENTS. |
| Waste Code: | K008 |
| Waste Description: | OVEN RESIDUE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS. |
| Waste Code: | K009 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE. |
| Waste Code: | K010 |
| Waste Description: | DISTILLATION SIDE CUTS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE. |
| Waste Code: | K011 |
| Waste Description: | BOTTOM STREAM FROM THE WASTEWATER STRIPPER IN THE PRODUCTION OF ACRYLONITRILE. |
| Waste Code: | K013 |

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| Waste Description: | BOTTOM STREAM FROM THE ACETONITRILE COLUMN IN THE PRODUCTION OF ACRYLONITRILE. |
| Waste Code: | K014 |
| Waste Description: | BOTTOMS FROM THE ACETONITRILE PURIFICATION COLUMN IN THE PRODUCTION OF ACRYLONITRILE. |
| Waste Code: | K015 |
| Waste Description: | STILL BOTTOMS FROM THE DISTILLATION OF BENZYL CHLORIDE. |
| Waste Code: | K016 |
| Waste Description: | HEAVY ENDS OR DISTILLATION RESIDUES FROM THE PRODUCTION OF CARBON TETRACHLORIDE. |
| Waste Code: | K017 |
| Waste Description: | HEAVY ENDS (STILL BOTTOMS) FROM THE PURIFICATION COLUMN IN THE PRODUCTION OF EPICHLOROHYDRIN. |
| Waste Code: | K018 |
| Waste Description: | HEAVY ENDS FROM THE FRACTIONATION COLUMN IN ETHYL CHLORIDE PRODUCTION. |
| Waste Code: | K019 |
| Waste Description: | HEAVY ENDS FROM THE DISTILLATION OF ETHYLENE DICHLORIDE IN ETHYLENE DICHLORIDE PRODUCTION. |
| Waste Code: | K020 |
| Waste Description: | HEAVY ENDS FROM THE DISTILLATION OF VINYL CHLORIDE IN VINYL CHLORIDE MONOMER PRODUCTION. |
| Waste Code: | K021 |
| Waste Description: | AQUEOUS SPENT ANTIMONY CATALYST WASTE FROM FLUOROMETHANE PRODUCTION. |
| Waste Code: | K022 |
| Waste Description: | DISTILLATION BOTTOM TARS FROM THE PRODUCTION OF PHENOL/ACETONE FROM CUMENE. |
| Waste Code: | K023 |
| Waste Description: | DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE. |
| Waste Code: | K024 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE. |
| Waste Code: | K025 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF NITROBENZENE BY THE NITRATION OF BENZENE. |
| Waste Code: | K026 |
| Waste Description: | STRIPPING STILL TAILS FROM THE PRODUCTION OF METHYL ETHYL PYRIDINES. |
| Waste Code: | K027 |
| Waste Description: | CENTRIFUGE AND DISTILLATION RESIDUES FROM TOLUENE DIISOCYANATE PRODUCTION. |
| Waste Code: | K028 |
| Waste Description: | SPENT CATALYST FROM THE HYDROCHLORINATOR REACTOR IN THE PRODUCTION OF |

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1,1,1-TRICHLOROETHANE.

Waste Code: K029
Waste Description: WASTE FROM THE PRODUCT STEAM STRIPPER IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.

Waste Code: K030
Waste Description: COLUMN BOTTOMS OR HEAVY ENDS FROM THE COMBINED PRODUCTION OF TRICHLOROETHYLENE AND PERCHLOROETHYLENE.

Waste Code: K031
Waste Description: BY-PRODUCT SALTS GENERATED IN THE PRODUCTION OF MSMA AND CACODYLIC ACID.

Waste Code: K032
Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHLORDANE.

Waste Code: K033
Waste Description: WASTEWATER AND SCRUB WATER FROM THE CHLORINATION OF CYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE.

Waste Code: K034
Waste Description: FILTER SOLIDS FROM THE FILTRATION OF HEXACHLOROCYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE.

Waste Code: K035
Waste Description: WASTEWATER TREATMENT SLUDGES GENERATED IN THE PRODUCTION OF CREOSOTE.

Waste Code: K036
Waste Description: STILL BOTTOMS FROM TOLUENE RECLAMATION DISTILLATION IN THE PRODUCTION OF DISULFOTON.

Waste Code: K037
Waste Description: WASTEWATER TREATMENT SLUDGES FROM THE PRODUCTION OF DISULFOTON.

Waste Code: K038
Waste Description: WASTEWATER FROM THE WASHING AND STRIPPING OF PHORATE PRODUCTION.

Waste Code: K039
Waste Description: FILTER CAKE FROM THE FILTRATION OF DIETHYLPHOSPHORODITHIOIC ACID IN THE PRODUCTION OF PHORATE.

Waste Code: K040
Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF PHORATE.

Waste Code: K041
Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF TOXAPHENE.

Waste Code: K042
Waste Description: HEAVY ENDS OR DISTILLATION RESIDUES FROM THE DISTILLATION OF TETRACHLORO BENZENE IN THE PRODUCTION OF 2,4,5-T.

Waste Code: K043
Waste Description: 2,6-DICHLOROPHENOL WASTE FROM THE PRODUCTION OF 2,4-D.

Waste Code: K044
Waste Description: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF

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EXPLOSIVES.

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| Waste Code: | K045 |
| Waste Description: | SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES. |
| Waste Code: | K046 |
| Waste Description: | WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS. |
| Waste Code: | K047 |
| Waste Description: | PINK/RED WATER FROM TNT OPERATIONS. |
| Waste Code: | K048 |
| Waste Description: | DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY. |
| Waste Code: | K049 |
| Waste Description: | SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY. |
| Waste Code: | K050 |
| Waste Description: | HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY. |
| Waste Code: | K051 |
| Waste Description: | API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY. |
| Waste Code: | K052 |
| Waste Description: | TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY. |
| Waste Code: | K060 |
| Waste Description: | AMMONIA STILL LIME SLUDGE FROM COKING OPERATIONS. |
| Waste Code: | K061 |
| Waste Description: | EMISSION CONTROL DUST/SLUDGE FROM THE PRIMARY PRODUCTION OF STEEL IN ELECTRIC FURNACES. |
| Waste Code: | K062 |
| Waste Description: | SPENT PICKLE LIQUOR FROM STEEL FINISHING OPERATIONS OF PLANTS THAT PRODUCE IRON OR STEEL. |
| Waste Code: | K064 |
| Waste Description: | ACID PLANT BLOWDOWN SLURRY/SLUDGE RESULTING FROM THE THICKENING OF BLOWDOWN SLURRY FROM PRIMARY COPPER PRODUCTION. |
| Waste Code: | K065 |
| Waste Description: | SURFACE IMPOUNDMENT SOLIDS CONTAINED IN AND DREDGED FROM SURFACE IMPOUNDMENTS AT PRIMARY LEAD SMELTING FACILITIES. |
| Waste Code: | K066 |
| Waste Description: | SLUDGE FROM TREATMENT OF PROCESS WASTEWATER AND/OR ACID PLANT BLOWDOWN FROM PRIMARY ZINC PRODUCTION. |
| Waste Code: | K069 |
| Waste Description: | EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING. |
| Waste Code: | K071 |
| Waste Description: | BRINE PURIFICATION MUDS FROM THE MERCURY CELL PROCESS IN CHLORINE |

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PRODUCTION, IN WHICH SEPARATELY PREPURIFIED BRINE IS NOT USED.

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| Waste Code: | K073 |
| Waste Description: | CHLORINATED HYDROCARBON WASTE FROM THE PURIFICATION STEP OF THE DIAPHRAGM CELL PROCESS USING GRAPHITE ANODES IN CHLORINE PRODUCTION. |
| Waste Code: | K083 |
| Waste Description: | DISTILLATION BOTTOMS FROM ANILINE PRODUCTION. |
| Waste Code: | K084 |
| Waste Description: | WASTEWATER TREATMENT SLUDGES GENERATED DURING THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS. |
| Waste Code: | K085 |
| Waste Description: | DISTILLATION OR FRACTIONATION COLUMN BOTTOMS FROM THE PRODUCTION OF CHLOROBENZENES. |
| Waste Code: | K086 |
| Waste Description: | SOLVENT WASHES AND SLUDGES, CAUSTIC WASHES AND SLUDGES, OR WATER WASHES AND SLUDGES FROM CLEANING TUBS AND EQUIPMENT USED IN THE FORMULATION OF INK FROM PIGMENTS, DRIERS, SOAPS, AND STABILIZERS CONTAINING CHROMIUM AND LEAD. |
| Waste Code: | K087 |
| Waste Description: | DECANTER TANK TAR SLUDGE FROM COKING OPERATIONS. |
| Waste Code: | K088 |
| Waste Description: | SPENT POTLINERS FROM PRIMARY ALUMINUM REDUCTION. |
| Waste Code: | K090 |
| Waste Description: | EMISSION CONTROL DUST OR SLUDGE FROM FERROCHROMIUMSILICON PRODUCTION. |
| Waste Code: | K091 |
| Waste Description: | EMISSION CONTROL DUST OR SLUDGE FROM FERROCHROMIUM PRODUCTION. |
| Waste Code: | K093 |
| Waste Description: | DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE. |
| Waste Code: | K094 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE. |
| Waste Code: | K095 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE. |
| Waste Code: | K096 |
| Waste Description: | HEAVY ENDS FROM THE HEAVY ENDS COLUMN FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE. |
| Waste Code: | K097 |
| Waste Description: | VACUUM STRIPPER DISCHARGE FROM THE CHLORDANE CHLORINATOR IN THE PRODUCTION OF CHLORDANE. |
| Waste Code: | K098 |
| Waste Description: | UNTREATED PROCESS WASTEWATER FROM THE PRODUCTION OF TOXAPHENE. |

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| Waste Code: | K099 |
| Waste Description: | UNTREATED WASTEWATER FROM THE PRODUCTION OF 2,4-D. |
| Waste Code: | K100 |
| Waste Description: | WASTE LEACHING SOLUTION FROM ACID LEACHING OF EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING. |
| Waste Code: | K101 |
| Waste Description: | DISTILLATION TAR RESIDUES FROM THE DISTILLATION OF ANILINE-BASED COMPOUNDS IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS. |
| Waste Code: | K102 |
| Waste Description: | RESIDUE FROM THE USE OF ACTIVATED CARBON FOR DECOLORIZATION IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS. |
| Waste Code: | K103 |
| Waste Description: | PROCESS RESIDUES FROM ANILINE EXTRACTION FROM THE PRODUCTION OF ANILINE. |
| Waste Code: | K104 |
| Waste Description: | COMBINED WASTEWATERS GENERATED FROM NITROBENZENE/ANILINE PRODUCTION. |
| Waste Code: | K105 |
| Waste Description: | SEPARATED AQUEOUS STREAM FROM THE REACTOR PRODUCT WASHING STEP IN THE PRODUCTION OF CHLOROBENZENES. |
| Waste Code: | K106 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION. |
| Waste Code: | K107 |
| Waste Description: | COLUMN BOTTOMS FROM PRODUCT SEPARATION FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE (UDMH) FROM CARBOXYLIC ACID HYDRAZIDES. |
| Waste Code: | K108 |
| Waste Description: | CONDENSED COLUMN OVERHEADS FROM PRODUCT SEPARATION AND CONDENSED REACTOR VENT GASES FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES. |
| Waste Code: | K109 |
| Waste Description: | SPENT FILTER CARTRIDGES FROM PRODUCT PURIFICATION FROM THE PRODUCT OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES. |
| Waste Code: | K110 |
| Waste Description: | CONDENSED COLUMN OVERHEADS FROM INTERMEDIATE SEPARATION FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES. |
| Waste Code: | K111 |
| Waste Description: | PRODUCT WASHWATERS FROM THE PRODUCTION OF DINITROTOLUENE VIA NITRATION OF TOLUENE. |
| Waste Code: | K112 |
| Waste Description: | REACTION BY-PRODUCT WATER FROM THE DRYING COLUMN IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE. |

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| Waste Code: | K113 |
| Waste Description: | CONDENSED LIQUID LIGHT ENDS FROM PURIFICATION OF TOLUENEDIAMINE IN PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE. |
| Waste Code: | K114 |
| Waste Description: | VICINALS FROM THE PURIFICATION OF TOLUENEDIAMINE IN PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE. |
| Waste Code: | K115 |
| Waste Description: | HEAVY ENDS FROM PURIFICATION OF TOLUENEDIAMINE IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE. |
| Waste Code: | K116 |
| Waste Description: | ORGANIC CONDENSATE FROM THE SOLVENT RECOVERY COLUMN IN THE PRODUCTION OF TOLUENE DIISOCYANATE VIA PHOSGENATION OF TOLUENEDIAMINE. |
| Waste Code: | K117 |
| Waste Description: | WASTEWATER FROM THE REACTOR VENT GAS SCRUBBER IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE. |
| Waste Code: | K118 |
| Waste Description: | SPENT ADSORBENT SOLIDS FROM PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE. |
| Waste Code: | K123 |
| Waste Description: | PROCESS WASTEWATER (INCLUDING SUPERNATES, FILTRATES, AND WASHWATERS) FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS. |
| Waste Code: | K124 |
| Waste Description: | REACTOR VENT SCRUBBER WATER FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS. |
| Waste Code: | K125 |
| Waste Description: | FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS. |
| Waste Code: | K126 |
| Waste Description: | BAGHOUSE DUST AND FLOOR SWEEPINGS IN MILLING AND PACKAGING OPERATIONS FROM PRODUCTION OR FORMULATION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS. |
| Waste Code: | K131 |
| Waste Description: | WASTEWATER FROM THE REACTOR AND SPENT SULFURIC ACID FROM THE ACID DRYER FROM THE PRODUCTION OF METHYL BROMIDE. |
| Waste Code: | K132 |
| Waste Description: | SPENT ABSORBENT AND WASTEWATER SEPARATOR SOLIDS FROM THE PRODUCTION OF METHYL BROMIDE. |
| Waste Code: | K136 |
| Waste Description: | STILL BOTTOMS FROM THE PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE. |
| Waste Code: | K141 |
| Waste Description: | PROCESS RESIDUES FROM THE RECOVERY OF COAL TAR, INCLUDING, BUT NOT LIMITED TO, TAR COLLECTING SUMP RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. THIS |

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LISTING DOES NOT INCLUDE K087 (DECANTER TANK SLUDGE FROM COKING OPERATIONS).

Waste Code: K142
Waste Description: TANK STORAGE RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR FROM THE RECOVERY OF COKE BY-PRODUCTS FROM COAL.

Waste Code: K143
Waste Description: PROCESS RESIDUES FROM THE RECOVERY OF LIGHT OIL, INCLUDING, BUT NOT LIMITED TO, THOSE GENERATED IN STILL, DECANTERS, AND WASH OIL RECOVERY UNITS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Waste Code: K144
Waste Description: WASTEWATER SUMP RESIDUES FROM LIGHT OIL REFINING, INCLUDING, BUT NOT LIMITED TO, INTERCEPTING OR CONTAMINATION SUMP SLUDGES FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Waste Code: K145
Waste Description: RESIDUES FROM NAPHTHALENE COLLECTION AND RECOVERY OPERATIONS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Waste Code: K147
Waste Description: TAR STORAGE RESIDUES FROM COAL TAR REFINING.

Waste Code: K148
Waste Description: RESIDUES FROM COAL TAR DISTILLATION, INCLUDING, BUT NOT LIMITED TO, STILL BOTTOMS.

Waste Code: K149
Waste Description: DISTILLATION BOTTOMS FROM THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, RING-CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS. [THIS WASTE DOES NOT INCLUDE STILL BOTTOMS FROM THE DISTILLATION OF BENZOYL CHLORIDE]

Waste Code: K150
Waste Description: ORGANIC RESIDUES EXCLUDING SPENT CARBON ADSORBENT, FROM THE SPENT CHLORINE GAS AND HYDROCHLORIC ACID RECOVERY PROCESSES ASSOCIATED WITH THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS.

Waste Code: K151
Waste Description: WASTEWATER TREATMENT SLUDGES, EXCLUDING NEUTRALIZATION AND BIOLOGICAL SLUDGES, GENERATED DURING THE TREATMENT OF WASTEWATERS FROM THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS.

Waste Code: K156
Waste Description: ORGANIC WASTE (INCLUDING HEAVY ENDS, STILL BOTTOMS, LIGHT ENDS, SPENT SOLVENTS, FILTRATES, AND DECANTATES) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

Waste Code: K157
Waste Description: WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

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| Waste Code: | K158 |
| Waste Description: | BAG HOUSE DUSTS AND FILTER/SEPARATION SOLIDS FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES. |
| Waste Code: | K159 |
| Waste Description: | ORGANICS FROM THE TREATMENT OF THIOCARBAMATE WASTES. |
| Waste Code: | K160 |
| Waste Description: | SOLIDS (INCLUDING FILTER WASTES, SEPARATION SOLIDS, AND SPENT CATALYSTS) FROM THE PRODUCTION OF THIOCARBAMATES AND SOLIDS FROM THE TREATMENT OF THIOCARBAMATE WASTES. |
| Waste Code: | K161 |
| Waste Description: | PURIFICATION SOLIDS (INCLUDING FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS), BAG HOUSE DUST AND FLOOR SWEEPINGS FROM THE PRODUCTION OF DITHIOCARBAMATE ACIDS AND THEIR SALTS. (THIS LISTING DOES NOT INCLUDE K125 OR K126). |
| Waste Code: | LABP |
| Waste Description: | LAB PACK |
| Waste Code: | NONE |
| Waste Description: | Not Defined |
| Waste Code: | P001 |
| Waste Description: | 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% |
| Waste Code: | P002 |
| Waste Description: | 1-ACETYL-2-THIOUREA (OR) ACETAMIDE, N-(AMINOTHIOXOMETHYL)- |
| Waste Code: | P003 |
| Waste Description: | 2-PROPENAL (OR) ACROLEIN |
| Waste Code: | P004 |
| Waste Description: | 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5ALPHA, 8ALPHA, 8ABETA)- (OR) ALDRIN |
| Waste Code: | P005 |
| Waste Description: | 2-PROPEN-1-OL (OR) ALLYL ALCOHOL |
| Waste Code: | P006 |
| Waste Description: | ALUMINUM PHOSPHIDE (R,T) |
| Waste Code: | P007 |
| Waste Description: | 3(2H)-ISOXAZOLONE, 5-(AMINOMETHYL)- (OR) 5-(AMINOMETHYL)-3-ISOXAZOL |
| Waste Code: | P008 |
| Waste Description: | 4-AMINOPYRIDINE (OR) 4-PYRIDINAMINE |
| Waste Code: | P009 |
| Waste Description: | AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R) |
| Waste Code: | P010 |
| Waste Description: | ARSENIC ACID H3ASO4 |

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| Waste Code: | P011 |
| Waste Description: | ARSENIC OXIDE AS ₂ O ₅ (OR) ARSENIC PENTOXIDE |
| Waste Code: | P012 |
| Waste Description: | ARSENIC OXIDE AS ₂ O ₃ (OR) ARSENIC TRIOXIDE |
| Waste Code: | P013 |
| Waste Description: | BARIUM CYANIDE |
| Waste Code: | P014 |
| Waste Description: | BENZENETHIOL (OR) THIOPHENOL |
| Waste Code: | P015 |
| Waste Description: | BERYLLIUM |
| Waste Code: | P016 |
| Waste Description: | DICHLOROMETHYL ETHER (OR) METHANE, OXYBIS[CHLORO- |
| Waste Code: | P017 |
| Waste Description: | 2-PROPANONE, 1-BROMO- (OR) BROMOACETONE |
| Waste Code: | P018 |
| Waste Description: | BRUCINE (OR) STRYCHNIDIN-10-ONE, 2,3-DIMETHOXY- |
| Waste Code: | P020 |
| Waste Description: | DINOSEB (OR) PHENOL, 2-(1-METHYLPROPYL)-4,6-DINITRO- |
| Waste Code: | P021 |
| Waste Description: | CALCIUM CYANIDE (OR) CALCIUM CYANIDE CA(CN) ₂ |
| Waste Code: | P022 |
| Waste Description: | CARBON DISULFIDE |
| Waste Code: | P023 |
| Waste Description: | ACETALDEHYDE, CHLORO- (OR) CHLOROACETALDEHYDE |
| Waste Code: | P024 |
| Waste Description: | BENZENAMINE, 4-CHLORO- (OR) P-CHLORANILINE |
| Waste Code: | P026 |
| Waste Description: | 1-(O-CHLOROPHENYL)THIOUREA (OR) THIOUREA, (2-CHLOROPHENYL)- |
| Waste Code: | P027 |
| Waste Description: | 3-CHLOROPROPIONITRILE (OR) PROPANENITRILE, 3-CHLORO- |
| Waste Code: | P028 |
| Waste Description: | BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE |
| Waste Code: | P029 |
| Waste Description: | COPPER CYANIDE (OR) COPPER CYANIDE CU(CN) |
| Waste Code: | P030 |
| Waste Description: | CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED |
| Waste Code: | P031 |
| Waste Description: | CYANOGEN (OR) ETHANEDINITRILE |

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| Waste Code: | P033 |
| Waste Description: | CYANOGEN CHLORIDE (OR) CYANOGEN CHLORIDE (CN)CL |
| Waste Code: | P034 |
| Waste Description: | 2-CYCLOHEXYL-4,6-DINITROPHENOL (OR) PHENOL, 2-CYCLOHEXYL-4,6-DINITRO- |
| Waste Code: | P036 |
| Waste Description: | ARSONOUS DICHLORIDE, PHENYL- (OR) DICHLOROPHENYLARSINE |
| Waste Code: | P037 |
| Waste Description: | 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2AALPHA, 3BETA, 6BETA, 6AALPHA, 7BETA, 7AALPHA)- (OR) DIELDRIN |
| Waste Code: | P038 |
| Waste Description: | ARSINE, DIETHYL- (OR) DIETHYLARSINE |
| Waste Code: | P039 |
| Waste Description: | DISULFOTON (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[2-(ETHYLTHIO)ETHYL] ESTER |
| Waste Code: | P040 |
| Waste Description: | O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL O-PYRAZINYL ESTER |
| Waste Code: | P041 |
| Waste Description: | DIETHYL-P-NITROPHENYL PHOSPHATE (OR) PHOSPHORIC ACID, DIETHYL 4-NITROPHENYL ESTER |
| Waste Code: | P042 |
| Waste Description: | 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE |
| Waste Code: | P043 |
| Waste Description: | DIISOPROPYLFLUOROPHOSPHATE (DFP) (OR) PHOSPHOROFUORIDIC ACID, BIS(1-METHYLETHYL) ESTER |
| Waste Code: | P044 |
| Waste Description: | DIMETHOATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIMETHYL S-[2-(METHYLAMINO)-2-OXOETHYL] ESTER |
| Waste Code: | P045 |
| Waste Description: | 2-BUTANONE, 3,3-DIMETHYL-1-(METHYLTHIO)-, O-[METHYLAMINO)CARBONYL] OXIME (OR) THIOFANOX |
| Waste Code: | P046 |
| Waste Description: | ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA, ALPHA-DIMETHYL- |
| Waste Code: | P047 |
| Waste Description: | 4,6-DINITRO-O-CRESOL, & SALTS (OR) PHENOL, 2-METHYL-4,6-DINITRO-, & SALTS |
| Waste Code: | P048 |
| Waste Description: | 2,4-DINITROPHENOL (OR) PHENOL, 2,4-DINITRO- |
| Waste Code: | P049 |

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| Waste Description: | DITHIOBIURET (OR) THIOIMIDODICARBONIC DIAMIDE [(H2N)C(S)]2NH |
| Waste Code: | P050 |
| Waste Description: | 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6,9,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN |
| Waste Code: | P051 |
| Waste Description: | 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES (OR) ENDRIN (OR) ENDRIN, & METABOLITES |
| Waste Code: | P054 |
| Waste Description: | AZIRIDINE (OR) ETHYLENEIMINE |
| Waste Code: | P056 |
| Waste Description: | FLUORINE |
| Waste Code: | P057 |
| Waste Description: | ACETAMIDE, 2-FLUORO- (OR) FLUOROACETAMIDE |
| Waste Code: | P058 |
| Waste Description: | ACETIC ACID, FLUORO-, SODIUM SALT (OR) FLUOROACETIC ACID, SODIUM SALT |
| Waste Code: | P059 |
| Waste Description: | 4,7-METHANO-1H-INDENE, 1,4,5,6,7,8,8-HEPTACHLORO-3A,4,7,7A-TETRAHYDRO- (OR) HEPTACHLOR |
| Waste Code: | P060 |
| Waste Description: | 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5BETA, 8BETA, 8ABETA)- (OR) ISODRIN |
| Waste Code: | P062 |
| Waste Description: | HEXAETHYL TETRAPHOSPHATE (OR) TETRAPHOSPHORIC ACID, HEXAETHYL ESTER |
| Waste Code: | P063 |
| Waste Description: | HYDROCYANIC ACID (OR) HYDROGEN CYANIDE |
| Waste Code: | P064 |
| Waste Description: | METHANE, ISOCYANATO- (OR) METHYL ISOCYANATE |
| Waste Code: | P065 |
| Waste Description: | FULMINIC ACID, MERCURY(2+) SALT (R,T) (OR) MERCURY FULMINATE (R,T) |
| Waste Code: | P066 |
| Waste Description: | ETHANIMIDOTHIOIC ACID, N-[[[(METHYLAMINO)CARBONYL]OXY]-, METHYL ESTER (OR) METHOMYL |
| Waste Code: | P067 |
| Waste Description: | 1,2-PROPYLENIMINE (OR) AZIRIDINE, 2-METHYL- |
| Waste Code: | P068 |
| Waste Description: | HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE |
| Waste Code: | P069 |
| Waste Description: | 2-METHYLLACTONITRILE (OR) PROPANENITRILE, 2-HYDROXY-2-METHYL- |

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| Waste Code: | P070 |
| Waste Description: | ALDICARB (OR) PROPANAL, 2-METHYL-2-(METHYLTHIO)-, O-[(METHYLAMINO)CARBONYL]OXIME |
| Waste Code: | P071 |
| Waste Description: | METHYL PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O,-DIMETHYL O-(4-NITROPHENYL) ESTER |
| Waste Code: | P072 |
| Waste Description: | ALPHA-NAPHTHYLTHIOUREA (OR) THIOUREA, 1-NAPHTHALENYL- |
| Waste Code: | P073 |
| Waste Description: | NICKEL CARBONYL (OR) NICKEL CARBONYL NI(CO) ₄ , (T-4)- |
| Waste Code: | P074 |
| Waste Description: | NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN) ₂ |
| Waste Code: | P075 |
| Waste Description: | NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-, (S)-, & SALTS |
| Waste Code: | P076 |
| Waste Description: | NITRIC OXIDE (OR) NITROGEN OXIDE NO |
| Waste Code: | P077 |
| Waste Description: | BENZENAMINE, 4-NITRO- (OR) P-NITROANILINE |
| Waste Code: | P078 |
| Waste Description: | NITROGEN DIOXIDE (OR) NITROGEN OXIDE NO ₂ |
| Waste Code: | P081 |
| Waste Description: | 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R) |
| Waste Code: | P082 |
| Waste Description: | METHANIMINE, N-METHYL-N-NITROSO- (OR) N-NITROSODIMETHYLAMINE |
| Waste Code: | P084 |
| Waste Description: | N-NITROSOMETHYL VINYLAMINE (OR) VINYLAMINE, N-METHYL-N-NITROSO- |
| Waste Code: | P085 |
| Waste Description: | DIPHOSPHORAMIDE, OCTAMETHYL- (OR) OCTAMETHYLPYROPHOSPHORAMIDE |
| Waste Code: | P087 |
| Waste Description: | OSMIUM OXIDE OSO ₄ , (T-4)- (OR) OSMIUM TETROXIDE |
| Waste Code: | P088 |
| Waste Description: | 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ACID (OR) ENDOTHALL |
| Waste Code: | P089 |
| Waste Description: | PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL-O-(4-NITROPHENYL) ESTER |
| Waste Code: | P092 |
| Waste Description: | MERCURY, (ACETATO-O)PHENYL- (OR) PHENYLMERCURY ACETATE |
| Waste Code: | P093 |
| Waste Description: | PHENYLTHIOUREA (OR) THIOUREA, PHENYL- |

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| Waste Code: | P094 |
| Waste Description: | PHORATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[(ETHYLTHIO)METHYL] ESTER |
| Waste Code: | P095 |
| Waste Description: | CARBONIC DICHLORIDE (OR) PHOSGENE |
| Waste Code: | P096 |
| Waste Description: | HYDROGEN PHOSPHIDE (OR) PHOSPHINE |
| Waste Code: | P097 |
| Waste Description: | FAMPHUR (OR) PHOSPHOROTHIOIC ACID O-[4-[(DIMETHYLAMINO)SULFONYL]PHENYL] O,O-DIMETHYL ESTER |
| Waste Code: | P098 |
| Waste Description: | POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN) |
| Waste Code: | P099 |
| Waste Description: | ARGENTATE (1-), BIS(CYANO-C)-, POTASSIUM (OR) POTASSIUM SILVER CYANIDE |
| Waste Code: | P101 |
| Waste Description: | ETHYL CYANIDE (OR) PROPANENITRILE |
| Waste Code: | P102 |
| Waste Description: | 2-PROPYN-1-OL (OR) PROPARGYL ALCOHOL |
| Waste Code: | P103 |
| Waste Description: | SELENOUREA |
| Waste Code: | P104 |
| Waste Description: | SILVER CYANIDE (OR) SILVER CYANIDE AG(CN) |
| Waste Code: | P105 |
| Waste Description: | SODIUM AZIDE |
| Waste Code: | P106 |
| Waste Description: | SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN) |
| Waste Code: | P108 |
| Waste Description: | STRYCHNIDIN-10-ONE, & SALTS (OR) STRYCHNINE, & SALTS |
| Waste Code: | P109 |
| Waste Description: | TETRAETHYLDITHIOPYROPHOSPHATE (OR) THIODIPHOSPHORIC ACID, TETRAETHYL ESTER |
| Waste Code: | P110 |
| Waste Description: | PLUMBANE, TETRAETHYL- (OR) TETRAETHYL LEAD |
| Waste Code: | P111 |
| Waste Description: | DIPHOSPHORIC ACID, TETRAETHYL ESTER (OR) TETRAETHYL PYROPHOSPHATE |
| Waste Code: | P112 |
| Waste Description: | METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R) |
| Waste Code: | P113 |
| Waste Description: | THALLIC OXIDE (OR) THALLIUM OXIDE TL2O3 |

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| Waste Code: | P114 |
| Waste Description: | SELENIUS ACID, DITHALLIUM (1+) SALT (OR) THALLIUM(I) SELENITE |
| Waste Code: | P115 |
| Waste Description: | SULFURIC ACID, DITHALLIUM (1+) SALT (OR) THALLIUM(I) SULFATE |
| Waste Code: | P116 |
| Waste Description: | HYDRAZINECARBOTHIOAMIDE (OR) THIOSEMICARBAZIDE |
| Waste Code: | P118 |
| Waste Description: | METHANETHIOL, TRICHLORO- (OR) TRICHLOROMETHANETHIOL |
| Waste Code: | P119 |
| Waste Description: | AMMONIUM VANADATE (OR) VANADIC ACID, AMMONIUM SALT |
| Waste Code: | P120 |
| Waste Description: | VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE |
| Waste Code: | P121 |
| Waste Description: | ZINC CYANIDE (OR) ZINC CYANIDE ZN(CN)2 |
| Waste Code: | P122 |
| Waste Description: | ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R,T) |
| Waste Code: | P123 |
| Waste Description: | TOXAPHENE |
| Waste Code: | P185 |
| Waste Description: | 1,3-DITHIOLANE-2-CARBOXALDEHYDE, 2,4-DIMETHYL-, O-[(METHYLAMINO)-CARBONYL]OXIME (OR) TIRPATE |
| Waste Code: | P188 |
| Waste Description: | BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL-5-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE |
| Waste Code: | P189 |
| Waste Description: | CARBAMIC ACID, [(DIBUTYLAMINO)-THIO]METHYL-, 2,3-DIHYDRO-2,2-DIMETHYL-7-BENZOFURANYL ESTER (OR) CARBOSULFAN |
| Waste Code: | P190 |
| Waste Description: | CARBAMIC ACID, METHYL-, 3-METHYLPHENYL ESTER (OR) METOLCARB |
| Waste Code: | P191 |
| Waste Description: | CARBAMIC ACID, DIMETHYL-, 1-[(DIMETHYL-AMINO)CARBONYL]- 5-METHYL-1H-PYRAZOL-3-YL ESTER (OR) DIMETILAN |
| Waste Code: | P192 |
| Waste Description: | ISOLAN (OR) CARBAMIC ACID, DIMETHYL-, 3-METHYL-(1-METHYLETHYL)-1H-PYRAZOL-5-YL ESTER |
| Waste Code: | P194 |
| Waste Description: | ETHANIMIDOTHIOIC ACID, 2-(DIMETHYLAMINO)-N-[(METHYLAMINO)CARBONYL]OXY]-2-OXO-, METHYL ESTER (OR) OXAMYL |
| Waste Code: | P196 |

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| Waste Description: | MANGANESE DIMETHYLDITHIOCARBAMATE (OR) MANGANESE, BIS(DIMETHYLCARBAMODITHIOATO-S,S')- |
| Waste Code: | P197 |
| Waste Description: | FORMPARANATE (OR) METHANIMIDAMIDE, N,N-DIMETHYL-N'-[2-METHYL-4-[[[(METHYLAMINO)CARBONYL]OXY]PHENYL] |
| Waste Code: | P198 |
| Waste Description: | METHANIMIDAMIDE, N,N-DIMETHYL-N'-[3-[[[(METHYLAMINO)-CARBONYL]OXY]PHENYL]-, MONOHYDROCHLORIDE (OR) FORMETANATE HYDROCHLORIDE |
| Waste Code: | P201 |
| Waste Description: | PHENOL, 3-METHYL-5-(1-METHYLETHYL)-, METHYL CARBAMATE (OR) PROMECARB |
| Waste Code: | P202 |
| Waste Description: | M-CUMENYL METHYLCARBAMATE (OR) 3-ISOPROPYLPHENYL N-METHYLCARBAMATE (OR) PHENOL, 3-(1-METHYLETHYL)-, METHYL CARBAMATE |
| Waste Code: | P203 |
| Waste Description: | ALDICARB SULFONE (OR) PROPANAL, 2-METHYL-2-(METHYL-SULFONYL)-, O-[(METHYLAMINO)CARBONYL] OXIME |
| Waste Code: | P204 |
| Waste Description: | PHYSOSTIGMINE (OR) PYRROLO[2,3-B]INDOL-5-OL, 1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYL-METHYLCARBAMATE (ESTER), (3AS-CIS)- |
| Waste Code: | P205 |
| Waste Description: | ZINC, BIS(DIMETHYLCARBAMODITHIOATO-S,S')-, (OR) ZIRAM |
| Waste Code: | U001 |
| Waste Description: | ACETALDEHYDE (I) (OR) ETHANAL (I) |
| Waste Code: | U002 |
| Waste Description: | 2-PROPANONE (I) (OR) ACETONE (I) |
| Waste Code: | U003 |
| Waste Description: | ACETONITRILE (I,T) |
| Waste Code: | U004 |
| Waste Description: | ACETOPHENONE (OR) ETHANONE, 1-PHENYL- |
| Waste Code: | U005 |
| Waste Description: | 2-ACETYLAMINOFLUORENE (OR) ACETAMIDE, N-9H-FLUOREN-2-YL |
| Waste Code: | U006 |
| Waste Description: | ACETYL CHLORIDE (C,R,T) |
| Waste Code: | U007 |
| Waste Description: | 2-PROPENAMIDE (OR) ACRYLAMIDE |
| Waste Code: | U008 |
| Waste Description: | 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I) |
| Waste Code: | U009 |
| Waste Description: | 2-PROPENENITRILE (OR) ACRYLONITRILE |

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| Waste Code: | U010 |
| Waste Description: | AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET HOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C |
| Waste Code: | U011 |
| Waste Description: | 1H-1,2,4-TRIAZOL-3-AMINE (OR) AMITROLE |
| Waste Code: | U012 |
| Waste Description: | ANILINE (I,T) (OR) BENZENAMINE (I,T) |
| Waste Code: | U014 |
| Waste Description: | AURAMINE (OR) BENZENAMINE, 4,4'-CARBONIMIDOYLBIS[N,N-DIMETHYL- |
| Waste Code: | U015 |
| Waste Description: | AZASERINE (OR) L-SERINE, DIAZOACETATE (ESTER) |
| Waste Code: | U016 |
| Waste Description: | BENZ[C]ACRIDINE |
| Waste Code: | U017 |
| Waste Description: | BENZAL CHLORIDE (OR) BENZENE, (DICHLOROMETHYL)- |
| Waste Code: | U018 |
| Waste Description: | BENZ[A]ANTHRACENE |
| Waste Code: | U019 |
| Waste Description: | BENZENE (I,T) |
| Waste Code: | U020 |
| Waste Description: | BENZENESULFONIC ACID CHLORIDE (C,R) (OR) BENZENESULFONYL CHLORIDE (C,R) |
| Waste Code: | U021 |
| Waste Description: | [1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE |
| Waste Code: | U022 |
| Waste Description: | BENZO[A]PYRENE |
| Waste Code: | U023 |
| Waste Description: | BENZENE, (TRICHLOROMETHYL)- (OR) BENZOTRICHLORIDE (C,R,T) |
| Waste Code: | U024 |
| Waste Description: | DICHLOROMETHOXY ETHANE (OR) ETHANE, 1,1'-[METHYLENEBIS(OXY)]BIS[2-CHLORO- |
| Waste Code: | U025 |
| Waste Description: | DICHLOROETHYL ETHER (OR) ETHANE, 1,1'-OXYBIS[2-CHLORO- |
| Waste Code: | U026 |
| Waste Description: | CHLORNAPHAZIN (OR) NAPHTHALENAMINE, N,N'-BIS(2-CHLOROETHYL)- |
| Waste Code: | U027 |
| Waste Description: | DICHLOROISOPROPYL ETHER (OR) PROPANE, 2,2'-OXYBIS[2-CHLORO- |
| Waste Code: | U028 |

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| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL) ESTER (OR) DIETHYLHEXYL PHTHALATE |
| Waste Code: | U029 |
| Waste Description: | METHANE, BROMO- (OR) METHYL BROMIDE |
| Waste Code: | U030 |
| Waste Description: | 4-BROMOPHENYL PHENYL ETHER (OR) BENZENE, 1-BROMO-4-PHOXY- |
| Waste Code: | U031 |
| Waste Description: | 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I) |
| Waste Code: | U032 |
| Waste Description: | CALCIUM CHROMATE (OR) CHROMIC ACID H ₂ CrO ₄ , CALCIUM SALT |
| Waste Code: | U033 |
| Waste Description: | CARBON OXYFLUORIDE (R,T) (OR) CARBONIC DIFLUORIDE |
| Waste Code: | U034 |
| Waste Description: | ACETALDEHYDE, TRICHLORO- (OR) CHLORAL |
| Waste Code: | U035 |
| Waste Description: | BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL |
| Waste Code: | U036 |
| Waste Description: | 4,7-METHANO-1H-INDENE, 1,2,4,5,6,7,8,8-OCTACHLORO-2,3,3A,4,7,7A-HEXAHYDRO- (OR) CHLORDANE, ALPHA & GAMMA ISOMERS |
| Waste Code: | U037 |
| Waste Description: | BENZENE, CHLORO- (OR) CHLOROBENZENE |
| Waste Code: | U038 |
| Waste Description: | BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-, ETHYL ESTER (OR) CHLOROBENZILATE |
| Waste Code: | U039 |
| Waste Description: | P-CHLORO-M-CRESOL (OR) PHENOL, 4-CHLORO-3-METHYL- |
| Waste Code: | U041 |
| Waste Description: | EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)- |
| Waste Code: | U042 |
| Waste Description: | 2-CHLOROETHYL VINYL ETHER (OR) ETHENE, (2-CHLOROETHOXY)- |
| Waste Code: | U043 |
| Waste Description: | ETHENE, CHLORO- (OR) VINYL CHLORIDE |
| Waste Code: | U044 |
| Waste Description: | CHLOROFORM (OR) METHANE, TRICHLORO- |
| Waste Code: | U045 |
| Waste Description: | METHANE, CHLORO- (I,T) (OR) METHYL CHLORIDE (I,T) |
| Waste Code: | U046 |
| Waste Description: | CHLOROMETHYL METHYL ETHER (OR) METHANE, CHLOROMETHOXY- |

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| Waste Code: | U047 |
| Waste Description: | BETA-CHLORONAPHTHALENE (OR) NAPHTHALENE, 2-CHLORO- |
| Waste Code: | U048 |
| Waste Description: | O-CHLOROPHENOL (OR) PHENOL, 2-CHLORO- |
| Waste Code: | U049 |
| Waste Description: | 4-CHLORO-O-TOLUIDINE, HYDROCHLORIDE (OR) BENZENAMINE, 4-CHLORO-2-METHYL-, HYDROCHLORIDE |
| Waste Code: | U050 |
| Waste Description: | CHRYSENE |
| Waste Code: | U051 |
| Waste Description: | CREOSOTE |
| Waste Code: | U052 |
| Waste Description: | CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL- |
| Waste Code: | U053 |
| Waste Description: | 2-BUTENAL (OR) CROTONALDEHYDE |
| Waste Code: | U055 |
| Waste Description: | BENZENE, (1-METHYLETHYL)- (I) (OR) CUMENE (I) |
| Waste Code: | U056 |
| Waste Description: | BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I) |
| Waste Code: | U057 |
| Waste Description: | CYCLOHEXANONE (I) |
| Waste Code: | U058 |
| Waste Description: | 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE |
| Waste Code: | U059 |
| Waste Description: | 5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL]OXY]- 7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN |
| Waste Code: | U060 |
| Waste Description: | BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDD |
| Waste Code: | U061 |
| Waste Description: | BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDT |
| Waste Code: | U062 |
| Waste Description: | CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3-DICHLORO-2-PROPENYL) ESTER (OR) DIALLATE |
| Waste Code: | U063 |
| Waste Description: | DIBENZ[A,H]ANTHRACENE |
| Waste Code: | U064 |
| Waste Description: | BENZO[RST]PENTAPHENE (OR) DIBENZO[A,I]PYRENE |

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| Waste Code: | U066 |
| Waste Description: | 1,2-DIBROMO-3-CHLOROPROPANE (OR) PROPANE, 1,2-DIBROMO-3-CHLORO- |
| Waste Code: | U067 |
| Waste Description: | ETHANE, 1,2-DIBROMO- (OR) ETHYLENE DIBROMIDE |
| Waste Code: | U068 |
| Waste Description: | METHANE, DIBROMO- (OR) METHYLENE BROMIDE |
| Waste Code: | U069 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE |
| Waste Code: | U070 |
| Waste Description: | BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE |
| Waste Code: | U071 |
| Waste Description: | BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE |
| Waste Code: | U072 |
| Waste Description: | BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE |
| Waste Code: | U073 |
| Waste Description: | [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DICHLORO- (OR) 3,3'-DICHLOROBENZIDINE |
| Waste Code: | U074 |
| Waste Description: | 1,4-DICHLORO-2-BUTENE (I,T) (OR) 2-BUTENE, 1,4-DICHLORO- (I,T) |
| Waste Code: | U075 |
| Waste Description: | DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO- |
| Waste Code: | U076 |
| Waste Description: | ETHANE, 1,1-DICHLORO- (OR) ETHYLIDENE DICHLORIDE |
| Waste Code: | U077 |
| Waste Description: | ETHANE, 1,2-DICHLORO- (OR) ETHYLENE DICHLORIDE |
| Waste Code: | U078 |
| Waste Description: | 1,1-DICHLOROETHYLENE (OR) ETHENE, 1,1-DICHLORO- |
| Waste Code: | U079 |
| Waste Description: | 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-,(E)- |
| Waste Code: | U080 |
| Waste Description: | METHANE, DICHLORO- (OR) METHYLENE CHLORIDE |
| Waste Code: | U081 |
| Waste Description: | 2,4-DICHLOROPHENOL (OR) PHENOL, 2,4-DICHLORO- |
| Waste Code: | U082 |
| Waste Description: | 2,6-DICHLOROPHENOL (OR) PHENOL, 2,6-DICHLORO- |
| Waste Code: | U083 |
| Waste Description: | PROPANE, 1,2-DICHLORO- (OR) PROPYLENE DICHLORIDE |
| Waste Code: | U084 |
| Waste Description: | 1,3-DICHLOROPROPENE (OR) 1-PROPENE, 1,3-DICHLORO- |

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| Waste Code: | U085 |
| Waste Description: | 1,2:3,4-DIEPOXYBUTANE (I,T) (OR) 2,2'-BIOXIRANE |
| Waste Code: | U086 |
| Waste Description: | HYDRAZINE, 1,2-DIETHYL- (OR) N,N'-DIETHYLHYDRAZINE |
| Waste Code: | U087 |
| Waste Description: | O,O-DIETHYL S-METHYL DITHIOPHOSPHATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-METHYL ESTER |
| Waste Code: | U088 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER (OR) DIETHYL PHTHALATE |
| Waste Code: | U089 |
| Waste Description: | DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)- |
| Waste Code: | U090 |
| Waste Description: | 1,3-BENZODIOXOLE, 5-PROPYL- (OR) DIHYDROSAFROLE |
| Waste Code: | U091 |
| Waste Description: | [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHOXY- (OR) 3,3'-DIMETHOXYBENZIDINE |
| Waste Code: | U092 |
| Waste Description: | DIMETHYLAMINE (I) (OR) METHANAMINE, N-METHYL- (I) |
| Waste Code: | U093 |
| Waste Description: | BENZENAMINE, N,N-DIMETHYL-4-(PHENYLAZO)- (OR) P-DIMETHYLAMINOAZOBENZENE |
| Waste Code: | U094 |
| Waste Description: | 7,12-DIMETHYLBENZ[A]ANTHRACENE (OR) BENZ[A]ANTHRACENE, 7,12-DIMETHYL- |
| Waste Code: | U095 |
| Waste Description: | [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHYL- (OR) 3,3'-DIMETHYLBENZIDINE |
| Waste Code: | U096 |
| Waste Description: | ALPHA,ALPHA-DIMETHYLBENZYLHYDROPEROXIDE (R) (OR) HYDROPEROXIDE, 1-METHYL-1-PHENYLETHYL- (R) |
| Waste Code: | U097 |
| Waste Description: | CARBAMIC CHLORIDE, DIMETHYL- (OR) DIMETHYLCARBAMOYL CHLORIDE |
| Waste Code: | U098 |
| Waste Description: | 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL- |
| Waste Code: | U099 |
| Waste Description: | 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL- |
| Waste Code: | U101 |
| Waste Description: | 2,4-DIMETHYLPHENOL (OR) PHENOL, 2,4-DIMETHYL- |
| Waste Code: | U102 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, DIMETHYL ESTER (OR) DIMETHYL PHTHALATE |

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| Waste Code: | U103 |
| Waste Description: | DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER |
| Waste Code: | U105 |
| Waste Description: | 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO- |
| Waste Code: | U106 |
| Waste Description: | 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO- |
| Waste Code: | U107 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER (OR) DI-N-OCTYL PHTHALATE |
| Waste Code: | U108 |
| Waste Description: | 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE |
| Waste Code: | U109 |
| Waste Description: | 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL- |
| Waste Code: | U110 |
| Waste Description: | 1-PROPANIMINE, N-PROPYL-(I) (OR) DIPROPYLAMINE (I) |
| Waste Code: | U111 |
| Waste Description: | 1-PROPANAMINE, N-NITROSO-N-PROPYL- (OR) DI-N-PROPYLNITROSAMINE |
| Waste Code: | U112 |
| Waste Description: | ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I) |
| Waste Code: | U113 |
| Waste Description: | 2-PROPENOIC ACID, ETHYL ESTER (I) (OR) ETHYL ACRYLATE (I) |
| Waste Code: | U114 |
| Waste Description: | CARBAMODITHIOIC ACID, 1,2-ETHANEDIYLBIS-, SALTS & ESTERS (OR) ETHYLENEBISDITHIOCARBAMIC ACID, SALTS & ESTERS |
| Waste Code: | U115 |
| Waste Description: | ETHYLENE OXIDE (I,T) (OR) OXIRANE (I,T) |
| Waste Code: | U116 |
| Waste Description: | 2-IMIDAZOLIDINETHIONE (OR) ETHYLENETHIOUREA |
| Waste Code: | U117 |
| Waste Description: | ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I) |
| Waste Code: | U118 |
| Waste Description: | 2-PROPENOIC ACID, 2-METHYL-, ETHYL ESTER (OR) ETHYL METHACRYLATE |
| Waste Code: | U119 |
| Waste Description: | ETHYL METHANESULFONATE (OR) METHANESULFONIC ACID, ETHYL ESTER |
| Waste Code: | U120 |
| Waste Description: | FLUORANTHENE |
| Waste Code: | U121 |
| Waste Description: | METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFUOROMETHANE |
| Waste Code: | U122 |
| Waste Description: | FORMALDEHYDE |

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| Waste Code: | U123 |
| Waste Description: | FORMIC ACID (C,T) |
| Waste Code: | U124 |
| Waste Description: | FURAN (I) (OR) FURFURAN (I) |
| Waste Code: | U125 |
| Waste Description: | 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I) |
| Waste Code: | U126 |
| Waste Description: | GLYCIDYLALDEHYDE (OR) OXIRANECARBOXYALDEHYDE |
| Waste Code: | U127 |
| Waste Description: | BENZENE, HEXACHLORO- (OR) HEXACHLOROBENZENE |
| Waste Code: | U128 |
| Waste Description: | 1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO- (OR) HEXACHLOROBUTADIENE |
| Waste Code: | U129 |
| Waste Description: | CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE |
| Waste Code: | U130 |
| Waste Description: | 1,3-CYCLOPENTADIENE, 1,2,3,4,5,5-HEXACHLORO- (OR) HEXACHLOROCYCLOPENTADIENE |
| Waste Code: | U131 |
| Waste Description: | ETHANE, HEXACHLORO- (OR) HEXACHLOROETHANE |
| Waste Code: | U132 |
| Waste Description: | HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO- |
| Waste Code: | U133 |
| Waste Description: | HYDRAZINE (R,T) |
| Waste Code: | U134 |
| Waste Description: | HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T) |
| Waste Code: | U135 |
| Waste Description: | HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S |
| Waste Code: | U136 |
| Waste Description: | ARSINIC ACID, DIMETHYL- (OR) CACODYLIC ACID |
| Waste Code: | U137 |
| Waste Description: | INDENO[1,2,3-CD]PYRENE |
| Waste Code: | U138 |
| Waste Description: | METHANE, IODO- (OR) METHYL IODIDE |
| Waste Code: | U140 |
| Waste Description: | 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T) |
| Waste Code: | U141 |
| Waste Description: | 1,3-BENZODIOXOLE, 5-(1-PROPENYL)- (OR) ISOSAFROLE |
| Waste Code: | U142 |

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| Waste Description: | 1,3,4-METHENO-2H-CYCLOBUTA[CD]PENTALEN-2-ONE, 1,1A,3,3A,4,5,5A,5B,6-DECACHLOROCTAHYDRO- (OR) KEPONE |
| Waste Code: | U143 |
| Waste Description: | 2-BUTENOIC ACID, 2-METHYL-, 7-[[2,3-DIHYDROXY-2-(1-METHOXYETHYL)-3-METHYL-1-OXOBUTOXY]METHYL]-2,3, 5,7A-TETRAHYDRO-1H-PYRROLIZIN-1-YL ESTER, [1S-[1ALPHA(Z), 7(2S*,3R*), 7AALPHA]]- (OR) LASIOCARPINE |
| Waste Code: | U144 |
| Waste Description: | ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE |
| Waste Code: | U145 |
| Waste Description: | LEAD PHOSPHATE (OR) PHOSPHORIC ACID, LEAD(2+) SALT (2:3) |
| Waste Code: | U146 |
| Waste Description: | LEAD SUBACETATE (OR) LEAD, BIS(ACETATO-O)TETRAHYDROXYTRI- |
| Waste Code: | U147 |
| Waste Description: | 2,5-FURANDIONE (OR) MALEIC ANHYDRIDE |
| Waste Code: | U148 |
| Waste Description: | 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO- (OR) MALEIC HYDRAZIDE |
| Waste Code: | U149 |
| Waste Description: | MALONONITRILE (OR) PROPANEDINITRILE |
| Waste Code: | U150 |
| Waste Description: | L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN |
| Waste Code: | U151 |
| Waste Description: | MERCURY |
| Waste Code: | U152 |
| Waste Description: | 2-PROPENITRILE, 2-METHYL- (I,T) (OR) METHACRYLONITRILE (I,T) |
| Waste Code: | U153 |
| Waste Description: | METHANETHIOL (I,T) (OR) THIOMETHANOL (I,T) |
| Waste Code: | U154 |
| Waste Description: | METHANOL (I) (OR) METHYL ALCOHOL (I) |
| Waste Code: | U155 |
| Waste Description: | 1,2-ETHANEDIAMINE, N,N-DIMETHYL-N'-2-PYRIDINYL-N'-(2-THIENYLMETHYL)- (OR) METHAPYRILENE |
| Waste Code: | U156 |
| Waste Description: | CARBOCHLORIDIC ACID, METHYL ESTER, (I,T) (OR) METHYL CHLOROCARBONATE (I,T) |
| Waste Code: | U157 |
| Waste Description: | 3-METHYLCHOLANTHRENE (OR) BENZ[J]ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL- |
| Waste Code: | U158 |
| Waste Description: | 4,4'-METHYLENEBIS(2-CHLOROANILINE) (OR) BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO- |

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| Waste Code: | U159 |
| Waste Description: | 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T) |
| Waste Code: | U160 |
| Waste Description: | 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T) |
| Waste Code: | U161 |
| Waste Description: | 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL- |
| Waste Code: | U162 |
| Waste Description: | 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T) |
| Waste Code: | U163 |
| Waste Description: | GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG |
| Waste Code: | U164 |
| Waste Description: | 4(1H)-PYRIMIDINONE, 2,3-DIHYDRO-6-METHYL-2-THIOXO- (OR) METHYLTHIOURACIL |
| Waste Code: | U165 |
| Waste Description: | NAPHTHALENE |
| Waste Code: | U166 |
| Waste Description: | 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE |
| Waste Code: | U167 |
| Waste Description: | 1-NAPHTHALENAMINE (OR) ALPHA-NAPHTHYLAMINE |
| Waste Code: | U168 |
| Waste Description: | 2-NAPHTHALENAMINE (OR) BETA-NAPHTHYLAMINE |
| Waste Code: | U169 |
| Waste Description: | BENZENE, NITRO- (OR) NITROBENZENE (I,T) |
| Waste Code: | U170 |
| Waste Description: | P-NITROPHENOL (I,T) (OR) PHENOL, 4-NITRO- |
| Waste Code: | U171 |
| Waste Description: | 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T) |
| Waste Code: | U172 |
| Waste Description: | 1-BUTANAMINE, N-BUTYL-N-NITROSO- (OR) N-NITROSODI-N-BUTYLAMINE |
| Waste Code: | U173 |
| Waste Description: | ETHANOL, 2,2'-(NITROSOIMINO)BIS- (OR) N-NITROSODIETHANOLAMINE |
| Waste Code: | U174 |
| Waste Description: | ETHANAMINE, N-ETHYL-N-NITROSO- (OR) N-NITROSODIETHYLAMINE |
| Waste Code: | U176 |
| Waste Description: | N-NITROSO-N-ETHYLUREA (OR) UREA, N-ETHYL-N-NITROSO- |
| Waste Code: | U177 |
| Waste Description: | N-NITROSO-N-METHYLUREA (OR) UREA, N-METHYL-N-NITROSO- |

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| Waste Code: | U178 |
| Waste Description: | CARBAMIC ACID, METHYLNITROSO-, ETHYL ESTER (OR) N-NITROSO-N-METHYLURETHANE |
| Waste Code: | U179 |
| Waste Description: | N-NITROSOPIPERIDINE (OR) PIPERIDINE, 1-NITROSO- |
| Waste Code: | U180 |
| Waste Description: | N-NITROSOPYRROLIDINE (OR) PYRROLIDINE, 1-NITROSO- |
| Waste Code: | U181 |
| Waste Description: | 5-NITRO-O-TOLUIDINE (OR) BENZENAMINE, 2-METHYL-5-NITRO |
| Waste Code: | U182 |
| Waste Description: | 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE |
| Waste Code: | U183 |
| Waste Description: | BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE |
| Waste Code: | U184 |
| Waste Description: | ETHANE, PENTACHLORO- (OR) PENTACHLOROETHANE |
| Waste Code: | U185 |
| Waste Description: | BENZENE, PENTACHLORONITRO- (OR) PENTACHLORONITROBENZENE (PCNB) |
| Waste Code: | U186 |
| Waste Description: | 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I) |
| Waste Code: | U187 |
| Waste Description: | ACETAMIDE, N-(4-ETHOXYPHENYL)- (OR) PHENACETIN |
| Waste Code: | U188 |
| Waste Description: | PHENOL |
| Waste Code: | U189 |
| Waste Description: | PHOSPHORUS SULFIDE (R) (OR) SULFUR PHOSPHIDE (R) |
| Waste Code: | U190 |
| Waste Description: | 1,3-ISOBENZOFURANDIONE (OR) PHTHALIC ANHYDRIDE |
| Waste Code: | U191 |
| Waste Description: | 2-PICOLINE (OR) PYRIDINE, 2-METHYL- |
| Waste Code: | U192 |
| Waste Description: | BENZAMIDE, 3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL)- (OR) PRONAMIDE |
| Waste Code: | U193 |
| Waste Description: | 1,2-OXATHIOLANE, 2,2-DIOXIDE (OR) 1,3-PROPANE SULTONE |
| Waste Code: | U194 |
| Waste Description: | 1-PROPANAMINE (I,T) (OR) N-PROPYLAMINE (I,T) |
| Waste Code: | U196 |
| Waste Description: | PYRIDINE |
| Waste Code: | U197 |
| Waste Description: | 2,5-CYCLOHEXADIENE-1,4-DIONE (OR) P-BENZOQUINONE |

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| Waste Code: | U200 |
| Waste Description: | RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)- |
| Waste Code: | U201 |
| Waste Description: | 1,3-BENZENEDIOL (OR) RESORCINOL |
| Waste Code: | U202 |
| Waste Description: | 1,2-BENZISOTHAZOL-3(2H)-ONE, 1,1-DIOXIDE, & SALTS (OR) SACCHARIN, & SALTS |
| Waste Code: | U203 |
| Waste Description: | 1,3-BENZODIOXOLE, 5-(2-PROPENYL)- (OR) SAFROLE |
| Waste Code: | U204 |
| Waste Description: | SELENIUS ACID (OR) SELENIUM DIOXIDE |
| Waste Code: | U205 |
| Waste Description: | SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T) |
| Waste Code: | U206 |
| Waste Description: | D-GLUCOSE, 2-DEOXY-2-[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR) GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR) STREPTOZOTOCIN |
| Waste Code: | U207 |
| Waste Description: | 1,2,4,5-TETRACHLOROETHANE (OR) ETHANE, 1,2,4,5-TETRACHLORO- |
| Waste Code: | U208 |
| Waste Description: | 1,1,1,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,1,2-TETRACHLORO- |
| Waste Code: | U209 |
| Waste Description: | 1,1,1,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,2,2-TETRACHLORO- |
| Waste Code: | U210 |
| Waste Description: | ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE |
| Waste Code: | U211 |
| Waste Description: | CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO- |
| Waste Code: | U213 |
| Waste Description: | FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I) |
| Waste Code: | U214 |
| Waste Description: | ACETIC ACID, THALLIUM(1+) SALT (OR) THALLIUM(I) ACETATE |
| Waste Code: | U215 |
| Waste Description: | CARBONIC ACID, DITHALLIUM(1+) SALT (OR) THALLIUM(I) CARBONATE |
| Waste Code: | U216 |
| Waste Description: | THALLIUM CHLORIDE TLCL (OR) THALLIUM(I) CHLORIDE |
| Waste Code: | U217 |
| Waste Description: | NITRIC ACID, THALLIUM(1+) SALT (OR) THALLIUM(I) NITRATE |
| Waste Code: | U218 |

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| Waste Description: | ETHANETHIOAMIDE (OR) THIOACETAMIDE |
| Waste Code: | U219 |
| Waste Description: | THIOUREA |
| Waste Code: | U220 |
| Waste Description: | BENZENE, METHYL- (OR) TOLUENE |
| Waste Code: | U221 |
| Waste Description: | BENZENEDIAMINE, AR-METHYL- (OR) TOLUENEDIAMINE |
| Waste Code: | U222 |
| Waste Description: | BENZENAMINE, 2-METHYL-, HYDROCHLORIDE (OR) O-TOLUIDINE HYDROCHLORIDE |
| Waste Code: | U223 |
| Waste Description: | BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T) |
| Waste Code: | U225 |
| Waste Description: | BROMOFORM (OR) METHANE, TRIBROMO- |
| Waste Code: | U226 |
| Waste Description: | ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM |
| Waste Code: | U227 |
| Waste Description: | 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO- |
| Waste Code: | U228 |
| Waste Description: | ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE |
| Waste Code: | U234 |
| Waste Description: | 1,3,5-TRINITROBENZENE (R,T) (OR) BENZENE, 1,3,5-TRINITRO- |
| Waste Code: | U235 |
| Waste Description: | 1-PROPANOL, 2,3-DIBROMO-, PHOSPHATE (3:1) (OR) TRIS(2,3,-DIBROMOPROPYL) PHOSPHATE |
| Waste Code: | U236 |
| Waste Description: | 2,7-NAPHTHALENEDISULFONIC ACID,3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO -4-HYDROXY]-, TETRASODIUM SALT (OR) TRYPAN BLUE |
| Waste Code: | U237 |
| Waste Description: | 2,4-(1H,3H)-PYRIMIDINEDIONE, 5-[BIS(2-CHLOROETHYL)AMINO]- (OR) URACIL MUSTARD |
| Waste Code: | U238 |
| Waste Description: | CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE) |
| Waste Code: | U239 |
| Waste Description: | BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I) |
| Waste Code: | U240 |
| Waste Description: | 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D |
| Waste Code: | U243 |
| Waste Description: | 1-PROPENE, 1,1,2,3,3,3-HEXACHLORO- (OR) HEXACHLOROPROPENE |

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| Waste Code: | U244 |
| Waste Description: | THIOPEROXYDICARBONIC DIAMIDE [(H2N)C(S)]2S2, TETRAMETHYL- (OR) THIRAM |
| Waste Code: | U246 |
| Waste Description: | CYANOGEN BROMIDE (CN)BR |
| Waste Code: | U247 |
| Waste Description: | BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-METHOXY- (OR) METHOXYCHLOR |
| Waste Code: | U248 |
| Waste Description: | 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYL-BUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS |
| Waste Code: | U249 |
| Waste Description: | ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS |
| Waste Code: | U271 |
| Waste Description: | BENOMYL (OR) CARBAMIC ACID, [1-[(BUTYLAMINO)CARBONYL]-1H-BENZIMIDAZOL-2-YL]-, METHYL ESTER |
| Waste Code: | U277 |
| Waste Description: | SULFALLATE (OR) CARBAMODITHIOIC ACID, DIETHYL-, 2-CHLORO-2-PROPENYL ESTER |
| Waste Code: | U278 |
| Waste Description: | BENDIOCARB (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL-, METHYL CARBAMATE |
| Waste Code: | U279 |
| Waste Description: | U279 |
| Waste Code: | U280 |
| Waste Description: | BARBAN (OR) CARBAMIC ACID, (3-CHLOROPHENYL)-, 4-CHLORO-2-BUTYNYL ESTER |
| Waste Code: | U328 |
| Waste Description: | BENZENAMINE, 2-METHYL- (OR) O-TOLUIDINE |
| Waste Code: | U353 |
| Waste Description: | BENZENAMINE, 4-METHYL- (OR) P-TOLUIDINE |
| Waste Code: | U359 |
| Waste Description: | ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER |
| Waste Code: | U364 |
| Waste Description: | BENDIOCARB PHENOL (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL- |
| Waste Code: | U365 |
| Waste Description: | H-AZEPINE-1-CARBOTHIOIC ACID, HEXAHYDRO-, S-ETHYL ESTER (OR) MOLINATE |
| Waste Code: | U366 |
| Waste Description: | DAZOMET (OR) 2H-1,3,5-THIADIAZINE- 2-THIONE, TETRAHYDRO-3,5-DIMETHYL- |
| Waste Code: | U367 |
| Waste Description: | 7-BENZOFURANOL, 2,3-DIHYDRO-2,2-DIMETHYL- (OR) CARBOFURAN PHENOL |
| Waste Code: | U372 |

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Waste Description: CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (OR) CARBENDAZIM
Waste Code: U373
Waste Description: CARBAMIC ACID, PHENYL-, 1-METHYLETHYL ESTER (OR) PROPHAM
Waste Code: U375
Waste Description: CARBAMIC ACID, BUTYL-, 3-IODO-2-PROPYNYL ESTER (OR) 3-IODO-2-PROPYNYL N-BUTYLCARBAMATE
Waste Code: U376
Waste Description: CARBAMODITHIOIC ACID, DIMETHYL-, TETRAANHYDROSULFIDE WITH ORTHOTHIOSETENIOUS ACID (OR) SELENIUM, TETRAKIS (DIMETHYLDITHIOCARBAMATE)
Waste Code: U377
Waste Description: CARBAMODITHIOIC ACID, METHYL-, MONOPOTASSIUM SALT (OR) POTASSIUM N-METHYLDITHIOCARBAMATE
Waste Code: U378
Waste Description: CARBAMODITHIOIC ACID, (HYDROXYMETHYL) METHYL-, MONOPOTASSIUM SALT (OR) POTASSIUM N-HYDROXYMETHYL- N-METHYLDI-THIOCARBAMATE
Waste Code: U379
Waste Description: SODIUM DIBUTYLDITHIOCARBAMATE (OR) CARBAMODITHIOIC ACID, DIBUTYL, SODIUM SALT
Waste Code: U381
Waste Description: CARBAMODITHIOIC ACID, DIETHYL-, SODIUM SALT (OR) SODIUM DIETHYLDITHIOCARBAMATE
Waste Code: U382
Waste Description: CARBAMODITHIOIC ACID, DIMETHYL-, SODIUM SALT (OR) SODIUM DIMETHYLDITHIOCARBAMATE
Waste Code: U383
Waste Description: CARBAMODITHIOIC ACID, DIMETHYL, POTASSIUM SALT (OR) POTASSIUM DIMETHYLDITHIOCARBAMATE
Waste Code: U384
Waste Description: CARBAMODITHIOIC ACID, METHYL-, MONOSODIUM SALT (OR) METAM SODIUM
Waste Code: U385
Waste Description: CARBAMODITHIOIC ACID, DIPROPYL-, S-PROPYL ESTER
Waste Code: U386
Waste Description: CARBAMODITHIOIC ACID, CYCLOHEXYLETHYL-, S-ETHYL ESTER (OR) CYCLOATE
Waste Code: U387
Waste Description: CARBAMODITHIOIC ACID, DIPROPYL-, S-(PHENYLMETHYL) ESTER (OR) PROSULFOCARB
Waste Code: U389
Waste Description: CARBAMODITHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3,3-TRICHLORO-2-PROPENYL) ESTER (OR) TRIALLATE
Waste Code: U390
Waste Description: CARBAMODITHIOIC ACID, DIPROPYL-, S-ETHYL ESTER (OR) EPTC

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| Waste Code: | U391 |
| Waste Description: | CARBAMOTHIOIC ACID, BUTYLETHYL-, S-PROPYL ESTER (OR) PEBULATE |
| | |
| Waste Code: | U392 |
| Waste Description: | BUTYLATE (OR) CARBAMOTHIOIC ACID, BIS(2-METHYLPROPYL)-, S-ETHYL ESTER |
| | |
| Waste Code: | U393 |
| Waste Description: | COPPER, BIS(DIMETHYLCARBAMODITHIOATO-S,S')- (OR) COPPER DIMETHYLDITHIOCARBAMATE |
| | |
| Waste Code: | U394 |
| Waste Description: | A2213 (OR) ETHANIMIDOTHIOIC ACID, 2-(DIMETHYLAMINO)-N-HYDROXY-2-OXO-, METHYL ESTER |
| | |
| Waste Code: | U395 |
| Waste Description: | DIETHYLENE GLYCOL, DICARBAMATE (OR) ETHANOL, 2,2'-OXYBIS-, DICARBAMATE |
| | |
| Waste Code: | U396 |
| Waste Description: | FERBAM (OR) IRON, TRIS(DIMETHYLCARBAMODITHIOATO-S,S')-, |
| | |
| Waste Code: | U400 |
| Waste Description: | BIS(PENTAMETHYLENE)THIURAM TETRASULFIDE (OR) PIPERIDINE, 1,1'-(TETRATHIODICARBONOTHIOYL)-BIS- |
| | |
| Waste Code: | U401 |
| Waste Description: | BIS(DIMETHYLTHIOCARBAMOYL) SULFIDE (OR) TETRAMETHYLTHIURAM MONOSULFIDE |
| | |
| Waste Code: | U402 |
| Waste Description: | TETRABUTYLTHIURAM DISULFIDE (OR) THIOPEROXYDICARBONIC DIAMIDE, TETRABUTYL |
| | |
| Waste Code: | U403 |
| Waste Description: | DISULFIRAM (OR) THIOPEROXYDICARBONIC DIAMIDE, TETRAETHYL |
| | |
| Waste Code: | U404 |
| Waste Description: | U404 |
| | |
| Waste Code: | U407 |
| Waste Description: | ETHYL ZIRAM |
| | |
| Waste Code: | U409 |
| Waste Description: | CARBAMIC ACID, [1,2-PHENYLENEBIS (IMINOCARBONOTHIOYL)]BIS-, DIMETHYL ESTER (OR) THIOPHANATE-METHYL |
| | |
| Waste Code: | U410 |
| Waste Description: | ETHANIMIDOTHIOIC ACID, N,N'-[THIOBIS[(METHYLIMINO)CARBONYLOXY]]BIS-, DIMETHYL ESTER (OR) THIODICARB |
| | |
| Waste Code: | U411 |
| Waste Description: | U411 |

Handler - Owner Operator:
 Owner/Operator Indicator:
 Owner/Operator Name:
 Legal Status:
 Date Became Current:
 Date Ended Current:

Owner
 BOARD OF CURATORS UNIV OF MO S & T
 State
 19800119
 Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: 573-882-2388
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MISSOURI S & T
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS UM
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: UNIVERSITY OF MISSOURI-ROLLA
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: NA NA
Owner/Operator City,State,Zip: ROLLA, MO 65401
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: UNIVERSITY OF MISSOURI-ROLLA
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS FOR UM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------------------|-------------------------------------|
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS UM |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS FOR UNIVERSITY-MO |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | UNIVERSITY OF MISSOURI-ROLLA |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BOARD OF CURATORS UM |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------------------|---------------------------------------|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF MI |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MISSOURI UNIV OF SCIENCE & TECHNOLOGY |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1201 N STATE ST ROOM 108 |
| Owner/Operator City,State,Zip: | ROLLA, MO 65409 |
| Owner/Operator Telephone: | 573-341-7646 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS FOR UM |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF MI |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: UNIVERSITY OF MISSOURI-ROLLA
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS FOR UM
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS FOR UM
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: 573-882-2388
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MISSOURI S&T
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS UNIVERSITY OF UM
Legal Status: State
Date Became Current: 19990309
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: 573-882-2388
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: UNIVERSITY OF MISSOURI-ROLLA
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS FOR UMR
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MISSOURI UNIVERSITY OF SCIENCE & TECH
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: UNIVERSITY OF MISSOURI - ROLLA
Legal Status: State
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 215 ALTMAN HALL
Owner/Operator City,State,Zip: ROLLA, MO 65401
Owner/Operator Telephone: 573-431-4480
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MISSOURI UNIVERSITY OF SCIENCE AND TECH
Legal Status: State

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------------------|------------------------------------|
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Owner/Operator Indicator: Owner
Owner/Operator Name: CURATORS OF THE UNIVERSITY OF MISSOURI
Legal Status: State
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: 573-882-2388
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19801114
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20100301
Handler Name: DANGEROUS MATERIALS STORAGE BUILDING
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120312
Handler Name: DANGEROUS MATERIALS STORAGE BUILDING
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140212
Handler Name: DANGEROUS MATERIALS STORAGE BUILDING
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160126
Handler Name: DANGEROUS MATERIALS STORAGE BUILDING
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20180206
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Yes
Electronic Manifest Broker: No

Receive Date: 20200213
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Yes
Electronic Manifest Broker: No

Receive Date: 20220215
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Non Storage Recycler Activity: Yes
Electronic Manifest Broker: Yes

Receive Date: 19970610
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020916
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19930803
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040602
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20061026
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990308
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080107
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY MISSOURI S&T
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160926
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920228
Handler Name: UNIVERSITY OF MISSOURI - ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940404
Handler Name: UMR DANGEROUS MATERIALS STORAGE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960215
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980309
Handler Name: UNIVERSITY OF MISSOURI - ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Receive Date: 20020214
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040225
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060203
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080211
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY MISSOURI S&T
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 61131
NAICS Description: COLLEGES, UNIVERSITIES, AND PROFESSIONAL SCHOOLS

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Facility Has Received Notices of Violation:

| | |
|---|-------------------------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19930429 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 3 |
| SEP Expenditure Amount: | 80000 |
| SEP Scheduled Completion Date: | 20030601 |
| SEP Actual Date: | 20020103 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EAA |
| SEP Type Description: | Environmental Audits and Assessment |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |
| Final Amount: | 176119 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19921007 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19921007 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Transporters - Manifest and Recordkeeping
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|----------------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 20010223 |
| Actual Return to Compliance Date: | 20010223 |
| Return to Compliance Qualifier: | Unverifiable |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |

| | |
|------------------------------------|---------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19900418 |
| Actual Return to Compliance Date: | 19900503 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19900430 |
| Enforcement Identifier: | 010 |
| Date of Enforcement Action: | 19900418 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19900418
Actual Return to Compliance Date: 19900503
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19900430
Enforcement Identifier: 010
Date of Enforcement Action: 19900418
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19890724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19921007
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19920724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19891222
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 6500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20030917
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19890724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19890708
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19900418
Actual Return to Compliance Date: 19900503
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19900430
Enforcement Identifier: 010
Date of Enforcement Action: 19900418
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19940804
Actual Return to Compliance Date: 19950711
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19881115
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Unknown
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19910215
Actual Return to Compliance Date: 19910402
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19910322
Enforcement Identifier: 013
Date of Enforcement Action: 19910322
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|-----------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19910207 |
| Actual Return to Compliance Date: | 19910215 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19910215 |
| Enforcement Identifier: | 011 |
| Date of Enforcement Action: | 19910207 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Manifest |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20020917 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19940804
Actual Return to Compliance Date: 19950711
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|---|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20020911 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Transporters - Manifest and Recordkeeping |
| Date Violation was Determined: | 19950712 |
| Actual Return to Compliance Date: | 19960827 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19921007
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19890926
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 6500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|--------------------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19921007 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19921007 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 13000 |
| Paid Amount: | 13000 |
| Final Count: | 1 |
| Final Amount: | 13000 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20020917 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19920724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19890724
Enforcement Identifier: 008
Date of Enforcement Action: 19890708
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19921007
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19880401
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19921007
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19880401
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Manifest
Date Violation was Determined: 19990223
Actual Return to Compliance Date: 19990308
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19990909
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20030806
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20010223
Actual Return to Compliance Date: 20010223
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19920724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19890724
Enforcement Identifier: 008
Date of Enforcement Action: 19890708
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19880416
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19880416
Enforcement Identifier: 002
Date of Enforcement Action: 19880401
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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1000138747

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19890724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19890724
Enforcement Identifier: 008
Date of Enforcement Action: 19890708
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19910207
Actual Return to Compliance Date: 19910215
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19910215
Enforcement Identifier: 011
Date of Enforcement Action: 19910207
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Universal Waste - Small Quantity Handlers
Date Violation was Determined: 20080430
Actual Return to Compliance Date: 20080513
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20080430
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: 20080630
Disposition Status: AS
Disposition Status Description: ACTION SATISFIED (CASE CLOSED)

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7JWB
Enforcement Responsible Sub-Organization: ENSV
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--------------------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19940804 |
| Actual Return to Compliance Date: | 19950711 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 176119 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 20061102 |
| Actual Return to Compliance Date: | 20061110 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20061102 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | 20061215 |
| Disposition Status: | AS |
| Disposition Status Description: | ACTION SATISFIED (CASE CLOSED) |

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EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7JWB
Enforcement Responsible Sub-Organization: ENSV
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19930429
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19880928
Actual Return to Compliance Date: 19891026
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19921007
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Unknown
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|----------------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19880928 |
| Actual Return to Compliance Date: | 19891026 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 19890926 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 6500 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19930429 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19880928
Actual Return to Compliance Date: 19881013
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19881013
Enforcement Identifier: 005
Date of Enforcement Action: 19880928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19920724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19921007
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Transporters - Manifest and Recordkeeping
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20030917
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19940804
Actual Return to Compliance Date: 19950711
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20020917
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|---|
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 20010223 |
| Actual Return to Compliance Date: | 20010223 |
| Return to Compliance Qualifier: | Unverifiable |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Transporters - Manifest and Recordkeeping |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19880928
Actual Return to Compliance Date: 19881013
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19881013
Enforcement Identifier: 005
Date of Enforcement Action: 19880928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--------------------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20020917 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 20080430 |
| Actual Return to Compliance Date: | 20080513 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20080430 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | 20080630 |
| Disposition Status: | AS |
| Disposition Status Description: | ACTION SATISFIED (CASE CLOSED) |

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EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7JWB
Enforcement Responsible Sub-Organization: ENSV
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Used Oil - Generators
Date Violation was Determined: 20080430
Actual Return to Compliance Date: 20080513
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20080430
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: 20080630
Disposition Status: AS
Disposition Status Description: ACTION SATISFIED (CASE CLOSED)

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7JWB
Enforcement Responsible Sub-Organization: ENSV
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19880928
Actual Return to Compliance Date: 19891026
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 19880928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19900418
Actual Return to Compliance Date: 19900503
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19900430
Enforcement Identifier: 010
Date of Enforcement Action: 19900418
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Transporters - Manifest and Recordkeeping
Date Violation was Determined: 19950712
Actual Return to Compliance Date: 19960827
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19960927
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19880928
Actual Return to Compliance Date: 19881013
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19881013
Enforcement Identifier: 005
Date of Enforcement Action: 19880928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Permits - Application
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20021015
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19940804
Actual Return to Compliance Date: 19950711
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19960927
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19881115
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19921007
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Unknown
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|---------------|
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19921007 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 008 |
| Date of Enforcement Action: | 19890708 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19940804
Actual Return to Compliance Date: 19950711
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 19930429
Actual Return to Compliance Date: 19930508
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19921007
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19921007
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19960927
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Transporters - Manifest and Recordkeeping
Date Violation was Determined: 19950712
Actual Return to Compliance Date: 19960827
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19871029
Actual Return to Compliance Date: 19981113
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19930429
Actual Return to Compliance Date: 19930509
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|----------------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19940804 |
| Actual Return to Compliance Date: | 19950711 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 176119 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 19990223 |
| Actual Return to Compliance Date: | 19990308 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19990909 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19960927
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19940804
Actual Return to Compliance Date: 19940822
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19940822
Enforcement Identifier: 000
Date of Enforcement Action: 19940804
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Manifest
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20020917
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|---|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Permits - Application |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20021015 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Transporters - Manifest and Recordkeeping |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19940804
Actual Return to Compliance Date: 19950711
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Permits - Application
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20030917
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19910215
Actual Return to Compliance Date: 19910402
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19910322
Enforcement Identifier: 013
Date of Enforcement Action: 19910322
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19920724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19890708
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|-------------------------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19930429 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 1 |
| SEP Expenditure Amount: | 358706 |
| SEP Scheduled Completion Date: | 19990630 |
| SEP Actual Date: | 19990520 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EPP |
| SEP Type Description: | Emergency Planning and Preparedness |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |
| Final Amount: | 176119 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - Closure/Post-Closure |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|----------------------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 2 |
| SEP Expenditure Amount: | 428000 |
| SEP Scheduled Completion Date: | 20011231 |
| SEP Actual Date: | 20001222 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EAP |
| SEP Type Description: | Environmental Awareness Programs |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |
| Final Amount: | 176119 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19880928 |
| Actual Return to Compliance Date: | 19881013 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19881013 |
| Enforcement Identifier: | 005 |
| Date of Enforcement Action: | 19880928 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19890724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19891222
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 6500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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Database(s)

EDR ID Number
 EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|---------------|
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| | |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19940804 |
| Actual Return to Compliance Date: | 19940822 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19940822 |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19940804 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19871029
Actual Return to Compliance Date: 19981113
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Permits - Application
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20020917
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19921007
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19890926
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 6500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19921007
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19891222
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 6500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|---------------|
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19881115 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19921007 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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Database(s)

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|----------------------|
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19991221 |
| Actual Return to Compliance Date: | 20000531 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20000224 |
| Enforcement Responsible Agency: | State |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: ENF
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19880416
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19880416
Enforcement Identifier: 002
Date of Enforcement Action: 19880401
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Transporters - Manifest and Recordkeeping
Date Violation was Determined: 19950712
Actual Return to Compliance Date: 19960827
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19960927
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS

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Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20010223
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOPJ
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20010223
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19900418
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19900503
Scheduled Compliance Date: 19900430
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19900418
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19900503
Scheduled Compliance Date: 19900430
Date of Request: Not reported
Date Response Received: Not reported

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--|
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19890724 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19920724 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7KDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20030917 |
| Scheduled Compliance Date: | 20020925 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19890724 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19900418 |
| Evaluation Responsible Agency: | EPA |

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|--|
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19900503 |
| Scheduled Compliance Date: | 19900430 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19940804 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19950711 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19870910 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | MOJW |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19881115 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19960827 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Undetermined |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RMV |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19910215 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | NON-FINANCIAL RECORD REVIEW |
| Evaluation Responsible Person Identifier: | R7PAS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19910402 |

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| | |
|---|--|
| Scheduled Compliance Date: | 19910322 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19910207 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7PAS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19910215 |
| Scheduled Compliance Date: | 19910215 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7KDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20020917 |
| Scheduled Compliance Date: | 20020925 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19960927 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | No |
| Evaluation Type Description: | SIGNIFICANT NON-COMPLIER |
| Evaluation Responsible Person Identifier: | R7EGB |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

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Evaluation Date: 19860812
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020911
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950712
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19960827
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920724
Scheduled Compliance Date: 19890724
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--|
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19971231 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | No |
| Evaluation Type Description: | NOT A SIGNIFICANT NON-COMPLIER |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19870910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19921007 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19990223 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7JWB |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19990308 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7KDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20030806 |
| Scheduled Compliance Date: | 20020925 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20010720 |
| Evaluation Responsible Agency: | State |

Map ID
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOPJ
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20010223
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOPJ
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20010223
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920724
Scheduled Compliance Date: 19890724
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19880416
Scheduled Compliance Date: 19880416
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20011012
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: MOPJ
Evaluation Responsible Sub-Organization: ENF
Actual Return to Compliance Date: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19890724
Scheduled Compliance Date: 19890724
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910207
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7PAS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19910215
Scheduled Compliance Date: 19910215
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Date: 20080430
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7JWB
Evaluation Responsible Sub-Organization: ENSV
Actual Return to Compliance Date: 20080513
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20061101
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7JWB
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20061110
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19891026
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19991221
Evaluation Responsible Agency: EPA
Found Violation: Undetermined
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: R7JWB
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19850625
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19891026
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

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|---|--|
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19880928 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19881013 |
| Scheduled Compliance Date: | 19881013 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19920724 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20030917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20010223
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOPJ
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20010223
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--|
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19880928 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19881013 |
| Scheduled Compliance Date: | 19881013 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7KDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20020917 |
| Scheduled Compliance Date: | 20020925 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20080430 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7JWB |
| Evaluation Responsible Sub-Organization: | ENSV |
| Actual Return to Compliance Date: | 20080513 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20080430 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7JWB |
| Evaluation Responsible Sub-Organization: | ENSV |
| Actual Return to Compliance Date: | 20080513 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19891026
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19900418
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19900503
Scheduled Compliance Date: 19900430
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950712
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19960827
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881013
Scheduled Compliance Date: 19881013
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20021015
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--|
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19870910 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | MOJW |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19881115 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19970610 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Undetermined |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RMV |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19981113 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | No |
| Evaluation Type Description: | NOT A SIGNIFICANT NON-COMPLIER |
| Evaluation Responsible Person Identifier: | R7EGB |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19930508
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950712
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19960827
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19871029
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19981113
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19930509
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Date: 19990223
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7JWB
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19990308
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19940822
Scheduled Compliance Date: 19940822
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20021015
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20030917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--|
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19910215 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | NON-FINANCIAL RECORD REVIEW |
| Evaluation Responsible Person Identifier: | R7PAS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19910402 |
| Scheduled Compliance Date: | 19910322 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20070418 |
| Evaluation Responsible Agency: | State |
| Found Violation: | No |
| Evaluation Type Description: | COMPLIANCE ASSISTANCE VISIT |
| Evaluation Responsible Person Identifier: | MO-MD |
| Evaluation Responsible Sub-Organization: | PER |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920724
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881013
Scheduled Compliance Date: 19881013
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19890724
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19960827
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19940822
Scheduled Compliance Date: 19940822
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--|
| Evaluation Date: | 19871029 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | NON-FINANCIAL RECORD REVIEW |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19981113 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| | |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7KDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20020917 |
| Scheduled Compliance Date: | 20020925 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| | |
| Evaluation Date: | 19870910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19921007 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| | |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19921007 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| | |
| Evaluation Date: | 20010919 |
| Evaluation Responsible Agency: | State |
| Found Violation: | No |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | MOSW |

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOJW
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881115
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950712
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19991221
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: ENF
Actual Return to Compliance Date: 20000531
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--|
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19870910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19880416 |
| Scheduled Compliance Date: | 19880416 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19950712 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19960827 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19950711 |
| Evaluation Responsible Agency: | EPA |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--------------------------------|
| Found Violation: | No |
| Evaluation Type Description: | NOT A SIGNIFICANT NON-COMPLIER |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

2020 COR ACTION:

EPA ID: MOD000677773
Region: 7
Action: Remedy Construction

PADS:

Name: HAZARDOUS MATERIALS STORAGE FACILITY
Address: DMSF, EL BOSA NOVA LANE
Address 2: Not reported
City,State,Zip: ROLLA, MO 65409
EDR ID: 1000138747
EPAID: MOD000677773
Region: 7
Generator: Y
Storer: N
Disposer: N
Transporter: N
Smelter: N
Research Facility: N
Mailing Address: ENVIRONMENTAL HEALTH AND SAFETY, 12
Mailing Address 2: Not reported
Mailing City: ROLLA
Mailing State: MO
Mailing Zip: 65409
Mailing Country: US
Owner Name: UNIVERSITY OF MISSOURI-ROLLA
Certification Date: 05/17/2001
Contact Name: TONY L HUNT
Contact Title: Not reported
Contact Telephone: 573-341-4498
Contact Text: Not reported
Contact Email: Not reported

A2
South
1/8-1/4
0.135 mi.
714 ft.

BM-ROLLA RESEARCH CENTER
900 W 14TH ST
ROLLA, MO 65401
Site 1 of 2 in cluster A

SEMS-ARCHIVE 1003877298
MOSFN0703485

Relative:
Lower
Actual:
1144 ft.

SEMS Archive:
Site ID: 0703485
EPA ID: MOSFN0703485
Name: BM-ROLLA RESEARCH CENTER
Address: 900 W 14TH ST
Address 2: Not reported
City,State,Zip: ROLLA, MO 65401
Cong District: 08
FIPS Code: 29161
FF: Y
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 07
Site ID: 0703485
EPA ID: MOSFN0703485
Site Name: BM-ROLLA RESEARCH CENTER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BM-ROLLA RESEARCH CENTER (Continued)

1003877298

NPL: N
FF: Y
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 2000-04-12 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 07
Site ID: 0703485
EPA ID: MOSFN0703485
Site Name: BM-ROLLA RESEARCH CENTER
NPL: N
FF: Y
OU: 00
Action Code: RX
Action Name: FF PA
SEQ: 1
Start Date: 1999-01-14 05:00:00
Finish Date: 1999-06-07 04:00:00
Qual: N
Current Action Lead: EPA Perf In-Hse

Region: 07
Site ID: 0703485
EPA ID: MOSFN0703485
Site Name: BM-ROLLA RESEARCH CENTER
NPL: N
FF: Y
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1998-11-23 05:00:00
Finish Date: 1998-11-23 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 07
Site ID: 0703485
EPA ID: MOSFN0703485
Site Name: BM-ROLLA RESEARCH CENTER
NPL: N
FF: Y
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1995-10-25 04:00:00
Qual: W
Current Action Lead: Fed Fac

Region: 07

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BM-ROLLA RESEARCH CENTER (Continued)

1003877298

| | |
|----------------------|--------------------------|
| Site ID: | 0703485 |
| EPA ID: | MOSFN0703485 |
| Site Name: | BM-ROLLA RESEARCH CENTER |
| NPL: | N |
| FF: | Y |
| OU: | 00 |
| Action Code: | LV |
| Action Name: | FF RV |
| SEQ: | 1 |
| Start Date: | Not reported |
| Finish Date: | 1998-04-14 04:00:00 |
| Qual: | C |
| Current Action Lead: | Fed Fac |
| | |
| Region: | 07 |
| Site ID: | 0703485 |
| EPA ID: | MOSFN0703485 |
| Site Name: | BM-ROLLA RESEARCH CENTER |
| NPL: | N |
| FF: | Y |
| OU: | 00 |
| Action Code: | LV |
| Action Name: | FF RV |
| SEQ: | 3 |
| Start Date: | 1998-10-20 04:00:00 |
| Finish Date: | 1998-11-30 05:00:00 |
| Qual: | C |
| Current Action Lead: | Fed Fac |

A3
South
1/8-1/4
0.135 mi.
714 ft.

U S B M ROLLA RESEARCH
900 W 14TH ST
ROLLA, MO 65401

RCRA NonGen / NLR

1007107664
MOP000014738

Site 2 of 2 in cluster A

Relative:
Lower
Actual:
1144 ft.

| | |
|--------------------------------------|---------------------------|
| RCRA NonGen / NLR: | |
| Date Form Received by Agency: | 19971010 |
| Handler Name: | U S B M ROLLA RESEARCH |
| Handler Address: | 900 W 14TH ST |
| Handler City,State,Zip: | ROLLA, MO 65401 |
| EPA ID: | MOP000014738 |
| Contact Name: | BUCK VANNAMAN |
| Contact Address: | PO BOX 200 |
| Contact City,State,Zip: | FT LEONARD WOOD, MO 65473 |
| Contact Telephone: | 573-596-0081 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 07 |
| Land Type: | Federal |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

U S B M ROLLA RESEARCH (Continued)

1007107664

| | |
|--|--|
| Mailing Address: | PO BOX 200 |
| Mailing City, State, Zip: | FT LEONARD WOOD, MO 65473 |
| Owner Name: | USDOJ BUREAU OF LAND MANAGEMENT |
| Owner Type: | Federal |
| Operator Name: | Not reported |
| Operator Type: | Not reported |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | The land is federally-owned, The site is federally-owned |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20070730 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

U S B M ROLLA RESEARCH (Continued)

1007107664

Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported
Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D000
Waste Description: Not Defined

Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: USDOJ BUREAU OF LAND MANAGEMENT
Legal Status: Federal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: DENVER FEDERAL CTR BLDG 50
Owner/Operator City,State,Zip: DENVER, CO 80225-0047
Owner/Operator Telephone: 303-236-6418
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19971010
Handler Name: U S B M ROLLA RESEARCH
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

4
East
1/8-1/4
0.152 mi.
801 ft.

USA #1 STOP
1601 N BISHOP AVE
ROLLA, MO 65401

UST **U001160801**
N/A

Relative:
Lower
Actual:
1181 ft.

UST:
Facility ID: ST0011082
Region: SE
Easting: 607571.319
Northing: 4201780.67
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 08/26/2013
Lat/Long: 37.92135 / -91.82664
Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW10137
Owner Name: HAMILTON OIL CO
Owner Address: BUS HWY 63, PO BOX 539
Owner City,St,Zip: ROLLA, MO 65401
Owner County Code: 161
Owner Phone: 3641636
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: Not reported
Name of Person Editing Record: Not reported

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 08/07/1991
Date Tank Permanently Closed/ Removed: 08/07/1991
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA #1 STOP (Continued)

U001160801

Date Record Edited: Not reported
Person Adding/Editing Record: Not reported
Date Of NFA Letter: 08/07/1991
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 03/14/1991
Date Of Approval Letter: 08/07/1991
Firm Closing Tank: HAMILTON SON, INC
Date Closure Report Received: 07/10/1991
Registration End Date: Not reported
LockOut Flag: No
Comments: REMOVAL WITNESSED BY FIRE MARSHAL. SUPP. INFO RECEIVED 08/07/91

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27409
Tank PK: 27409
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1991-08-07 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10137
Owner Name: HAMILTON OIL CO
Owner Address: BUS HWY 63, PO BOX 539
Owner City,St,Zip: ROLLA, MO 65401
Owner County Code: 161
Owner Phone: 3641636
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: Not reported
Name of Person Editing Record: Not reported

Tank ID: 2
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA #1 STOP (Continued)

U001160801

Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 08/07/1991
Date Tank Permanently Closed/ Removed: 08/07/1991
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: Not reported
Person Adding/Editing Record: Not reported
Date Of NFA Letter: 08/07/1991
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 03/14/1991
Date Of Approval Letter: 08/07/1991
Firm Closing Tank: HAMILTON SON, INC
Date Closure Report Received: 07/10/1991
Registration End Date: Not reported
LockOut Flag: No
Comments: REMOVAL WITNESSED BY FIRE MARSHAL. SUPP. INFO RECEIVED 08/07/91

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27410
Tank PK: 27410
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1991-08-07 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA #1 STOP (Continued)

U001160801

Owner ID: OW10137
Owner Name: HAMILTON OIL CO
Owner Address: BUS HWY 63, PO BOX 539
Owner City,St,Zip: ROLLA, MO 65401
Owner County Code: 161
Owner Phone: 3641636
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: Not reported
Name of Person Editing Record: Not reported

Tank ID: 3
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 08/07/1991
Date Tank Permanently Closed/ Removed: 08/07/1991
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: Not reported
Person Adding/Editing Record: Not reported
Date Of NFA Letter: 08/07/1991
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 03/14/1991
Date Of Approval Letter: 08/07/1991
Firm Closing Tank: HAMILTON SON, INC
Date Closure Report Received: 07/10/1991
Registration End Date: Not reported
LockOut Flag: No
Comments: REMOVAL WITNESSED BY FIRE MARSHAL. SUPP. INFO RECEIVED 08/07/91

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27411
Tank PK: 27411
Case Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA #1 STOP (Continued)

U001160801

Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1991-08-07 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10137
Owner Name: HAMILTON OIL CO
Owner Address: BUS HWY 63, PO BOX 539
Owner City,St,Zip: ROLLA, MO 65401
Owner County Code: 161
Owner Phone: 3641636
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: Not reported
Name of Person Editing Record: Not reported

Tank ID: 4
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 08/07/1991
Date Tank Permanently Closed/ Removed: 08/07/1991
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA #1 STOP (Continued)

U001160801

Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: Not reported
Person Adding/Editing Record: Not reported
Date Of NFA Letter: 08/07/1991
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 03/14/1991
Date Of Approval Letter: 08/07/1991
Firm Closing Tank: HAMILTON SON, INC
Date Closure Report Received: 07/10/1991
Registration End Date: Not reported
LockOut Flag: No
Comments: REMOVAL WITNESSED BY FIRE MARSHAL. SUPP. INFO RECEIVED 08/07/91

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27412
Tank PK: 27412
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1991-08-07 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:

Facility Id: ST0011082
Tank Id: 2
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA #1 STOP (Continued)

U001160801

Facility Id: ST0011082
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0011082
Tank Id: 3
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0011082
Tank Id: 4
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B5
East
1/8-1/4
0.239 mi.
1260 ft.

THOMAS JEFFERSON RESIDENCE HALL
BISHOP AVE. AND VICHI RD
ROLLA, MO 65401

UST **U003164686**
N/A

Site 1 of 5 in cluster B

Relative:
Lower

UST:

Actual:
1175 ft.

Facility ID: ST0009351
Region: SE
Easting: 607904.298
Northing: 4202065.21
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: CON_Fortin,Joel
Date GIS Data Collected: 02/17/2014
Lat/Long: 37.92135 / -91.82664
Lat/Long (dms): Not reported

Tanks:

Owner:

Owner ID: OW06632
Owner Name: CURATORS UNIVERSITY OF MO - ROLLA
Owner Address: 210 PARKER HALL
Owner City,St,Zip: ROLLA, MO 65401
Owner County Code: 161
Owner Phone: 3414121
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1999-03-23 00:00:00
Name of Person Editing Record: NREQHW-FASTT

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1982
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: 01/01/1996
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMAS JEFFERSON RESIDENCE HALL (Continued)

U003164686

Date Record Edited: 04/02/1998
Person Adding/Editing Record: N\$PERRT
Date Of NFA Letter: 01/01/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 23097
Tank PK: 23097
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 560
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1982-01-01 00:00:00
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:

Facility Id: ST0009351
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BUREAU OF MINES (Continued)

U003980987

Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: 1998-04-14 00:00:00
Date Record Meets Archive Criteria: Not reported
Remediation ID: R003580
Rank: Not reported
Emergency Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: Not reported
RBCA NFA: No
Project Manager: L
Next Correspondence/Update With Fac: Not reported
Date Added: 06/30/1995
Date Record Edited: 09/27/2017
Person Adding Or Editing Record: LUTHER, L
Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: 03/12/1997
Site Affectd By Funding Level From PSTIF: No
General Comments: 3/15/13 MC All heating oil tanks at this site; active in VCP. Memo in file stated this info, dated 3/12/97. Certificate of completion from VCP dated 04/14/1998 for heating oil tanks. - LL

UST:

Facility ID: ST5800500
Region: SE
Easting: 607441.319
Northing: 4201442.26
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 08/26/2013
Lat/Long: Not reported
Lat/Long (dms): Not reported

Tanks:

Owner:

Owner ID: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Owner County Code: Not reported
Owner Phone: Not reported
Mail Was Not Deliverable: Not reported
Is Owner Active?: Not reported
Date Registration Received: Not reported
Date Record Added: Not reported
Date Record Edited: Not reported
Name of Person Editing Record: Not reported

Tank ID: Not reported
Tank Double Wall: Not reported
Tank Type: Not reported
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BUREAU OF MINES (Continued)

U003980987

| | |
|--|--------------|
| Meet 98 Update Requirements: | Not reported |
| Date Tank Installed: | Not reported |
| Tank Material: | Not reported |
| Code for Tank Material Manufacturer: | Not reported |
| Code for Tank Installer: | Not reported |
| Other Type Of Tank Material: | Not reported |
| Tank Internal Protection: | Not reported |
| Other Tank Internal Protection: | Not reported |
| Tank Internal Protection Date: | Not reported |
| Tank External Protection: | Not reported |
| Other Type Tank Extrn Protec: | Not reported |
| Tank External Protec Date: | Not reported |
| Date Tank Last Used: | Not reported |
| Date Tank Permanently Closed/ Removed: | Not reported |
| Dt Tk Exp Brought InUse/Internal Tracking: | Not reported |
| Tank Fees Waived: | Not reported |
| Expedite Closure On Tank?: | Not reported |
| Responsible Person Expediting Closure: | Not reported |
| Temporary Status Verified Date: | Not reported |
| Admin Fee 585: | Not reported |
| Date Administratively Closed: | Not reported |
| Date Record Added: | Not reported |
| Date Record Edited: | Not reported |
| Person Adding/Editing Record: | Not reported |
| Date Of NFA Letter: | Not reported |
| Is Tank Used For Emergency Generator: | Not reported |
| Date Closure Notice Received: | Not reported |
| Date Of Approval Letter: | Not reported |
| Firm Closing Tank: | Not reported |
| Date Closure Report Received: | Not reported |
| Registration End Date: | Not reported |
| LockOut Flag: | Not reported |
| Comments: | Not reported |

Tank Aug 2011:

| | |
|--------------------|--------------|
| Facility Id: | ST5800500 |
| Tank Id: | Not reported |
| Site Usage: | Not reported |
| Risk Type: | Not reported |
| Soil Type: | Not reported |
| GW Flow: | Not reported |
| Offsite Impact: | Not reported |
| Free Product: | Not reported |
| Drinking Water: | Not reported |
| Closed Under: | Not reported |
| No Drinking Wells: | Not reported |
| No Buildings: | Not reported |
| Vapor Barrier: | Not reported |
| St Louis Mo: | Not reported |
| Special Well Area: | Not reported |
| Surface Cap: | Not reported |
| No Excavation: | Not reported |

ASBESTOS:

| | |
|----------|---------------------------|
| Name: | MO S&T BUREAU OF MINES #1 |
| Address: | 1300 N BISHOP AVE |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BUREAU OF MINES (Continued)

U003980987

City,State,Zip: ROLLA, MO 65401
Permit Number: Not reported
Paid: True
Postmark/Email Date: 03/16/2021
Operation Type: D
Contractor Name: Spartan Services LLC
Regional Office: SERO
Owner: Missouri University of Science and Technology
Owner Address: 901 Facilities Dr
Owner City: Rolla
Owner State: Not reported
Owner Zip: Not reported
Square Feet: 11855
Linear Feet: 2730
Cubic Feet: Not reported
Asbestos Type: 2600lf frbl pipe insul, 300sf frbl pipe fittings,210 sf frbl ceiling tile,10sf frbl packing, 130 lf n-f flue pipe, 10435sf n-f floor tile/mastic, 900sf n-f cementious lab top, 24 ea n-f cementitious fume hoods
Present Use: Research Laboratory
Prior Use: Research Laboratory
Start Date: 04/05/2021
End Date: 05/06/2021
Post Date: 07/06/2021
Start Time: 700
End Time: 1730
Disposal Site: Jefferson City Landfill
Contact Person: Joel Smith
Review Date: 06/07/2021
Post Complete: True
Contractor Phone: (636) 262-5904
Contractor Registration Number: 22-03-0582
Notification Date: Not reported
Inspection Date: Not reported
Inspection Invoice: Not reported
Demo Date Recieved: Not reported
Asbestos Quantity: Not reported
Total Days: Not reported
Receive Date: Not reported
Invoice Date: Not reported
Project Type: Not reported
Comments: see related A8249-2021: D10843-2021
Amendments: on hold; revd strt 4/5 @0700, revd end 5/6; revd lunch breaks to 1130-1200; revd end 5/12;

Fiel Name: Asbestos_Abatement_Project_Notifications
Latitude: Not reported
Longitude: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

EDR ID Number
 EPA ID Number

| | | | |
|------------------|---|------------|-------------------|
| C9 | ROLLA RESEARCH CENTER-US BUREAU OF MINES, BUILDING | VCP | S105791311 |
| SSE | 1300 NORTH BISHOP AVENUE | | N/A |
| 1/4-1/2 | ROLLA, MO 65401 | | |
| 0.262 mi. | | | |
| 1383 ft. | Site 4 of 5 in cluster C | | |

| | | |
|------------------|-----------------------------|---|
| Relative: | VCP: | |
| Lower | Name: | ROLLA RESEARCH CENTER-US BUREAU OF MINES |
| | Address: | 1300 BISHOP AVENUE |
| Actual: | City,State,Zip: | ROLLA, MO 65401-2163 |
| 1123 ft. | Northing: | 4201406.2534 |
| | Easting: | 607504.18653 |
| | Facility Status: | Cert. of Completion Issued |
| | Activity Use: | Not reported |
| | Manager: | Tim Chibnall |
| | Cert. of completion issued: | 4/13/1998 |
| | Application Received: | 5/14/1996 |
| | State Funded: | Not reported |
| | Federal Funded: | Not reported |
| | Acreage: | 2.95 |
| | Operable Unit: | Rolla Research Center-US Bureau of Mines |
| | Site Description: | This site was previously used by the United States Bureau of Mines as a center for mineral and mining research. The federal government closed the facility and operation and ownership of the property was to transfer to the state university system. Investigations revealed heavy metal contamination in shallow soils across parts of the site. |
| | Contaminant: | Metals,Radionuclide |
| | Name: | ROLLA RESEARCH CENTER-US BUREAU OF MINES, BUILDINGS 4, 5, 6 & 7 |
| | Address: | 1300 NORTH BISHOP AVENUE |
| | City,State,Zip: | ROLLA, MO 65401-2163 |
| | Northing: | 4201616.1141 |
| | Easting: | 607174.55303 |
| | Facility Status: | Cert. of Completion Issued |
| | Activity Use: | Not reported |
| | Manager: | Tim Chibnall |
| | Cert. of completion issued: | 2/10/2000 |
| | Application Received: | 4/30/1998 |
| | State Funded: | Not reported |
| | Federal Funded: | Not reported |
| | Acreage: | 2.95 |
| | Operable Unit: | Rolla Research-US Bureau of Mines, Buildings 4, 5, 6 & 7 |
| | Site Description: | This site was previously used by the United States Bureau of Mines as a center for mineral and mining research. The federal government closed the facility and operation and ownership of the property was to transfer to the state university system. Although the larger property, the land and buildings, was enrolled in the Brownfields Voluntary Cleanup Program (BVCP) previously, this site consisted only of Buildings 4, 5, 6 and 7. The environmental concern at the site was lead on and engrained in building surfaces from historical operations inside the structures. |
| | Contaminant: | Lead |

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

C10 **BUREAU OF MINES**
SSE **1300 N BISHOP ST, BUILDING # 2**
1/4-1/2 **ROLLA, MO**
0.262 mi.
1383 ft. **Site 5 of 5 in cluster C**

RGA LUST **S116099166**
 N/A

Relative: RGA LUST:

| | | | |
|-----------------|------|-----------------|--------------------------------|
| Lower | 2004 | BUREAU OF MINES | 1300 N BISHOP ST, BUILDING # 2 |
| | 2003 | BUREAU OF MINES | 1300 N BISHOP ST, BUILDING # 2 |
| Actual: | 2002 | BUREAU OF MINES | 1300 N BISHOP ST, BUILDING # 2 |
| 1123 ft. | 2000 | BUREAU OF MINES | 1300 N BISHOP ST, BUILDING # 2 |
| | 1999 | BUREAU OF MINES | 1300 N BISHOP ST, BUILDING # 2 |
| | 1998 | BUREAU OF MINES | 1300 N BISHOP ST, BUILDING # 2 |
| | 1997 | BUREAU OF MINES | 1300 N BISHOP ST, BUILDING # 2 |

B11 **MOBILE ON THE RUN #120**
East **1710 N BISHOP**
1/4-1/2 **ROLLA, MO**
0.279 mi.
1475 ft. **Site 2 of 5 in cluster B**

RGA LUST **S116104172**
 N/A

Relative: RGA LUST:

| | | | |
|-----------------|------|------------------------|---------------|
| Higher | 2012 | MOBILE ON THE RUN #120 | 1710 N BISHOP |
| | 2011 | MOBILE ON THE RUN #120 | 1710 N BISHOP |
| Actual: | 2010 | MOBILE ON THE RUN #120 | 1710 N BISHOP |
| 1184 ft. | 2008 | MOBILE ON THE RUN #120 | 1710 N BISHOP |
| | 2007 | MOBILE ON THE RUN #120 | 1710 N BISHOP |
| | 2006 | MOBILE ON THE RUN #120 | 1710 N BISHOP |
| | 2005 | MOBILE ON THE RUN #120 | 1710 N BISHOP |

B12 **#120 ROLLA-MOBIL**
East **1710 N BISHOP**
1/4-1/2 **ROLLA, MO**
0.279 mi.
1475 ft. **Site 3 of 5 in cluster B**

RGA LUST **S116097603**
 N/A

Relative: RGA LUST:

| | | | |
|-----------------|------|------------------|---------------|
| Higher | 2004 | #120 ROLLA-MOBIL | 1710 N BISHOP |
| | 2003 | #120 ROLLA-MOBIL | 1710 N BISHOP |
| Actual: | 2002 | #120 ROLLA-MOBIL | 1710 N BISHOP |
| 1184 ft. | | | |

B13 **MOBILE ON THE RUN #120**
East **1710 N BISHOP**
1/4-1/2 **ROLLA, MO 65401**
0.279 mi.
1475 ft. **Site 4 of 5 in cluster B**

LUST **U000754142**
UST **N/A**

Relative: LUST:

| | | |
|-----------------|------------------------|--------------------------------|
| Higher | Name: | MOBILE ON THE RUN #120 |
| | Address: | 1710 N BISHOP |
| Actual: | City,State,Zip: | ROLLA, MO 65401 |
| 1184 ft. | Facility ID: | ST0013606 |
| | Region: | SE - Southeast Regional Office |
| | Lat/Long (dms): | 37 57 32 / 91 56 24 |
| | Spill Number: | Not reported |
| | Release Date: | 10/14/1993 |
| | Release Type: | UNDERGROUND STORAGE TANK |
| | Date Cleanup Started: | 08/21/1995 |
| | Date Cleanup Finished: | 08/21/1995 |
| | Expedited: | No |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009: No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: Not reported
Date Record Meets Archive Criteria: Not reported
Remediation ID: R004619
Rank: Not reported
Emergency Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: Not reported
RBCA NFA: No
Project Manager: L
Next Correspondence/Update With Fac: Not reported
Date Added: 06/30/1995
Date Record Edited: 09/27/2017
Person Adding Or Editing Record: LUTHER, L
Facility Sent To State Archive: No
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 08-21-95 - JH - RELEASE HAS BEEN CONFIRMED BASED ON LAB RESULTS PROVIDED BY TELEPHONE. WAITING FOR LAB REPORTS. BOOT PIERCE HAS RECEIVED HIS PAPER COPY ON THE RESULTS. SITE CLOSED, ANALYTICAL DATA DOES NOT SUPPORT ADDITIONAL INVESTIGATION.

UST:

Facility ID: ST0013606
Region: SE
Easting: 607831.769
Northing: 4201886.76
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: INTERNS
Date GIS Data Collected: 02/05/2002
Lat/Long: 37.958191 / -91.77253
Lat/Long (dms): 37 57 32 / 91 56 24

Tanks:

Owner:

Owner ID: OW10411
Owner Name: WALLIS OIL INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2015-11-03 00:00:00
Name of Person Editing Record: BERVE, TRISHA

Tank ID: 1
Tank Double Wall: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1983
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Sacrificial
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 05/01/2004
Date Tank Permanently Closed/ Removed: 05/24/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 10/20/2004
Person Adding/Editing Record: PARRIS, M
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 01/21/2004
Date Of Approval Letter: 01/22/2004
Firm Closing Tank: COMMONWEALTH CONSTRUCTION CO.
Date Closure Report Received: 07/23/2004
Registration End Date: Not reported
LockOut Flag: No
Comments: 8-23-04--rev. CR; requested UST cleaning doc and either QA/QC or NELAC certificate--MP 10-20-04--rev. response to request for closure deficiencies; response adequately addressed deficiencies; drafted NFA--MP

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 34649
Tank PK: 34651
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 12000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-05-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW10411
Owner Name: WALLIS OIL INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2015-11-03 00:00:00
Name of Person Editing Record: BERVE, TRISHA

Tank ID: 2
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1983
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Sacrificial
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 05/01/2004
Date Tank Permanently Closed/ Removed: 05/24/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 08/23/2004
Person Adding/Editing Record: PARRIS, M
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 01/21/2004
Date Of Approval Letter: 01/22/2004
Firm Closing Tank: COMMONWEALTH CONSTRUCTION CO.
Date Closure Report Received: 07/23/2004
Registration End Date: Not reported
LockOut Flag: No
Comments: 8-23-04--rev. CR; requested UST cleaning doc--MP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 34650
Tank PK: 34652
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 12000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-05-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10411
Owner Name: WALLIS OIL INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2015-11-03 00:00:00
Name of Person Editing Record: BERVE, TRISHA

Tank ID: 3
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1983
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Sacrificial
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 05/01/2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Date Tank Permanently Closed/ Removed: 05/24/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 08/23/2004
Person Adding/Editing Record: PARRIS, M
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 01/21/2004
Date Of Approval Letter: 01/22/2004
Firm Closing Tank: COMMONWEALTH CONSTRUCTION CO.
Date Closure Report Received: 07/23/2004
Registration End Date: Not reported
LockOut Flag: No
Comments: 8-23-04--rev. CR; requested UST cleaning doc--MP

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 34651
Tank PK: 34653
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 12000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-05-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW10411
Owner Name: WALLIS OIL INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2015-11-03 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Name of Person Editing Record: BERVE, TRISHA

Tank ID: 4
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Curently in use
Meet 98 Update Requirements: Not reported
Date Tank Installed: 06/16/2004
Tank Material: Clad Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 12/21/2004
Date Record Edited: 03/27/2013
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 09/30/2025
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 34652
Tank PK: 34654
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 20000
Substance: R
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 2004-07-19 00:00:00
Pipe System: 1
Pipe Material: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW10411
Owner Name: WALLIS OIL INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2015-11-03 00:00:00
Name of Person Editing Record: BERVE, TRISHA

Tank ID: 5
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Curently in use
Meet 98 Update Requirements: Not reported
Date Tank Installed: 06/16/2004
Tank Material: Clad Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 12/21/2004
Date Record Edited: 05/06/2015
Person Adding/Editing Record: WALKER, S
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 09/30/2025

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 2
Tank Compartment PK: 40640
Tank PK: 34655
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: P
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 2004-07-19 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Tanks Use: False
Compartment No: 3
Tank Compartment PK: 40641
Tank PK: 34655
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 5000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 2004-07-19 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 34653
Tank PK: 34655
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 5000
Substance: Diesel
Substance Other: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 2004-07-19 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Tank Aug 2011:

Facility Id: ST0013606
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013606
Tank Id: 2
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013606
Tank Id: 3
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Free Product: Not reported
 Drinking Water: Not reported
 Closed Under: Not reported
 No Drinking Wells: No
 No Buildings: No
 Vapor Barrier: 0
 St Louis Mo: No
 Special Well Area: No
 Surface Cap: No
 No Excavation: No

Facility Id: ST0013606
 Tank Id: 4
 Site Usage: Not reported
 Risk Type: Not reported
 Soil Type: Not reported
 GW Flow: Not reported
 Offsite Impact: Not reported
 Free Product: Not reported
 Drinking Water: Not reported
 Closed Under: Not reported
 No Drinking Wells: No
 No Buildings: No
 Vapor Barrier: 0
 St Louis Mo: No
 Special Well Area: No
 Surface Cap: No
 No Excavation: No

Facility Id: ST0013606
 Tank Id: 5
 Site Usage: Not reported
 Risk Type: Not reported
 Soil Type: Not reported
 GW Flow: Not reported
 Offsite Impact: Not reported
 Free Product: Not reported
 Drinking Water: Not reported
 Closed Under: Not reported
 No Drinking Wells: No
 No Buildings: No
 Vapor Barrier: 0
 St Louis Mo: No
 Special Well Area: No
 Surface Cap: No
 No Excavation: No

B14
East
1/4-1/2
0.279 mi.
1475 ft.

ROLLA PUMP HANDLE
1710 N BISHOP
ROLLA, MO
Site 5 of 5 in cluster B

RGA LUST S116105655
N/A

Relative:
Higher

RGA LUST:

Actual:
1184 ft.

| | | |
|------|-------------------|---------------|
| 2000 | ROLLA PUMP HANDLE | 1710 N BISHOP |
| 1999 | ROLLA PUMP HANDLE | 1710 N BISHOP |
| 1998 | ROLLA PUMP HANDLE | 1710 N BISHOP |
| 1997 | ROLLA PUMP HANDLE | 1710 N BISHOP |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

15
SE
1/4-1/2
0.351 mi.
1853 ft.

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
101 GENERAL SERVICES
ROLLA, MO 65401

LAST
UST U000753953
N/A

Relative:
Lower

LAST:

Actual:
1130 ft.

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 101 GENERAL SERVICES
City,State,Zip: ROLLA, MO 65401
Facility ID: ST0005229
Lat/Long (dms): Not reported
Lat/Long: 37.9545 / -91.7756
Region: SE
Remediation ID: R007074
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009: No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Rank: 12
Spill Number: 01133AC1520
Release Date: 01/14/1993
Emergency Reponse Date: Not reported
Emergency Cleanup Start: Not reported
Release Type: A
Date Cleanup Started: 01/21/1993
Date Cleanup Finished: 07/30/2007
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: 148
RBCA NFA: Yes
Date Of NFA Letter From DNR: 2007-08-08 00:00:00
Project Manager: G
Next Correspondence/Update With Fac: Not reported
Date Added: 06/05/2001
Date Record Edited: 08/10/2007
Person Adding Or Editing Record: LUTHER, L
Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
Date Record Meets Archive Criteria: 09/05/2007
General Comments: LA1083 4/7/02 kk rev file. Sent LAST letter req information on release of 200 gallons of gasoline due to broken valve. Was cleanup accomplished 2/3/07 jj rev file, sent a follow up letter to current director of program. 2/22/07 jj letter officially sent 03/22/07 - Received phone call from Tony from UMR. Release occurred in 1993. Tony has information about what cleanup was performed. He will be sending a report. - LL 7/30/07 vg rev report on response to AST spill (leaking valve). Spilled product contained in AST containment. Product pumped out. Impacted soil excavated. Confirmation sampling below Soil type 1 Residential RBTLs for subsurface soils. Excavated soil below DTLs. Used for backfill elsewhere on site. Site can be closed. No Risk Assessment performed Soil type 1 site is non-residential (University of Missouri Rolla Campus) groundwater flow direction is unknown No off-site impacts No AULs needed

UST:

Facility ID: ST0005229

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Region: SE
Easting: 607155.542
Northing: 4201830.75
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: CON_Fortin,Joel
Date GIS Data Collected: 02/17/2014
Lat/Long: 37.9545 / -91.7756
Lat/Long (dms): Not reported

Tanks:

Owner:

Owner ID: OW10243
Owner Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Owner Address: 4825 TROOST, SSB #109
Owner City,St,Zip: KANSAS CITY, MO 64110
Owner County Code: 95
Owner Phone: 2351623
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2007-12-06 00:00:00
Name of Person Editing Record: MASCHLER, H.

Tank ID: 11
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 11/24/1997
Person Adding/Editing Record: N\$MUKHH
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 12813
Tank PK: 12813
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 500
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10243
Owner Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Owner Address: 4825 TROOST, SSB #109
Owner City,St,Zip: KANSAS CITY, MO 64110
Owner County Code: 95
Owner Phone: 2351623
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2007-12-06 00:00:00
Name of Person Editing Record: MASCHLER, H.

Tank ID: 2
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 11/24/1997
Person Adding/Editing Record: N\$HIRSL
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 12806
Tank PK: 12806
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 560
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10243
Owner Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Owner Address: 4825 TROOST, SSB #109
Owner City,St,Zip: KANSAS CITY, MO 64110
Owner County Code: 95
Owner Phone: 2351623

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2007-12-06 00:00:00
Name of Person Editing Record: MASCHLER, H.

Tank ID: 4
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 11/24/1997
Person Adding/Editing Record: N\$MUKHH
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 12807
Tank PK: 12807
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 500
Substance: Empty
Substance Other: Not reported
Hazardous Substance: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10243
Owner Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Owner Address: 4825 TROOST, SSB #109
Owner City,St,Zip: KANSAS CITY, MO 64110
Owner County Code: 95
Owner Phone: 2351623
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2007-12-06 00:00:00
Name of Person Editing Record: MASCHLER, H.

Tank ID: 5
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 11/24/1997
Person Adding/Editing Record: N\$MUKHH
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 12808
Tank PK: 12808
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 5000
Substance: Kerosene
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10243
Owner Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Owner Address: 4825 TROOST, SSB #109
Owner City,St,Zip: KANSAS CITY, MO 64110
Owner County Code: 95
Owner Phone: 2351623
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2007-12-06 00:00:00
Name of Person Editing Record: MASCHLER, H.

Tank ID: 6
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 11/24/1997
Person Adding/Editing Record: N\$MUKHH
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 12809
Tank PK: 12809
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10243
Owner Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Owner Address: 4825 TROOST, SSB #109
Owner City,St,Zip: KANSAS CITY, MO 64110

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Owner County Code: 95
Owner Phone: 2351623
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2007-12-06 00:00:00
Name of Person Editing Record: MASCHLER, H.

Tank ID: 7
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 11/24/1997
Person Adding/Editing Record: N\$MUKHH
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 12810
Tank PK: 12810
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 6000
Substance: Diesel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10243
Owner Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Owner Address: 4825 TROOST, SSB #109
Owner City,St,Zip: KANSAS CITY, MO 64110
Owner County Code: 95
Owner Phone: 2351623
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2007-12-06 00:00:00
Name of Person Editing Record: MASCHLER, H.

Tank ID: 8
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 04/26/1996
Date Tank Permanently Closed/ Removed: 06/15/1996
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 11/24/1997
Person Adding/Editing Record: N\$HIRSL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Date Of NFA Letter: 06/15/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 04/26/1996
Date Of Approval Letter: 06/15/1996
Firm Closing Tank: ENVIRONMENTAL SCIENCE & ENG
Date Closure Report Received: 03/03/1997
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 12811
Tank PK: 12811
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Kerosene
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1996-04-26 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10243
Owner Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Owner Address: 4825 TROOST, SSB #109
Owner City,St,Zip: KANSAS CITY, MO 64110
Owner County Code: 95
Owner Phone: 2351623
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2007-12-06 00:00:00
Name of Person Editing Record: MASCHLER, H.

Tank ID: 9
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 04/26/1996
Date Tank Permanently Closed/ Removed: 06/15/1996
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 11/24/1997
Person Adding/Editing Record: N\$HIRSL
Date Of NFA Letter: 06/15/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 04/26/1996
Date Of Approval Letter: 06/15/1996
Firm Closing Tank: ENVIRONMENTAL SCIENCE & ENG
Date Closure Report Received: 03/03/1997
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 12812
Tank PK: 12812
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Kerosene
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1996-04-26 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:

Facility Id: ST0005229
Tank Id: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0005229
Tank Id: 4
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0005229
Tank Id: 5
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0005229
Tank Id: 6
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0005229
Tank Id: 7
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0005229
Tank Id: 8
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0005229
Tank Id: 9
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Drinking Water: Not reported
 Closed Under: Not reported
 No Drinking Wells: No
 No Buildings: No
 Vapor Barrier: 0
 St Louis Mo: No
 Special Well Area: No
 Surface Cap: No
 No Excavation: No

Facility Id: ST0005229
 Tank Id: 11
 Site Usage: Not reported
 Risk Type: Not reported
 Soil Type: Not reported
 GW Flow: Not reported
 Offsite Impact: Not reported
 Free Product: Not reported
 Drinking Water: Not reported
 Closed Under: Not reported
 No Drinking Wells: No
 No Buildings: No
 Vapor Barrier: 0
 St Louis Mo: No
 Special Well Area: No
 Surface Cap: No
 No Excavation: No

| | | | |
|------------------|---------------------------------|-----------------|-------------------|
| D16 | #520 SMITH 66 | RGA LUST | S116097608 |
| SSE | 1002 N BISHOP | | N/A |
| 1/4-1/2 | ROLLA, MO | | |
| 0.384 mi. | | | |
| 2028 ft. | Site 1 of 2 in cluster D | | |

| | | | | | | |
|------------------|-----------|------|---------------|---------------|--|--|
| Relative: | RGA LUST: | | | | | |
| Lower | | 2012 | #520 SMITH 66 | 1002 N BISHOP | | |
| Actual: | | 2011 | #520 SMITH 66 | 1002 N BISHOP | | |
| 1109 ft. | | 2010 | #520 SMITH 66 | 1002 N BISHOP | | |
| | | 2008 | #520 SMITH 66 | 1002 N BISHOP | | |
| | | 2007 | #520 SMITH 66 | 1002 N BISHOP | | |
| | | 2006 | #520 SMITH 66 | 1002 N BISHOP | | |
| | | 2005 | #520 SMITH 66 | 1002 N BISHOP | | |
| | | 2004 | #520 SMITH 66 | 1002 N BISHOP | | |

| | | | |
|------------------|---------------------------------|-------------|-------------------|
| D17 | #520 SMITH 66 | LUST | U003403218 |
| SSE | 1002 N BISHOP | UST | N/A |
| 1/4-1/2 | ROLLA, MO 65401 | | |
| 0.384 mi. | | | |
| 2028 ft. | Site 2 of 2 in cluster D | | |

| | | | | | |
|------------------|-----------------|--|--------------------------------|--|--|
| Relative: | LUST: | | | | |
| Lower | Name: | | #520 SMITH 66 | | |
| Actual: | Address: | | 1002 N BISHOP | | |
| 1109 ft. | City,State,Zip: | | ROLLA, MO 65401 | | |
| | Facility ID: | | ST0011042 | | |
| | Region: | | SE - Southeast Regional Office | | |
| | Lat/Long (dms): | | Not reported | | |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Spill Number: Not reported
Release Date: Not reported
Release Type: UNDERGROUND STORAGE TANK
Date Cleanup Started: 02/19/2004
Date Cleanup Finished: 12/07/2004
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009: No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: 2004-12-07 00:00:00
Date Record Meets Archive Criteria: Not reported
Remediation ID: R007718
Rank: 29
Emergency Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: Not reported
RBCA NFA: Yes
Project Manager: J
Next Correspondence/Update With Fac: Not reported
Date Added: 02/19/2004
Date Record Edited: 11/09/2007
Person Adding Or Editing Record: LUTHER, L
Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 11/09/07 - Remediation connected to closure. Remediation not necessary. Closure NFA used to close Remediation. NFA issued 12/07/2004. - LL

UST:

Facility ID: ST0011042
Region: SE
Easting: 607464.316
Northing: 4201217.06
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: INTERNS
Date GIS Data Collected: 02/05/2002
Lat/Long: 37.9522 / -91.776812
Lat/Long (dms): Not reported

Tanks:

Owner:

Owner ID: OW10125
Owner Name: WALLIS ENERGY INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1998-11-23 00:00:00
Name of Person Editing Record: NRESSD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1985
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 04/30/2004
Date Tank Permanently Closed/ Removed: 04/30/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/18/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 12/07/2004
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 06/08/2004
Date Of Approval Letter: 06/14/2004
Firm Closing Tank: COMMONWEALTH CONSTRUCTION
Date Closure Report Received: 08/13/2004
Registration End Date: Not reported
LockOut Flag: No
Comments: 10/01/04 letter in response to CR review - pc - requests nearby utilities site sketch, WP for GW assessment. Finish db update for all tanks.

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27313
Tank PK: 27313
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-04-30 00:00:00
Pipe Installation Date: 1998-06-01 00:00:00
Pipe System: 1
Pipe Material: 8
Pipe Material Other: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW10125
Owner Name: WALLIS ENERGY INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1998-11-23 00:00:00
Name of Person Editing Record: NRESSD

Tank ID: 2
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1985
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 04/30/2004
Date Tank Permanently Closed/ Removed: 04/30/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/18/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 12/07/2004
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 06/08/2004
Date Of Approval Letter: 06/14/2004
Firm Closing Tank: COMMONWEALTH CONSTRUCTION
Date Closure Report Received: 08/13/2004
Registration End Date: Not reported
LockOut Flag: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Comments: 10/01/04 letter in response to CR review - pc - requests nearby utilities site sketch, WP for GW assessment. 11/3/04 letter sent in response to submittal, based on bedrock assessment and review, the previously requested work plan for groundwater assessment is not necessary. Dept will require signed and sealed Table 4. 12/7/04 - NFA issued

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27314
Tank PK: 27314
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-04-30 00:00:00
Pipe Installation Date: 1998-06-01 00:00:00
Pipe System: 1
Pipe Material: 8
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW10125
Owner Name: WALLIS ENERGY INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1998-11-23 00:00:00
Name of Person Editing Record: NRESSD

Tank ID: 3
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1982
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 06/30/2003
Date Tank Permanently Closed/ Removed: 10/13/2003
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/18/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 12/07/2004
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 07/07/2003
Date Of Approval Letter: 07/08/2003
Firm Closing Tank: COMMONWEALTH CONSTRUCTION
Date Closure Report Received: 11/20/2003
Registration End Date: Not reported
LockOut Flag: No
Comments: Response to CR - because of GW, no closure samples taken - as a result, wp forthcoming - it must include an assesment of PI and piping as well as GW - 12-16-03 KMT 03/16/04 KMT - Rcvd wp for closure sampling because of the GW difficulties - approved with requirements for PI and piping samples - asked for clarification as to the fate of product piping

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27315
Tank PK: 27315
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2003-06-30 00:00:00
Pipe Installation Date: 1998-06-01 00:00:00
Pipe System: 1
Pipe Material: 8
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Owner ID: OW10125
Owner Name: WALLIS ENERGY INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1998-11-23 00:00:00
Name of Person Editing Record: NRESSD

Tank ID: 4
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1977
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 04/30/2004
Date Tank Permanently Closed/ Removed: 06/14/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/18/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 12/07/2004
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 06/08/2004
Date Of Approval Letter: 06/14/2004
Firm Closing Tank: COMMONWEALTH CONSTRUCTION
Date Closure Report Received: 08/13/2004
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27316
Tank PK: 27316
Case Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 6000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-04-30 00:00:00
Pipe Installation Date: 1998-06-01 00:00:00
Pipe System: 1
Pipe Material: 8
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW10125
Owner Name: WALLIS ENERGY INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1998-11-23 00:00:00
Name of Person Editing Record: NRESSD

Tank ID: 5
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1982
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 04/30/2004
Date Tank Permanently Closed/ Removed: 06/14/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/18/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 12/07/2004
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 06/08/2004
Date Of Approval Letter: 06/14/2004
Firm Closing Tank: COMMONWEALTH CONSTRUCTION
Date Closure Report Received: 08/13/2004
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27317
Tank PK: 27317
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 560
Substance: Used Oil
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-04-30 00:00:00
Pipe Installation Date: Not reported
Pipe System: 4
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: 2
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW10125
Owner Name: WALLIS ENERGY INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1998-11-23 00:00:00
Name of Person Editing Record: NRESSD

Tank ID: 6
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

| | |
|--|---------------------------|
| Meet 98 Update Requirements: | Not reported |
| Date Tank Installed: | Not reported |
| Tank Material: | Steel |
| Code for Tank Material Manufacturer: | Not reported |
| Code for Tank Installer: | Not reported |
| Other Type Of Tank Material: | Not reported |
| Tank Internal Protection: | Not reported |
| Other Tank Internal Protection: | Not reported |
| Tank Internal Protection Date: | Not reported |
| Tank External Protection: | Not reported |
| Other Type Tank Extrn Protec: | Not reported |
| Tank External Protec Date: | Not reported |
| Date Tank Last Used: | Not reported |
| Date Tank Permanently Closed/ Removed: | 06/14/2004 |
| Dt Tk Exp Brought InUse/Internal Tracking: | Not reported |
| Tank Fees Waived: | No |
| Expedite Closure On Tank?: | No |
| Responsible Person Expediting Closure: | PC |
| Temporary Status Verified Date: | Not reported |
| Admin Fee 585: | Not reported |
| Date Administratively Closed: | Not reported |
| Date Record Added: | 07/21/2004 |
| Date Record Edited: | 06/18/2008 |
| Person Adding/Editing Record: | LIGHT, K |
| Date Of NFA Letter: | 12/07/2004 |
| Is Tank Used For Emergency Generator: | No |
| Date Closure Notice Received: | Not reported |
| Date Of Approval Letter: | Not reported |
| Firm Closing Tank: | COMMONWEALTH CONSTRUCTION |
| Date Closure Report Received: | 08/13/2004 |
| Registration End Date: | Not reported |
| LockOut Flag: | No |
| Comments: | Not reported |
| Tank Compartment: | |
| Tanks Use: | False |
| Compartment No: | 1 |
| Tank Compartment PK: | 27318 |
| Tank PK: | 27318 |
| Case Number: | Not reported |
| Compartment Status: | Removed |
| Compartment Temp Verified Dt: | Not reported |
| Capacity: | 1000 |
| Substance: | Unspecified Petroleum |
| Substance Other: | Not reported |
| Hazardous Substance: | Not reported |
| Mixture: | False |
| Date of Last Use: | Not reported |
| Pipe Installation Date: | Not reported |
| Pipe System: | Not reported |
| Pipe Material: | Not reported |
| Pipe Material Other: | Not reported |
| Pipe Protection: | Not reported |
| Pipe Protection Date: | Not reported |
| Pipe Double Wall: | 0 |
| Spill Protection: | False |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Owner:

Owner ID: OW10125
Owner Name: WALLIS ENERGY INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1998-11-23 00:00:00
Name of Person Editing Record: NRESSD

Tank ID: 7
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: 06/14/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 07/21/2004
Date Record Edited: 06/18/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 12/07/2004
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: COMMONWEALTH CONSTRUCTION
Date Closure Report Received: 08/13/2004
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27319

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Tank PK: 27319
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 1000
Substance: Unspecified Petroleum
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10125
Owner Name: WALLIS ENERGY INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1998-11-23 00:00:00
Name of Person Editing Record: NRESSD

Tank ID: 8
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: 06/14/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 07/21/2004
Date Record Edited: 06/18/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 12/07/2004
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: COMMONWEALTH CONSTRUCTION
Date Closure Report Received: 08/13/2004
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27320
Tank PK: 27320
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 1000
Substance: Unspecified Petroleum
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:

Facility Id: ST0011042
Tank Id: 1
Site Usage: Not reported
Risk Type: 6
Soil Type: 38
GW Flow: 13
Offsite Impact: 17
Free Product: 0
Drinking Water: 42
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

| | |
|--------------------|--------------|
| No Excavation: | No |
| Facility Id: | ST0011042 |
| Tank Id: | 2 |
| Site Usage: | Not reported |
| Risk Type: | 6 |
| Soil Type: | 38 |
| GW Flow: | 13 |
| Offsite Impact: | 17 |
| Free Product: | 0 |
| Drinking Water: | 42 |
| Closed Under: | Not reported |
| No Drinking Wells: | No |
| No Buildings: | No |
| Vapor Barrier: | 0 |
| St Louis Mo: | No |
| Special Well Area: | No |
| Surface Cap: | No |
| No Excavation: | No |
| Facility Id: | ST0011042 |
| Tank Id: | 3 |
| Site Usage: | Not reported |
| Risk Type: | 6 |
| Soil Type: | 38 |
| GW Flow: | 13 |
| Offsite Impact: | 17 |
| Free Product: | 0 |
| Drinking Water: | 42 |
| Closed Under: | Not reported |
| No Drinking Wells: | No |
| No Buildings: | No |
| Vapor Barrier: | 0 |
| St Louis Mo: | No |
| Special Well Area: | No |
| Surface Cap: | No |
| No Excavation: | No |
| Facility Id: | ST0011042 |
| Tank Id: | 4 |
| Site Usage: | Not reported |
| Risk Type: | 6 |
| Soil Type: | 38 |
| GW Flow: | 13 |
| Offsite Impact: | 17 |
| Free Product: | 0 |
| Drinking Water: | 42 |
| Closed Under: | Not reported |
| No Drinking Wells: | No |
| No Buildings: | No |
| Vapor Barrier: | 0 |
| St Louis Mo: | No |
| Special Well Area: | No |
| Surface Cap: | No |
| No Excavation: | No |
| Facility Id: | ST0011042 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Tank Id: 5
Site Usage: Not reported
Risk Type: 6
Soil Type: 38
GW Flow: 13
Offsite Impact: 17
Free Product: 0
Drinking Water: 42
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0011042
Tank Id: 6
Site Usage: Not reported
Risk Type: 6
Soil Type: 38
GW Flow: 13
Offsite Impact: 17
Free Product: 0
Drinking Water: 42
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0011042
Tank Id: 7
Site Usage: Not reported
Risk Type: 6
Soil Type: 38
GW Flow: 13
Offsite Impact: 17
Free Product: 0
Drinking Water: 42
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0011042
Tank Id: 8
Site Usage: Not reported
Risk Type: 6

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Soil Type: 38
GW Flow: 13
Offsite Impact: 17
Free Product: 0
Drinking Water: 42
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

E18
SSE
1/4-1/2
0.456 mi.
2406 ft.

STEWART APARTMENTS
TENTH AND STATE STREETS
ROLLA, MO 65401

LUST U003981126
UST N/A

Site 1 of 2 in cluster E

Relative:
Lower
Actual:
1123 ft.

LUST:
Name: STEWART APARTMENTS
Address: TENTH AND STATE STREETS
City,State,Zip: ROLLA, MO 65401
Facility ID: ST5800714
Region: SE - Southeast Regional Office
Lat/Long (dms): Not reported
Spill Number: 940822-1431-BWH
Release Date: 01/01/1994
Release Type: UNDERGROUND STORAGE TANK
Date Cleanup Started: 08/22/1994
Date Cleanup Finished: 12/20/1994
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009: No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: 1994-12-20 00:00:00
Date Record Meets Archive Criteria: Not reported
Remediation ID: R004888
Rank: Not reported
Emergency Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: Not reported
RBCA NFA: No
Project Manager: L
Next Correspondence/Update With Fac: Not reported
Date Added: 06/30/1995
Date Record Edited: 09/27/2017
Person Adding Or Editing Record: LUTHER, L
Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 12-19-94 - JM - RECEIVED 12/12/94 WASTE DISPOSAL MANIFEST.
SITE CLOSED.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

STEWART APARTMENTS (Continued)

U003981126

UST:

| | |
|-------------------------------|-------------------------|
| Facility ID: | ST5800714 |
| Region: | SE |
| Easting: | 607570.253 |
| Northing: | 4201100.77 |
| Owner Of Geospatial Data: | Hazardous Waste Program |
| Geospatial Data Collected By: | CON_Fortin,Joel |
| Date GIS Data Collected: | 02/17/2014 |
| Lat/Long: | 37.95146 / -91.77548 |
| Lat/Long (dms): | Not reported |

Tanks:

Owner:

| | |
|--------------------------------|--------------|
| Owner ID: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City,St,Zip: | Not reported |
| Owner County Code: | Not reported |
| Owner Phone: | Not reported |
| Mail Was Not Deliverable: | Not reported |
| Is Owner Active?: | Not reported |
| Date Registration Received: | Not reported |
| Date Record Added: | Not reported |
| Date Record Edited: | Not reported |
| Name of Person Editing Record: | Not reported |

| | |
|--|---------------------|
| Tank ID: | Not reported |
| Tank Double Wall: | Not reported |
| Tank Type: | Not reported |
| Tank Status: | Not reported |
| Meet 98 Update Requirements: | Not reported |
| Date Tank Installed: | Not reported |
| Tank Material: | Not reported |
| Code for Tank Material Manufacturer: | Not reported |
| Code for Tank Installer: | Not reported |
| Other Type Of Tank Material: | Not reported |
| Tank Internal Protection: | Not reported |
| Other Tank Internal Protection: | Not reported |
| Tank Internal Protection Date: | Not reported |
| Tank External Protection: | Not reported |
| Other Type Tank Extn Protec: | Not reported |
| Tank External Protec Date: | Not reported |
| Date Tank Last Used: | Not reported |
| Date Tank Permanently Closed/ Removed: | Not reported |
| Dt Tk Exp Brought InUse/Internal Tracking: | Not reported |
| Tank Fees Waived: | Not reported |
| Expedite Closure On Tank?: | Not reported |
| Responsible Person Expediting Closure: | Not reported |
| Temporary Status Verified Date: | Not reported |
| Admin Fee 585: | Not reported |
| Date Administratively Closed: | Not reported |
| Date Record Added: | Not reported |
| Date Record Edited: | Not reported |
| Person Adding/Editing Record: | Not reported |
| Date Of NFA Letter: | Not reported |
| Is Tank Used For Emergency Generator: | Not reported |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

STEWART APARTMENTS (Continued)

U003981126

| | |
|-------------------------------|--------------|
| Date Closure Notice Received: | Not reported |
| Date Of Approval Letter: | Not reported |
| Firm Closing Tank: | Not reported |
| Date Closure Report Received: | Not reported |
| Registration End Date: | Not reported |
| LockOut Flag: | Not reported |
| Comments: | Not reported |

Tank Aug 2011:

| | |
|--------------------|--------------|
| Facility Id: | ST5800714 |
| Tank Id: | Not reported |
| Site Usage: | Not reported |
| Risk Type: | Not reported |
| Soil Type: | Not reported |
| GW Flow: | Not reported |
| Offsite Impact: | Not reported |
| Free Product: | Not reported |
| Drinking Water: | Not reported |
| Closed Under: | Not reported |
| No Drinking Wells: | Not reported |
| No Buildings: | Not reported |
| Vapor Barrier: | Not reported |
| St Louis Mo: | Not reported |
| Special Well Area: | Not reported |
| Surface Cap: | Not reported |
| No Excavation: | Not reported |

E19
SSE
 1/4-1/2
 0.456 mi.
 2406 ft.

STEWART APARTMENTS
TENTH & STATE STREETS
ROLLA, MO

RGA LUST **S116106733**
N/A

Site 2 of 2 in cluster E

Relative:
Lower
Actual:
1123 ft.

RGA LUST:

| | | |
|------|--------------------|-----------------------|
| 2012 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2011 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2010 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2008 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2007 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2006 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2005 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2004 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2003 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2002 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2000 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 1999 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 1998 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 1997 | STEWART APARTMENTS | TENTH & STATE STREETS |

Count: 3 records.

ORPHAN SUMMARY

| <u>City</u> | <u>EDR ID</u> | <u>Site Name</u> | <u>Site Address</u> | <u>Zip</u> | <u>Database(s)</u> |
|-------------|---------------|------------------------|---------------------------|------------|--------------------|
| ROLLA | 1003862188 | POWERVILLE OUTER ROAD | I-44 AT EXIT 169 | 65402 | SEMS-ARCHIVE |
| ROLLA | S108945652 | CHYMIK INVESTMENTS INC | 700-708 S BISHOP | 65401 | LAST |
| ROLLA | 1003876611 | SARCHET, B R ARENA | OLD HWY 63 8 MI N OF I-44 | 65401 | SEMS-ARCHIVE |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

| | |
|---|--|
| Date of Government Version: 01/25/2022 | Source: EPA |
| Date Data Arrived at EDR: 02/03/2022 | Telephone: N/A |
| Date Made Active in Reports: 02/22/2022 | Last EDR Contact: 05/05/2022 |
| Number of Days to Update: 19 | Next Scheduled EDR Contact: 07/11/2022 |
| | Data Release Frequency: Quarterly |

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

| | |
|---|--|
| Date of Government Version: 01/25/2022 | Source: EPA |
| Date Data Arrived at EDR: 02/03/2022 | Telephone: N/A |
| Date Made Active in Reports: 02/22/2022 | Last EDR Contact: 05/05/2022 |
| Number of Days to Update: 19 | Next Scheduled EDR Contact: 07/11/2022 |
| | Data Release Frequency: Quarterly |

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 05/05/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/05/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/05/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

| | |
|---|---|
| Date of Government Version: 11/19/2021 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/19/2021 | Telephone: 703-603-0695 |
| Date Made Active in Reports: 02/14/2022 | Last EDR Contact: 02/23/2022 |
| Number of Days to Update: 87 | Next Scheduled EDR Contact: 06/06/2022 |
| | Data Release Frequency: Varies |

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

| | |
|---|---|
| Date of Government Version: 11/19/2021 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/19/2021 | Telephone: 703-603-0695 |
| Date Made Active in Reports: 02/14/2022 | Last EDR Contact: 02/23/2022 |
| Number of Days to Update: 87 | Next Scheduled EDR Contact: 06/06/2022 |
| | Data Release Frequency: Varies |

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

| | |
|---|---|
| Date of Government Version: 12/31/2021 | Source: National Response Center, United States Coast Guard |
| Date Data Arrived at EDR: 03/01/2022 | Telephone: 202-267-2180 |
| Date Made Active in Reports: 03/10/2022 | Last EDR Contact: 03/22/2022 |
| Number of Days to Update: 9 | Next Scheduled EDR Contact: 07/04/2022 |
| | Data Release Frequency: Quarterly |

Lists of state- and tribal hazardous waste facilities

SHWS: Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

| | |
|---|---|
| Date of Government Version: 09/21/2020 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 09/23/2020 | Telephone: 573-751-1990 |
| Date Made Active in Reports: 12/15/2020 | Last EDR Contact: 03/07/2022 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 06/20/2022 |
| | Data Release Frequency: Annually |

HWS DETAIL: Registry Annual Report

Each site is described in detail in this annual report and includes the following information: a general description of the site; a summary of any significant environmental problems at and near the site; a summary of any serious health problems in the immediate vicinity of the site; the status of any testing, monitoring or remedial actions in progress or recommended by the department.

| | |
|---|---|
| Date of Government Version: 06/30/2021 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 02/25/2022 | Telephone: 573-751-3176 |
| Date Made Active in Reports: 05/20/2022 | Last EDR Contact: 02/22/2022 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 06/06/2022 |
| | Data Release Frequency: Annually |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Solid Waste Facility List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

| | |
|---|---|
| Date of Government Version: 02/22/2022 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 02/23/2022 | Telephone: 573-751-5401 |
| Date Made Active in Reports: 05/20/2022 | Last EDR Contact: 02/23/2022 |
| Number of Days to Update: 86 | Next Scheduled EDR Contact: 06/06/2022 |
| | Data Release Frequency: Varies |

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

| | |
|---|---|
| Date of Government Version: 11/29/2021 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 12/08/2021 | Telephone: 573-751-0135 |
| Date Made Active in Reports: 02/24/2022 | Last EDR Contact: 03/09/2022 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 06/20/2022 |
| | Data Release Frequency: Quarterly |

LAST: Leaking Aboveground Storage Tanks

A listing of leaking aboveground storage tanks.

| | |
|---|---|
| Date of Government Version: 11/29/2021 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 12/08/2021 | Telephone: 573-751-6822 |
| Date Made Active in Reports: 02/24/2022 | Last EDR Contact: 03/09/2022 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 06/20/2022 |
| | Data Release Frequency: Quarterly |

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

| | |
|---|--|
| Date of Government Version: 10/12/2021 | Source: EPA Region 7 |
| Date Data Arrived at EDR: 11/15/2021 | Telephone: 913-551-7003 |
| Date Made Active in Reports: 02/08/2022 | Last EDR Contact: 04/21/2022 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

| | |
|---|--|
| Date of Government Version: 10/12/2021 | Source: EPA Region 8 |
| Date Data Arrived at EDR: 11/15/2021 | Telephone: 303-312-6271 |
| Date Made Active in Reports: 02/08/2022 | Last EDR Contact: 04/21/2022 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

| | |
|---|---|
| Date of Government Version: 10/12/2021 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/15/2021 | Telephone: 415-972-3372 |
| Date Made Active in Reports: 02/08/2022 | Last EDR Contact: 04/21/2022 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

| | |
|---|--|
| Date of Government Version: 10/12/2021 | Source: EPA Region 10 |
| Date Data Arrived at EDR: 11/15/2021 | Telephone: 206-553-2857 |
| Date Made Active in Reports: 02/08/2022 | Last EDR Contact: 04/21/2022 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

| | |
|---|--|
| Date of Government Version: 10/12/2021 | Source: EPA, Region 5 |
| Date Data Arrived at EDR: 11/15/2021 | Telephone: 312-886-7439 |
| Date Made Active in Reports: 02/08/2022 | Last EDR Contact: 04/21/2022 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

| | |
|---|--|
| Date of Government Version: 10/12/2021 | Source: EPA Region 6 |
| Date Data Arrived at EDR: 11/15/2021 | Telephone: 214-665-6597 |
| Date Made Active in Reports: 02/08/2022 | Last EDR Contact: 04/21/2022 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

| | |
|---|--|
| Date of Government Version: 04/28/2021 | Source: EPA Region 1 |
| Date Data Arrived at EDR: 06/11/2021 | Telephone: 617-918-1313 |
| Date Made Active in Reports: 09/07/2021 | Last EDR Contact: 04/21/2022 |
| Number of Days to Update: 88 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

| | |
|---|--|
| Date of Government Version: 05/28/2021 | Source: EPA Region 4 |
| Date Data Arrived at EDR: 06/22/2021 | Telephone: 404-562-8677 |
| Date Made Active in Reports: 09/20/2021 | Last EDR Contact: 04/21/2022 |
| Number of Days to Update: 90 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

| | |
|---|--|
| Date of Government Version: 10/14/2021 | Source: FEMA |
| Date Data Arrived at EDR: 11/05/2021 | Telephone: 202-646-5797 |
| Date Made Active in Reports: 02/01/2022 | Last EDR Contact: 04/04/2022 |
| Number of Days to Update: 88 | Next Scheduled EDR Contact: 07/18/2022 |
| | Data Release Frequency: Varies |

UST: Petroleum Storage Tanks
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/29/2021
Date Data Arrived at EDR: 12/08/2021
Date Made Active in Reports: 02/24/2022
Number of Days to Update: 78

Source: Department of Natural Resources
Telephone: 573-751-0135
Last EDR Contact: 03/09/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

AST: Aboveground Petroleum Storage Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 02/22/2022
Date Data Arrived at EDR: 02/24/2022
Date Made Active in Reports: 05/20/2022
Number of Days to Update: 85

Source: Department of Agriculture
Telephone: 573-751-7062
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Sites with Controls

Activity and use limitations include both engineering controls and institutional controls.

Date of Government Version: 02/07/2022
Date Data Arrived at EDR: 02/08/2022
Date Made Active in Reports: 05/05/2022
Number of Days to Update: 86

Source: Department of Natural Resources
Telephone: 573-751-3176
Last EDR Contact: 05/09/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

VCP: Sites Participating in the Voluntary Cleanup Program

Sites participating in the Voluntary Cleanup Program.

Date of Government Version: 02/07/2022
Date Data Arrived at EDR: 02/08/2022
Date Made Active in Reports: 05/05/2022
Number of Days to Update: 86

Source: Department of Natural Resources
Telephone: 573-526-8913
Last EDR Contact: 05/09/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS: Brownfields Site List

Brownfields are sites where redevelopment and reuse is hampered by known or suspected contamination with hazardous substances. While many brownfield sites are minimally contaminated, potential environmental liability can be a problem for owners, operators, prospective buyers and financial institutions. Because of the large number of these sites, their economic impact especially in heavily industrial areas is substantial.

| | |
|---|---|
| Date of Government Version: 02/07/2022 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 02/08/2022 | Telephone: 573-526-8913 |
| Date Made Active in Reports: 05/05/2022 | Last EDR Contact: 05/09/2022 |
| Number of Days to Update: 86 | Next Scheduled EDR Contact: 08/22/2022 |
| | Data Release Frequency: Quarterly |

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

| | |
|---|---|
| Date of Government Version: 02/23/2022 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/10/2022 | Telephone: 202-566-2777 |
| Date Made Active in Reports: 03/10/2022 | Last EDR Contact: 03/15/2022 |
| Number of Days to Update: 0 | Next Scheduled EDR Contact: 06/27/2022 |
| | Data Release Frequency: Semi-Annually |

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Solid Waste Recycling Facilities

A listing of recycling center locations.

| | |
|---|---|
| Date of Government Version: 05/18/2021 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 05/18/2021 | Telephone: 573-526-3944 |
| Date Made Active in Reports: 08/04/2021 | Last EDR Contact: 05/23/2022 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 09/05/2022 |
| | Data Release Frequency: Varies |

HIST LF: Solid Waste Facility Database List

This database contains detailed information per site. It is no longer maintained by the Department of Natural Resources. For current information on solid waste facilities/landfills see the SWF/LF database.

| | |
|---|---|
| Date of Government Version: 04/12/2005 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 07/19/2006 | Telephone: 573-751-5401 |
| Date Made Active in Reports: 08/18/2006 | Last EDR Contact: 01/12/2009 |
| Number of Days to Update: 30 | Next Scheduled EDR Contact: 04/13/2009 |
| | Data Release Frequency: No Update Planned |

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

| | |
|---|---|
| Date of Government Version: 12/31/1998 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/03/2007 | Telephone: 703-308-8245 |
| Date Made Active in Reports: 01/24/2008 | Last EDR Contact: 04/21/2022 |
| Number of Days to Update: 52 | Next Scheduled EDR Contact: 08/08/2022 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

CDL: Environmental Emergency Response System

Incidents reported to the Department of Natural Resources where drug lab materials were involved.

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/07/2021
Date Made Active in Reports: 09/01/2021
Number of Days to Update: 86

Source: Department of Natural Resources
Telephone: 573-751-3443
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

DEL SHWS: Registry Sites Withdrawn or Deleted

A list of sites that were removed from the Registry or for which Registry action was suspended due to cleanup.

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/23/2020
Date Made Active in Reports: 12/15/2020
Number of Days to Update: 83

Source: Department of Natural Resources
Telephone: 573-522-3710
Last EDR Contact: 03/07/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Annually

PFAS: PFAS Detections

PFAS detection list

Date of Government Version: 04/05/2021
Date Data Arrived at EDR: 05/25/2021
Date Made Active in Reports: 08/16/2021
Number of Days to Update: 83

Source: Department of Natural Resources
Telephone: 517-751-9857
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/15/2021
Date Data Arrived at EDR: 12/16/2021
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 84

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

SPILLS: Environmental Response Tracking Database

Releases of hazardous substances reported to the department's Environmental Emergency Response (EER) section.

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/07/2021
Date Made Active in Reports: 09/01/2021
Number of Days to Update: 86

Source: Department of Natural Resources
Telephone: 573-526-3349
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

| | |
|---|---|
| Date of Government Version: 02/28/2022 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/02/2022 | Telephone: 913-551-7003 |
| Date Made Active in Reports: 03/17/2022 | Last EDR Contact: 04/06/2022 |
| Number of Days to Update: 15 | Next Scheduled EDR Contact: 07/04/2022 |
| | Data Release Frequency: Quarterly |

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

| | |
|---|--|
| Date of Government Version: 04/02/2018 | Source: U.S. Geological Survey |
| Date Data Arrived at EDR: 04/11/2018 | Telephone: 888-275-8747 |
| Date Made Active in Reports: 11/06/2019 | Last EDR Contact: 04/05/2022 |
| Number of Days to Update: 574 | Next Scheduled EDR Contact: 07/18/2022 |
| | Data Release Frequency: N/A |

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

| | |
|---|---|
| Date of Government Version: 12/13/2021 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/17/2021 | Telephone: 202-566-1917 |
| Date Made Active in Reports: 03/17/2022 | Last EDR Contact: 03/21/2022 |
| Number of Days to Update: 90 | Next Scheduled EDR Contact: 07/04/2022 |
| | Data Release Frequency: Quarterly |

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

| | |
|---|---|
| Date of Government Version: 08/30/2013 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/21/2014 | Telephone: 617-520-3000 |
| Date Made Active in Reports: 06/17/2014 | Last EDR Contact: 04/28/2022 |
| Number of Days to Update: 88 | Next Scheduled EDR Contact: 08/15/2022 |
| | Data Release Frequency: Quarterly |

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

| | |
|---|---|
| Date of Government Version: 09/30/2017 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 05/08/2018 | Telephone: 703-308-4044 |
| Date Made Active in Reports: 07/20/2018 | Last EDR Contact: 05/06/2022 |
| Number of Days to Update: 73 | Next Scheduled EDR Contact: 08/15/2022 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

| | |
|---|--|
| Date of Government Version: 12/31/2016 | Source: EPA |
| Date Data Arrived at EDR: 06/17/2020 | Telephone: 202-260-5521 |
| Date Made Active in Reports: 09/10/2020 | Last EDR Contact: 03/18/2022 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 06/27/2022 |
| | Data Release Frequency: Every 4 Years |

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

| | |
|---|--|
| Date of Government Version: 12/31/2018 | Source: EPA |
| Date Data Arrived at EDR: 08/14/2020 | Telephone: 202-566-0250 |
| Date Made Active in Reports: 11/04/2020 | Last EDR Contact: 05/20/2022 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 08/29/2022 |
| | Data Release Frequency: Annually |

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

| | |
|---|--|
| Date of Government Version: 01/25/2022 | Source: EPA |
| Date Data Arrived at EDR: 02/03/2022 | Telephone: 703-416-0223 |
| Date Made Active in Reports: 02/22/2022 | Last EDR Contact: 05/05/2022 |
| Number of Days to Update: 19 | Next Scheduled EDR Contact: 06/13/2022 |
| | Data Release Frequency: Annually |

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

| | |
|---|---|
| Date of Government Version: 04/27/2022 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 05/04/2022 | Telephone: 202-564-8600 |
| Date Made Active in Reports: 05/10/2022 | Last EDR Contact: 04/18/2022 |
| Number of Days to Update: 6 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

| | |
|---|--|
| Date of Government Version: 01/25/2022 | Source: EPA |
| Date Data Arrived at EDR: 02/03/2022 | Telephone: 202-564-6023 |
| Date Made Active in Reports: 02/25/2022 | Last EDR Contact: 05/05/2022 |
| Number of Days to Update: 22 | Next Scheduled EDR Contact: 08/15/2022 |
| | Data Release Frequency: Quarterly |

PADS: PCB Activity Database System

PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| | |
|---|--|
| Date of Government Version: 01/20/2022 | Source: EPA |
| Date Data Arrived at EDR: 01/20/2022 | Telephone: 202-566-0500 |
| Date Made Active in Reports: 03/25/2022 | Last EDR Contact: 04/08/2022 |
| Number of Days to Update: 64 | Next Scheduled EDR Contact: 07/18/2022 |
| | Data Release Frequency: Annually |

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

| | |
|---|--|
| Date of Government Version: 12/31/2020 | Source: Department of Energy |
| Date Data Arrived at EDR: 11/30/2021 | Telephone: 202-586-8719 |
| Date Made Active in Reports: 02/22/2022 | Last EDR Contact: 02/28/2022 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 06/13/2022 |
| | Data Release Frequency: Varies |

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

| | |
|---|---|
| Date of Government Version: 01/12/2017 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/05/2019 | Telephone: N/A |
| Date Made Active in Reports: 11/11/2019 | Last EDR Contact: 02/28/2022 |
| Number of Days to Update: 251 | Next Scheduled EDR Contact: 06/13/2022 |
| | Data Release Frequency: Varies |

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

| | |
|---|---|
| Date of Government Version: 09/13/2019 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/06/2019 | Telephone: 202-566-0517 |
| Date Made Active in Reports: 02/10/2020 | Last EDR Contact: 05/06/2022 |
| Number of Days to Update: 96 | Next Scheduled EDR Contact: 08/15/2022 |
| | Data Release Frequency: Varies |

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

| | |
|---|---|
| Date of Government Version: 12/31/2021 | Source: Department of Justice, Consent Decree Library |
| Date Data Arrived at EDR: 01/14/2022 | Telephone: Varies |
| Date Made Active in Reports: 03/25/2022 | Last EDR Contact: 04/04/2022 |
| Number of Days to Update: 70 | Next Scheduled EDR Contact: 07/18/2022 |
| | Data Release Frequency: Varies |

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

| | |
|---|--|
| Date of Government Version: 12/31/2019 | Source: EPA/NTIS |
| Date Data Arrived at EDR: 03/02/2022 | Telephone: 800-424-9346 |
| Date Made Active in Reports: 03/25/2022 | Last EDR Contact: 03/02/2022 |
| Number of Days to Update: 23 | Next Scheduled EDR Contact: 07/04/2022 |
| | Data Release Frequency: Biennially |

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

| | |
|---|--|
| Date of Government Version: 07/26/2021 | Source: Department of Energy |
| Date Data Arrived at EDR: 07/27/2021 | Telephone: 202-586-3559 |
| Date Made Active in Reports: 10/22/2021 | Last EDR Contact: 04/28/2022 |
| Number of Days to Update: 87 | Next Scheduled EDR Contact: 08/15/2022 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

| | |
|---|---|
| Date of Government Version: 01/25/2022 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 02/03/2022 | Telephone: 703-603-8787 |
| Date Made Active in Reports: 02/22/2022 | Last EDR Contact: 05/05/2022 |
| Number of Days to Update: 19 | Next Scheduled EDR Contact: 07/11/2022 |
| | Data Release Frequency: Varies |

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

| | |
|---|---|
| Date of Government Version: 04/05/2001 | Source: American Journal of Public Health |
| Date Data Arrived at EDR: 10/27/2010 | Telephone: 703-305-6451 |
| Date Made Active in Reports: 12/02/2010 | Last EDR Contact: 12/02/2009 |
| Number of Days to Update: 36 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: No Update Planned |

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

| | |
|---|--|
| Date of Government Version: 10/12/2016 | Source: EPA |
| Date Data Arrived at EDR: 10/26/2016 | Telephone: 202-564-2496 |
| Date Made Active in Reports: 02/03/2017 | Last EDR Contact: 09/26/2017 |
| Number of Days to Update: 100 | Next Scheduled EDR Contact: 01/08/2018 |
| | Data Release Frequency: Annually |

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

| | |
|---|--|
| Date of Government Version: 10/12/2016 | Source: EPA |
| Date Data Arrived at EDR: 10/26/2016 | Telephone: 202-564-2496 |
| Date Made Active in Reports: 02/03/2017 | Last EDR Contact: 09/26/2017 |
| Number of Days to Update: 100 | Next Scheduled EDR Contact: 01/08/2018 |
| | Data Release Frequency: Annually |

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

| | |
|---|--|
| Date of Government Version: 12/14/2021 | Source: Department of Interior |
| Date Data Arrived at EDR: 12/15/2021 | Telephone: 202-208-2609 |
| Date Made Active in Reports: 03/10/2022 | Last EDR Contact: 03/04/2022 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 06/20/2022 |
| | Data Release Frequency: Quarterly |

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 95

Source: EPA
Telephone: (913) 551-7003
Last EDR Contact: 05/18/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/12/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/17/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 82

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Quarterly

AIRS: Permit Facility Listing

A listing of Air Pollution Control Program permits.

Date of Government Version: 11/01/2021
Date Data Arrived at EDR: 11/29/2021
Date Made Active in Reports: 02/24/2022
Number of Days to Update: 87

Source: Department of Natural Resources
Telephone: 573-751-4817
Last EDR Contact: 05/02/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing

The department requires notification of demolitions and abatement projects involving regulated structures at least 10 working days before crews begin a project.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 01/05/2022
Date Made Active in Reports: 03/22/2022
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: 573-751-4817
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH: Coal Ash Disposal Sites

A listing of power plants with coal ash ponds.

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 02/01/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: 573-526-1825
Last EDR Contact: 03/23/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: No Update Planned

DRYCLEANERS: Drycleaners in Missouri Listing

A listing of drycleaner facilities that are potentially eligible for reimbursement of department approved cleanup costs under the Drycleaning Environmental Response Trust Fund.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/13/2017
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 36

Source: Department of Natural Resources
Telephone: 573-526-8913
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 01/11/2022
Date Data Arrived at EDR: 01/13/2022
Date Made Active in Reports: 03/23/2022
Number of Days to Update: 69

Source: Department of Natural Resources
Telephone: 573-751-3553
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Annually

Financial Assurance 2: Financial Assurance Information Listing

Financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 82

Source: Department of Natural Resources
Telephone: 573-751-5401
Last EDR Contact: 03/03/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

MINES: Industrial Mineral Mines Database

This data set contains names, locations and additional data for active Industrial Mineral Mines permitted with the Missouri Department of Natural Resources, Division of Environmental Quality, Land Reclamation Program. Industrial Mineral Mines permitted are rock quarries, clay pits, sand and gravel pits, or in-stream sand and gravel operations.

Date of Government Version: 04/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 10/07/2021
Number of Days to Update: 85

Source: Department of Natural Resources
Telephone: 573-751-4041
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

NPDES: Permitted Facility Listing

A listing of permitted facilities from the Water Pollution Branch.

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/09/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 80

Source: Department of Natural Resources
Telephone: 573-751-7023
Last EDR Contact: 03/23/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RRC: Certified Hazardous Waste Resource Recovery Facilities

Facilities that take hazardous waste material, either from on-site or off-site, and make it re-usable.

| | |
|---|---|
| Date of Government Version: 09/30/2020 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 10/06/2020 | Telephone: 573-751-3176 |
| Date Made Active in Reports: 12/28/2020 | Last EDR Contact: 03/07/2022 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 06/20/2022 |
| | Data Release Frequency: Annually |

SMARS: Site Management and Reporting System

SMARS currently houses information for Superfund, Federal Facility, Brownfields Voluntary Cleanup Program and Missouri's other state response programs.

| | |
|---|---|
| Date of Government Version: 01/03/2022 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 01/26/2022 | Telephone: 573-751-3043 |
| Date Made Active in Reports: 04/20/2022 | Last EDR Contact: 04/27/2022 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 08/08/2022 |
| | Data Release Frequency: Quarterly |

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

| | |
|---|---|
| Date of Government Version: 01/11/2022 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 02/15/2022 | Telephone: 573-368-2183 |
| Date Made Active in Reports: 05/12/2022 | Last EDR Contact: 05/20/2022 |
| Number of Days to Update: 86 | Next Scheduled EDR Contact: 08/29/2022 |
| | Data Release Frequency: Semi-Annually |

PCS ENF: Enforcement data

No description is available for this data

| | |
|---|--|
| Date of Government Version: 12/31/2014 | Source: EPA |
| Date Data Arrived at EDR: 02/05/2015 | Telephone: 202-564-2497 |
| Date Made Active in Reports: 03/06/2015 | Last EDR Contact: 03/31/2022 |
| Number of Days to Update: 29 | Next Scheduled EDR Contact: 07/18/2022 |
| | Data Release Frequency: Varies |

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

| | |
|---|--|
| Date of Government Version: 11/05/2014 | Source: EPA |
| Date Data Arrived at EDR: 01/06/2015 | Telephone: 202-564-2496 |
| Date Made Active in Reports: 05/06/2015 | Last EDR Contact: 03/31/2022 |
| Number of Days to Update: 120 | Next Scheduled EDR Contact: 07/18/2022 |
| | Data Release Frequency: Semi-Annually |

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

| | |
|---|--|
| Date of Government Version: 07/14/2011 | Source: EPA, Office of Water |
| Date Data Arrived at EDR: 08/05/2011 | Telephone: 202-564-2496 |
| Date Made Active in Reports: 09/29/2011 | Last EDR Contact: 03/31/2022 |
| Number of Days to Update: 55 | Next Scheduled EDR Contact: 07/18/2022 |
| | Data Release Frequency: Semi-Annually |

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/03/2021
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/06/2022
Number of Days to Update: 84

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/09/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/16/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Child Care Facilities

Source: Department of Health & Senior Services

Telephone: 573-751-2450

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: National Wetland Inventory of Missouri

Source: Department of Natural Resources

Telephone: 573-751-5110

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MISSOURI S & T BUILDINGS
1001 COLLEGIATE BOULEVARD
ROLLA, MO 65401

TARGET PROPERTY COORDINATES

| | |
|-------------------------------|----------------------------|
| Latitude (North): | 37.957923 - 37° 57' 28.52" |
| Longitude (West): | 91.779882 - 91° 46' 47.58" |
| Universal Tranverse Mercator: | Zone 15 |
| UTM X (Meters): | 607188.9 |
| UTM Y (Meters): | 4201643.0 |
| Elevation: | 1183 ft. above sea level |

USGS TOPOGRAPHIC MAP

| | |
|----------------------|--------------------|
| Target Property Map: | 10333036 ROLLA, MO |
| Version Date: | 2017 |

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

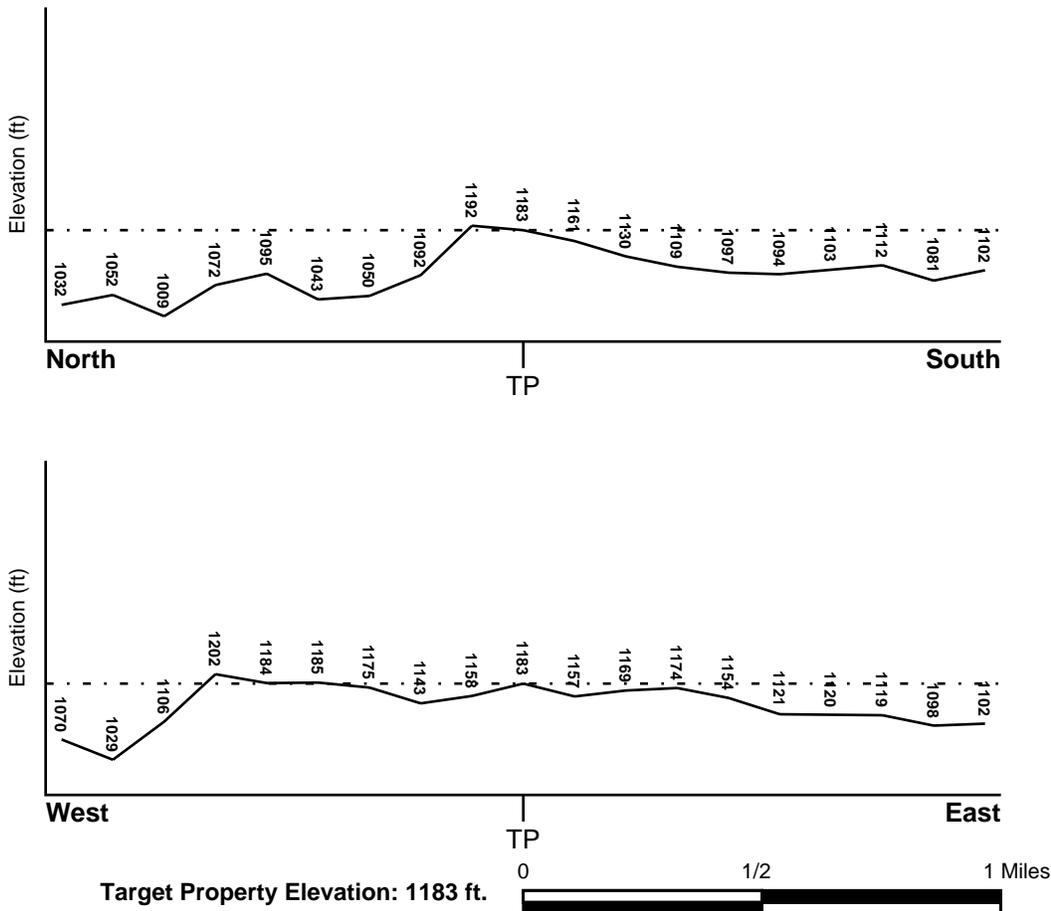
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

| <u>Flood Plain Panel at Target Property</u> | <u>FEMA Source Type</u> |
|---|-------------------------|
| 29161C0234D | FEMA FIRM Flood data |
| <u>Additional Panels in search area:</u> | <u>FEMA Source Type</u> |
| 29161C0250D | FEMA FIRM Flood data |
| 29161C0232D | FEMA FIRM Flood data |
| 29161C0233D | FEMA FIRM Flood data |

NATIONAL WETLAND INVENTORY

| <u>NWI Quad at Target Property</u> | <u>NWI Electronic Data Coverage</u> |
|------------------------------------|--|
| ROLLA | YES - refer to the Overview Map and Detail Map |

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

| <u>MAP ID</u> | <u>LOCATION FROM TP</u> | <u>GENERAL DIRECTION GROUNDWATER FLOW</u> |
|---------------|-------------------------|---|
| Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

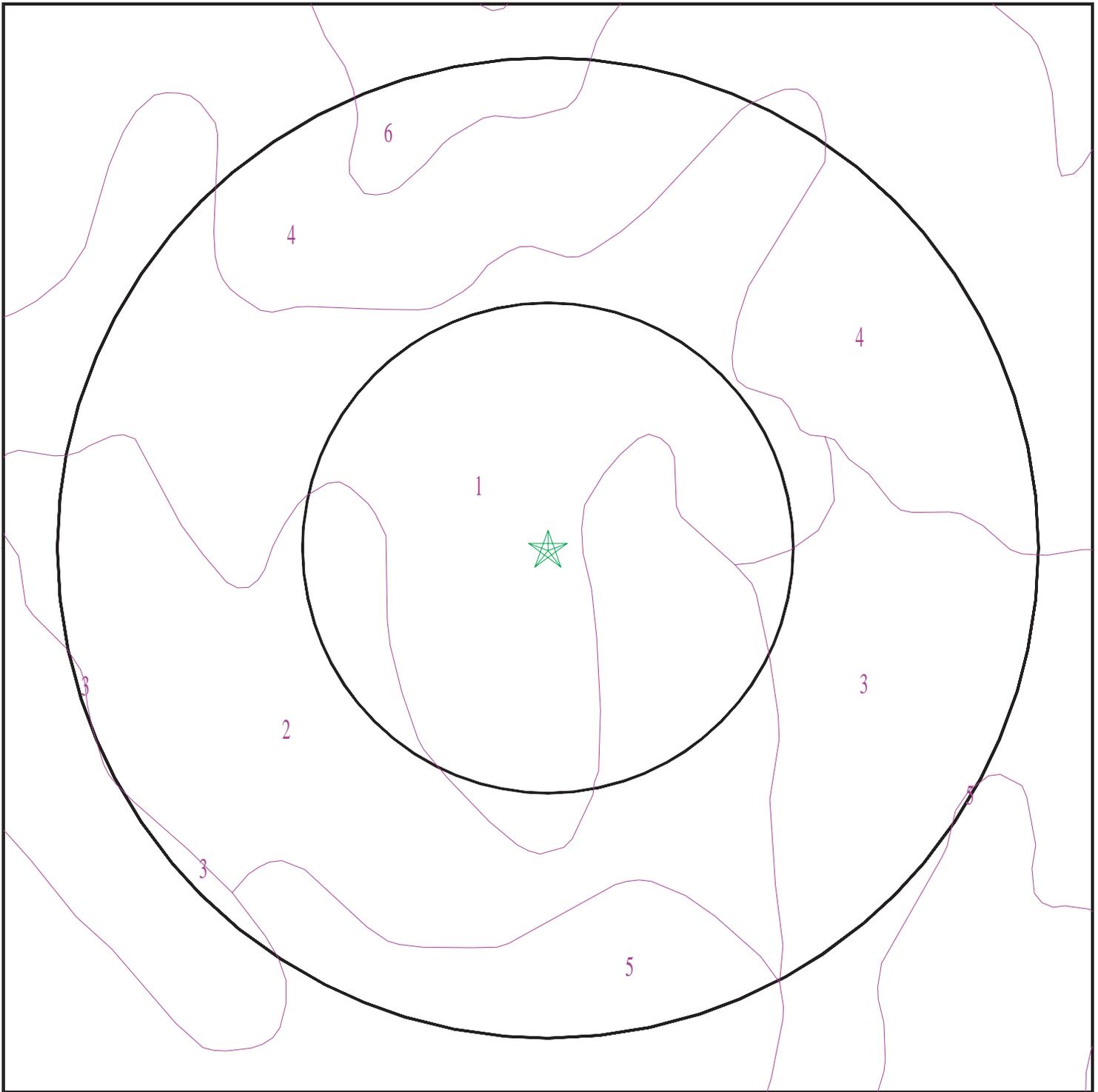
Era: Paleozoic
System: Ordovician
Series: Lower Ordovician (Canadian)
Code: O1b (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 06993336.2r



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Missouri S & T Buildings
ADDRESS: 1001 Collegiate Boulevard
Rolla MO 65401
LAT/LONG: 37.957923 / 91.779882

CLIENT: Environmental Operations, Inc.
CONTACT: Alexandria Algieri
INQUIRY #: 06993336.2r
DATE: May 24, 2022 4:38 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Useful

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 71 inches

Depth to Watertable Min: > 69 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|----------------|--------------|--|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | silt loam | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 2 | 7 inches | 31 inches | silty clay | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 3 | 31 inches | 44 inches | silty clay | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 4 | 44 inches | 53 inches | silty clay | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 5 | 53 inches | 59 inches | bedrock | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |

Soil Map ID: 2

Soil Component Name: Viraton

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 48 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|------------------------------|----------------|--------------|--|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 3 inches | silt loam | Not reported | Not reported | Max: 0.42 Min: 0.14 | Max: 5.5 Min: 3.5 |
| 2 | 3 inches | 7 inches | silt loam | Not reported | Not reported | Max: 0.42 Min: 0.14 | Max: 5.5 Min: 3.5 |
| 3 | 7 inches | 22 inches | gravelly silty clay loam | Not reported | Not reported | Max: 0.42 Min: 0.14 | Max: 5.5 Min: 3.5 |
| 4 | 48 inches | 59 inches | clay | Not reported | Not reported | Max: 0.42 Min: 0.14 | Max: 5.5 Min: 3.5 |
| 5 | 22 inches | 48 inches | extremely gravelly silt loam | Not reported | Not reported | Max: 0.42 Min: 0.14 | Max: 5.5 Min: 3.5 |

Soil Map ID: 3

Soil Component Name: Union

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 48 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|------------------------------|----------------|---|---|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 9 inches | silt loam | Not reported | FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay. | Max: 4 Min: 1.4 | Max: 6.5 Min: 4.5 |
| 2 | 9 inches | 29 inches | silty clay loam | Not reported | FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay. | Max: 4 Min: 1.4 | Max: 6.5 Min: 4.5 |
| 3 | 29 inches | 53 inches | extremely gravelly silt loam | Not reported | FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay. | Max: 4 Min: 1.4 | Max: 6.5 Min: 4.5 |
| 4 | 53 inches | 79 inches | clay | Not reported | FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay. | Max: 4 Min: 1.4 | Max: 6.5 Min: 4.5 |

Soil Map ID: 4

Soil Component Name: Beemont

Soil Surface Texture: gravelly silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 71 inches

Depth to Watertable Min: > 69 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|----------------|--------------|--|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 3 inches | gravelly silt loam | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 2 | 3 inches | 11 inches | gravelly silt loam | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 3 | 11 inches | 59 inches | clay | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 4 | 59 inches | 79 inches | bedrock | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |

Soil Map ID: 5

Soil Component Name: Hartville

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

| Soil Layer Information | | | | | | | |
|------------------------|----------|-----------|--------------------|--|---|--|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.4 Min: 0.42 | Max: 8.4 Min: 5.6 |
| 2 | 7 inches | 11 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.4 Min: 0.42 | Max: 8.4 Min: 5.6 |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|--|--|--|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 3 | 11 inches | 48 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils. | Max: 1.4 Min: 0.42 | Max: 8.4 Min: 5.6 |
| 4 | 48 inches | 79 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils. | Max: 1.4 Min: 0.42 | Max: 8.4 Min: 5.6 |

Soil Map ID: 6

Soil Component Name: Gatewood

Soil Surface Texture: very gravelly silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 71 inches

Depth to Watertable Min: > 69 inches

| Soil Layer Information | | | | | | | |
|------------------------|----------|----------|-------------------------|---|--------------|--|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 1 inches | very gravelly silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | Not reported | Max: 0.11 Min: 0 | Max: Min: |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|-------------------------|---|--------------|---|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 2 | 1 inches | 9 inches | very gravelly silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 3 | 9 inches | 27 inches | clay | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 4 | 27 inches | 59 inches | bedrock | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | Not reported | Max: 0.11 Min: 0 | Max: Min: |

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

| <u>DATABASE</u> | <u>SEARCH DISTANCE (miles)</u> |
|------------------|--------------------------------|
| Federal USGS | 1.000 |
| Federal FRDS PWS | Nearest PWS within 1 mile |
| State Database | 1.000 |

FEDERAL USGS WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> | <u>LOCATION FROM TP</u> |
|---------------|-----------------|-------------------------|
| A1 | USGS40000691573 | 1/8 - 1/4 Mile WNW |
| B4 | USGS40000691591 | 1/4 - 1/2 Mile NW |
| G20 | USGS40000691548 | 1/2 - 1 Mile SW |
| F23 | USGS40000691613 | 1/2 - 1 Mile North |
| K42 | USGS40000691534 | 1/2 - 1 Mile SSE |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|--------|-----------------|---------------------|
| K43 | USGS40000691539 | 1/2 - 1 Mile SSE |
| L46 | USGS40000691527 | 1/2 - 1 Mile South |
| M54 | USGS40000691568 | 1/2 - 1 Mile East |

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|--------|-----------|---------------------|
| F18 | MO3048127 | 1/2 - 1 Mile North |

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

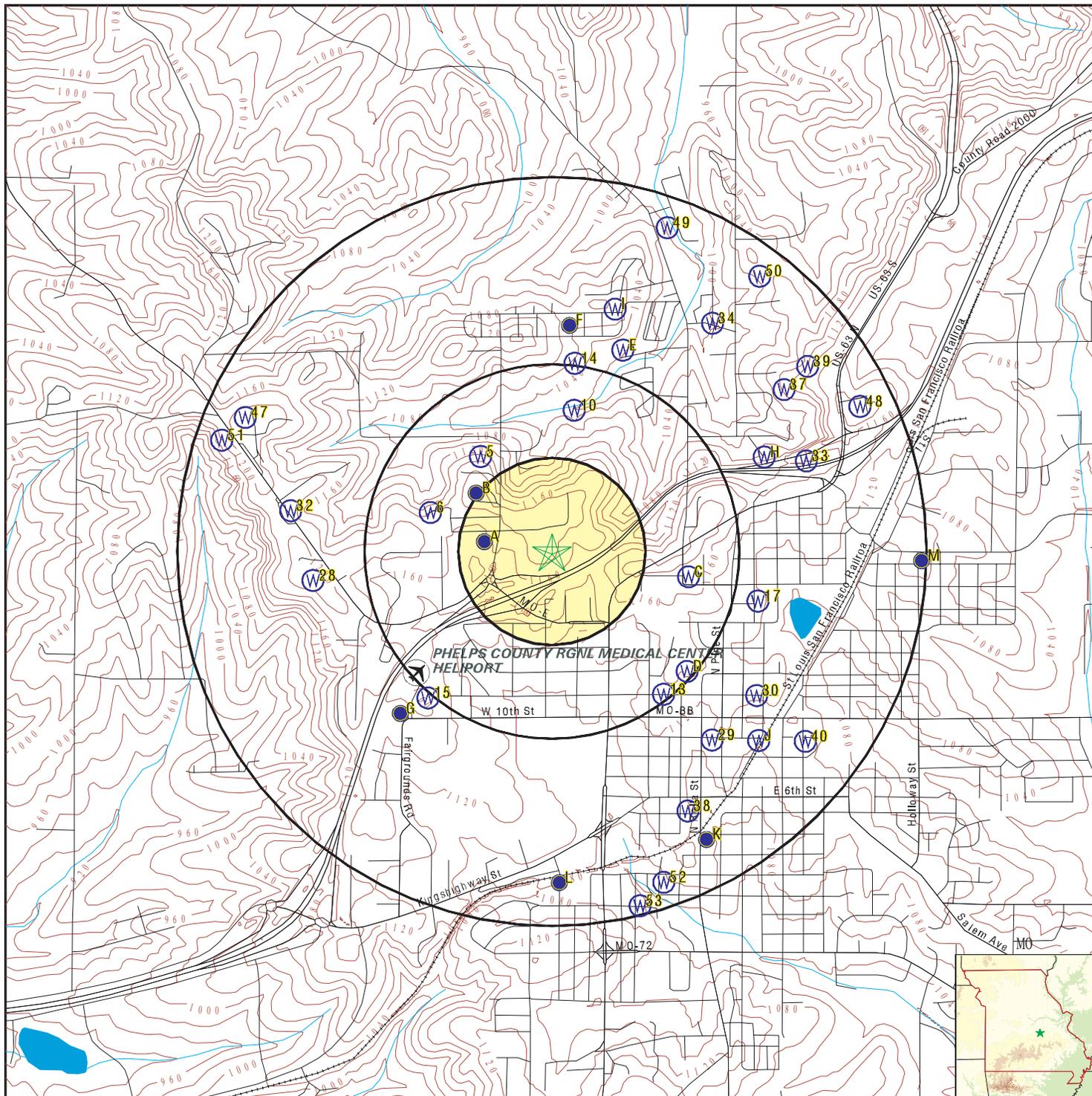
| MAP ID | WELL ID | LOCATION FROM TP |
|--------|-----------------|----------------------|
| A2 | MOLOG1000011316 | 1/8 - 1/4 Mile West |
| B3 | MOLOG1000011336 | 1/8 - 1/4 Mile WNW |
| 5 | MOLOG1000011349 | 1/4 - 1/2 Mile NW |
| 6 | MOLOG1000011334 | 1/4 - 1/2 Mile WNW |
| C7 | MOLOG1000011302 | 1/4 - 1/2 Mile East |
| C8 | MOLOG1000011303 | 1/4 - 1/2 Mile East |
| C9 | MOLOG1000011304 | 1/4 - 1/2 Mile East |
| 10 | MOLOG1000011371 | 1/4 - 1/2 Mile North |
| D11 | MOLOG1000011229 | 1/4 - 1/2 Mile SE |
| D12 | MOLOG1000011230 | 1/4 - 1/2 Mile SE |
| 13 | MOLOG1000011217 | 1/4 - 1/2 Mile SE |
| 14 | MOLOG1000011407 | 1/2 - 1 Mile North |
| 15 | MOLOG1000011213 | 1/2 - 1 Mile SW |
| E16 | MOLOG1000011406 | 1/2 - 1 Mile NNE |
| 17 | MOLOG1000011280 | 1/2 - 1 Mile ESE |
| G19 | MO7000000004635 | 1/2 - 1 Mile SW |
| E21 | MO7000000003136 | 1/2 - 1 Mile NNE |
| H22 | MOLOG1000011348 | 1/2 - 1 Mile ENE |
| F24 | MO7000000000080 | 1/2 - 1 Mile North |
| F25 | MOLOG1000011424 | 1/2 - 1 Mile North |
| H26 | MO7000000004630 | 1/2 - 1 Mile ENE |
| I27 | MOLOG1000011423 | 1/2 - 1 Mile NNE |
| 28 | MOLOG1000011300 | 1/2 - 1 Mile West |
| 29 | MOLOG1000011192 | 1/2 - 1 Mile SE |
| 30 | MOLOG1000011215 | 1/2 - 1 Mile SE |
| I31 | MO7000000004629 | 1/2 - 1 Mile NNE |
| 32 | MOLOG1000011335 | 1/2 - 1 Mile West |
| 33 | MOLOG1000011347 | 1/2 - 1 Mile ENE |
| 34 | MOLOG1000011422 | 1/2 - 1 Mile NE |
| J35 | MOLOG1000011190 | 1/2 - 1 Mile SE |
| J36 | MOLOG1000011191 | 1/2 - 1 Mile SE |
| 37 | MOLOG1000011383 | 1/2 - 1 Mile NE |
| 38 | MOLOG1000011141 | 1/2 - 1 Mile SSE |
| 39 | MOLOG1000011403 | 1/2 - 1 Mile NE |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> | <u>LOCATION FROM TP</u> |
|---------------|-----------------|-----------------------------|
| 40 | MOLOG1000011189 | 1/2 - 1 Mile SE |
| K41 | MO7000000004637 | 1/2 - 1 Mile SSE |
| L44 | MOLOG1000011108 | 1/2 - 1 Mile South |
| L45 | MO7000000004639 | 1/2 - 1 Mile South |
| 47 | MOLOG1000011369 | 1/2 - 1 Mile WNW |
| 48 | MOLOG1000011375 | 1/2 - 1 Mile ENE |
| 49 | MOLOG1000011480 | 1/2 - 1 Mile NNE |
| 50 | MOLOG1000011446 | 1/2 - 1 Mile NE |
| 51 | MOLOG1000011362 | 1/2 - 1 Mile WNW |
| 52 | MOLOG1000011106 | 1/2 - 1 Mile SSE |
| 53 | MOLOG1000011097 | 1/2 - 1 Mile SSE |
| M55 | MO7000000004632 | 1/2 - 1 Mile East |

PHYSICAL SETTING SOURCE MAP - 06993336.2r



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Oil, gas or related wells

SITE NAME: Missouri S & T Buildings
 ADDRESS: 1001 Collegiate Boulevard
 Rolla MO 65401
 LAT/LONG: 37.957923 / 91.779882

CLIENT: Environmental Operations, Inc.
 CONTACT: Alexandria Algieri
 INQUIRY #: 06993336.2r
 DATE: May 24, 2022 4:38 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
WNW
1/8 - 1/4 Mile
Lower

FED USGS USGS40000691573

| | | | |
|------------------------|-------------------------------|-----------------------------|------------------------------------|
| Organization ID: | USGS-MO | Organization Name: | USGS Missouri Water Science Center |
| Monitor Location: | UMR WELL AT ROLLA, MO | Type: | Well |
| Description: | Not Reported | HUC: | 07140102 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Ozark Plateaus aquifer system | Aquifer Type: | Not Reported |
| Formation Type: | Not Reported | Well Depth: | Not Reported |
| Construction Date: | Not Reported | Well Hole Depth: | Not Reported |
| Well Depth Units: | Not Reported | | |
| Well Hole Depth Units: | Not Reported | | |

A2
West
1/8 - 1/4 Mile
Lower

MO WELLS MOLOG1000011316

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 021585 |
| Elevation: | 1159 | Static Water Level: | 0 |

B3
WNW
1/8 - 1/4 Mile
Higher

MO WELLS MOLOG1000011336

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 021491 |
| Elevation: | 1177 | Static Water Level: | 0 |

B4
NW
1/4 - 1/2 Mile
Higher

FED USGS USGS40000691591

| | | | |
|------------------------|---|-----------------------------|------------------------------------|
| Organization ID: | USGS-MO | Organization Name: | USGS Missouri Water Science Center |
| Monitor Location: | T37N R08W 02BCC1 | Type: | Well |
| Description: | Not Reported | HUC: | 10290203 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Ozark Plateaus aquifer system | | |
| Formation Type: | Gunter Sandstone Member of Gasconade Dolomite | Construction Date: | 19630101 |
| Aquifer Type: | Confined multiple aquifer | Well Depth Units: | ft |
| Well Depth: | 695 | Well Hole Depth Units: | ft |
| Well Hole Depth: | 695 | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1963-01-01 |
| Feet below surface: | 370 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

| | | | |
|-----------------------|--|-----------------|------------------------|
| 5 | | | |
| NW | | MO WELLS | MOLOG1000011349 |
| 1/4 - 1/2 Mile | | | |
| Lower | | | |

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 014799 |
| Elevation: | 1177 | Static Water Level: | 0 |

| | | | |
|-----------------------|--|-----------------|------------------------|
| 6 | | | |
| WNW | | MO WELLS | MOLOG1000011334 |
| 1/4 - 1/2 Mile | | | |
| Lower | | | |

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 023827 |
| Elevation: | 1173 | Static Water Level: | 0 |

| | | | |
|-----------------------|--|-----------------|------------------------|
| C7 | | | |
| East | | MO WELLS | MOLOG1000011302 |
| 1/4 - 1/2 Mile | | | |
| Lower | | | |

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 003566 |
| Elevation: | 1158 | Static Water Level: | 0 |

| | | | |
|-----------------------|--|-----------------|------------------------|
| C8 | | | |
| East | | MO WELLS | MOLOG1000011303 |
| 1/4 - 1/2 Mile | | | |
| Lower | | | |

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 003643 |
| Elevation: | 1158 | Static Water Level: | 0 |

| | | | |
|-----------------------|--|-----------------|------------------------|
| C9 | | | |
| East | | MO WELLS | MOLOG1000011304 |
| 1/4 - 1/2 Mile | | | |
| Lower | | | |

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 004030 |
| Elevation: | 1158 | Static Water Level: | 0 |

| | | | |
|-----------------------|--|-----------------|------------------------|
| 10 | | | |
| North | | MO WELLS | MOLOG1000011371 |
| 1/4 - 1/2 Mile | | | |
| Lower | | | |

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 010639 |
| Elevation: | 1184 | Static Water Level: | 0 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D11
SE
1/4 - 1/2 Mile
Lower

MO WELLS MOLOG1000011229

Database: Geologic Well Log Database ID: 003409
Elevation: 1143 Static Water Level: 0

D12
SE
1/4 - 1/2 Mile
Lower

MO WELLS MOLOG1000011230

Database: Geologic Well Log Database ID: 001617
Elevation: 1130 Static Water Level: 0

13
SE
1/4 - 1/2 Mile
Lower

MO WELLS MOLOG1000011217

Database: Geologic Well Log Database ID: 009358
Elevation: 1125 Static Water Level: 235

14
North
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011407

Database: Geologic Well Log Database ID: 003539
Elevation: 1020 Static Water Level: 0

15
SW
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011213

Database: Geologic Well Log Database ID: 011737
Elevation: 1155 Static Water Level: 0

E16
NNE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011406

Database: Geologic Well Log Database ID: 023499
Elevation: 1023 Static Water Level: 225

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

17
ESE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011280

Database: Geologic Well Log Database ID: 012201
Elevation: 1108 Static Water Level: 0

F18
North
1/2 - 1 Mile
Lower

FRDS PWS MO3048127

Epa region: 07 State: MO
Pwsid: MO3048127 Pwsname: WOODCREST MHP
Cityserved: Not Reported Stateserved: MO
Zipserved: Not Reported Fipscounty: 29161
Status: Active Retpopsrvd: 195
Pwssvconn: 78 Psource longname: Groundwater
Pwstype: CWS Owner: Private
Contact: CABLE, JOHN W Contactorgname: CABLE, JOHN W
Contactphone: 573-364-1864
Contactaddress1: 17855 ELK PRAIRIE ROAD- TRIANGLE ENV SER
Contactaddress2: PO BOX 1026 Contactcity: ROLLA
Contactstate: MO Contactzip: 65402-0000
Pwsactivitycode: A

PWS ID: MO3048127 PWS name: WOODCREST MHP
Address: 512 WEST ROCKCREEK DR Care of: Not Reported
City: COLUMBIA State: MO
Zip: 65201 Owner: WOODCREST MHP
Source code: Ground water Population: 300

PWS ID: MO3048127 PWS type: Not Reported
PWS name: Not Reported PWS address: Not Reported
PWS city: Not Reported PWS state: Not Reported
PWS zip: Not Reported PWS name: WOODCREST MHP
PWS type code: C Retail population served: 300
Contact: BLAIR, CHRIS Contact address: 702 N PINE
Contact address: ROLLA Contact city: MO
Contact state: 65 Contact zip: 573-364-71
Contact telephone: Not Reported

PWS ID: MO3048127 Activity status: Active
Date system activated: 6801 Date system deactivated: Not Reported
Retail population: 00000250 System name: WOODCREST MHP
System address: Not Reported System address: 512 WEST ROCKCREEK DR
System city: COLUMBIA System state: MO
System zip: 65201

County FIPS: Not Reported City served: WOODCREST MHP

Population served: 101 - 500 Persons Treatment: Untreated

Latitude: 385706 Longitude: 0922002

Latitude: 375759 Longitude: 0914644

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---------------------|--------------|---------------------|--------------------|
| State: | MO | Latitude degrees: | 37 |
| Latitude minutes: | 57 | Latitude seconds: | 59.0000 |
| Longitude degrees: | 91 | Longitude minutes: | 46 |
| Longitude seconds: | 44.0000 | | |
| Violation id: | 200 | Orig code: | S |
| State: | MO | Violation Year: | 2000 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 05/01/2000 |
| Cmp edt: | 05/31/2000 | | |
| Violation id: | 500 | Orig code: | S |
| State: | MO | Violation Year: | 2000 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 06/01/2000 |
| Cmp edt: | 06/30/2000 | | |
| Violation id: | 600 | Orig code: | S |
| State: | MO | Violation Year: | 2000 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 21 | Violation name: | MCL, Acute (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 06/01/2000 |
| Cmp edt: | 06/30/2000 | | |
| Violation id: | 7202704 | Orig code: | S |
| State: | MO | Violation Year: | 2004 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 01/01/2004 |
| Cmp edt: | 01/31/2004 | | |
| Violation id: | 7202905 | Orig code: | S |
| State: | MO | Violation Year: | 2005 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 01/01/2005 |
| Cmp edt: | 01/31/2005 | | |
| Violation id: | 7203005 | Orig code: | S |
| State: | MO | Violation Year: | 2005 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 02/01/2005 |
| Cmp edt: | 02/28/2005 | | |
| Violation id: | 7203105 | Orig code: | S |
| State: | MO | Violation Year: | 2005 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---------------------|--------------|---------------------|---------------------------------|
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 03/01/2005 |
| Cmp edt: | 03/31/2005 | | |
| | | | |
| Violation id: | 7203609 | Orig code: | S |
| State: | MO | Violation Year: | 2009 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 23 | Violation name: | Monitoring, Routine Major (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 03/01/2009 |
| Cmp edt: | 03/31/2009 | | |
| | | | |
| Violation id: | 7203610 | Orig code: | S |
| State: | MO | Violation Year: | 2009 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 11/01/2009 |
| Cmp edt: | 11/30/2009 | | |
| | | | |
| Violation id: | 7203613 | Orig code: | S |
| State: | MO | Violation Year: | 2009 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 24 | Violation name: | Monitoring, Routine Minor (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 12/01/2009 |
| Cmp edt: | 12/31/2009 | | |
| | | | |
| Violation id: | 7203615 | Orig code: | S |
| State: | MO | Violation Year: | 2010 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 23 | Violation name: | Monitoring, Routine Major (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 04/01/2010 |
| Cmp edt: | 04/30/2010 | | |
| | | | |
| Violation id: | 7203616 | Orig code: | S |
| State: | MO | Violation Year: | 2010 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 23 | Violation name: | Monitoring, Routine Major (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2010 |
| Cmp edt: | 07/31/2010 | | |
| | | | |
| Violation id: | 7203619 | Orig code: | S |
| State: | MO | Violation Year: | 2010 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 23 | Violation name: | Monitoring, Routine Major (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 11/01/2010 |
| Cmp edt: | 11/30/2010 | | |
| | | | |
| Violation id: | 7203621 | Orig code: | S |
| State: | MO | Violation Year: | 2012 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---------------------|--------------|---------------------|----------------------------------|
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 06/01/2012 |
| Cmp edt: | 06/30/2012 | | |
| | | | |
| Violation id: | 7203622 | Orig code: | S |
| State: | MO | Violation Year: | 2012 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 05/01/2012 |
| Cmp edt: | 05/31/2012 | | |
| | | | |
| Violation id: | 7203624 | Orig code: | S |
| State: | MO | Violation Year: | 2012 |
| Contamination code: | 7500 | Contamination Name: | Public Notice |
| Violation code: | 75 | Violation name: | PN Violation for NPDWR Violation |
| Rule code: | 410 | Rule name: | PN rule |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/26/2012 |
| Cmp edt: | Not Reported | | |
| | | | |
| Violation id: | 7203626 | Orig code: | S |
| State: | MO | Violation Year: | 2013 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 23 | Violation name: | Monitoring, Routine Major (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 03/01/2013 |
| Cmp edt: | 03/31/2013 | | |
| | | | |
| Violation id: | 7203627 | Orig code: | S |
| State: | MO | Violation Year: | 2013 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 05/01/2013 |
| Cmp edt: | 05/31/2013 | | |
| | | | |
| Violation id: | 7203629 | Orig code: | S |
| State: | MO | Violation Year: | 2013 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 06/01/2013 |
| Cmp edt: | 06/30/2013 | | |
| | | | |
| Violation id: | 7203633 | Orig code: | S |
| State: | MO | Violation Year: | 2013 |
| Contamination code: | 7500 | Contamination Name: | Public Notice |
| Violation code: | 75 | Violation name: | PN Violation for NPDWR Violation |
| Rule code: | 410 | Rule name: | PN rule |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/11/2013 |
| Cmp edt: | Not Reported | | |
| | | | |
| Violation id: | 7203634 | Orig code: | S |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---------------------|--------------|---------------------|--------------------------------|
| State: | MO | Violation Year: | 2013 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2013 |
| Cmp edt: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|-----------------------|
| Violation ID: | 9406121 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | 1,1,1-TRICHLOROETHANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|----------------------|
| Violation ID: | 9406122 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | 1,1-DICHLOROETHYLENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|--------------------|
| Violation ID: | 9406123 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | 1,2-DICHLOROETHANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|---------------------|
| Violation ID: | 9406124 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | 1,2-DICHLOROPROPANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|--------------|
| Violation ID: | 9406125 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | BENZENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406126
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: CARBON TETRACHLORIDE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406127
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: CIS-1,2-DICHLOROETHYLENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406128
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: MONOCHLOROBENZENE (CHLOROBENZENE)
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406129
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: ETHYLBENZENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406130
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: O-DICHLOROBENZENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406131
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported

Violation source ID: Not Reported
Contaminant: P-DICHLOROBENZENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------------------|--------------|-----------------------------|--------------|
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|--------------|
| Violation ID: | 9406132 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | STYRENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|---------------------|
| Violation ID: | 9406133 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | TETRACHLOROETHYLENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|--------------|
| Violation ID: | 9406134 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | TOLUENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|----------------------------|
| Violation ID: | 9406135 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | TRANS-1,2-DICHLOROETHYLENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|-------------------|
| Violation ID: | 9406136 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | TRICHLOROETHYLENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|---------------|---------|----------------------|--------------|
| Violation ID: | 9406137 | Violation source ID: | Not Reported |
|---------------|---------|----------------------|--------------|

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------------------|---------------------|-----------------------------|----------------|
| PWS telephone: | Not Reported | Contaminant: | VINYL CHLORIDE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|----------------|
| Violation ID: | 9406138 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | XYLENES, TOTAL |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|---------------------------|
| Violation ID: | 9406139 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | 1,1,1,2-TETRACHLOROETHANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|---------------------------|
| Violation ID: | 9406140 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | 1,1,2,2-TETRACHLOROETHANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|-----------------------|
| Violation ID: | 9406141 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | 1,1,2-TRICHLOROETHANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|--------------------|
| Violation ID: | 9406142 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | 1,1-DICHLOROETHANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406143
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: 1,1-DICHLOROPROPENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406144
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: 1,2,3-TRICHLOROPROPANE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406145
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: 1,2,4-TRICHLOROBENZENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406146
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: 1,3-DICHLOROPROPANE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406147
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: 2,2-DICHLOROPROPANE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406148
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported

Violation source ID: Not Reported
Contaminant: BROMOBENZENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------------------|--------------|-----------------------------|--------------|
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|----------------------|
| Violation ID: | 9406149 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | BROMODICHLOROMETHANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|--------------|
| Violation ID: | 9406150 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | BROMOFORM |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|--------------|
| Violation ID: | 9406151 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | BROMOMETHANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|--------------|
| Violation ID: | 9406152 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | CHLOROETHANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|-----------------------------|--------------|----------------------------|---------------------|
| Violation ID: | 9406153 | PWS telephone: | Not Reported |
| Violation source ID: | Not Reported | Violation type: | Monitoring, Regular |
| Contaminant: | CHLOROFORM | Violation end date: | 123193 |
| Violation start date: | 010193 | Violation awareness date: | Not Reported |
| Violation period (months): | 012 | Maximum contaminant level: | Not Reported |
| Major violator: | Yes | Number of samples taken: | 000 |
| Number of required samples: | Not Reported | Analysis result: | Not Reported |
| Analysis method: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|---------------|---------|----------------------|--------------|
| Violation ID: | 9406154 | Violation source ID: | Not Reported |
|---------------|---------|----------------------|--------------|

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------------------|---------------------|-----------------------------|---------------------------------|
| PWS telephone: | Not Reported | Contaminant: | METHYLCHLORIDE (CHLOROEMETHANE) |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|-------------------------|
| Violation ID: | 9406155 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | CIS-1,3-DICHLOROPROPENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|---|
| Violation ID: | 9406156 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | DIBROMOCHLOROMETHANE (CHLORODIBROMOMETHANE) |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|----------------|
| Violation ID: | 9406157 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | DIBROMOMETHANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|--------------------------------------|
| Violation ID: | 9406158 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | METHYLENE CHLORIDE (DICHLOROMETHANE) |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|-------------------|
| Violation ID: | 9406159 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | M-DICHLOROBENZENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|--------------------------|--------------|------------------|--------------|
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|-----------------|
| Violation ID: | 9406160 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | O-CHLOROTOLUENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|-----------------|
| Violation ID: | 9406161 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | P-CHLOROTOLUENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|---------------------------|
| Violation ID: | 9406162 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | TRANS-1,3-DICHLOROPROPENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

| | | | |
|---------------------|--------------------------|-----------------------|------------|
| Violation ID: | 200 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 06/19/2000 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |

| | | | |
|---------------------|------------------------|-----------------------|------------|
| Violation ID: | 200 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 01/22/2014 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |

| | | | |
|---------------------|---------------------------|-----------------------|------------|
| Violation ID: | 200 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 05/30/2000 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |

| | | | |
|---------------------|----------------------|-----------------------|------------|
| Violation ID: | 200 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 05/30/2000 |
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Informal |

| | | | |
|---------------------|---------------------------|-----------------------|------------|
| Violation ID: | 500 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 06/20/2000 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |

| | | | |
|---------------------|----------------------|-----------------------|------------|
| Violation ID: | 500 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 06/20/2000 |
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Informal |

| | | | |
|----------------|------|---------------------|------------|
| Violation ID: | 500 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 01/22/2014 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---------------------|------------------------------|-----------------------|------------|
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 600 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 06/20/2000 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 600 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 01/22/2014 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 600 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 07/20/2000 |
| Enforcement Detail: | St Boil Water Order | Enforcement Category: | Informal |
| Violation ID: | 600 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 06/20/2000 |
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Informal |
| Violation ID: | 600 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 07/26/2000 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7202704 | Orig Code: | S |
| Enforcemnt FY: | 2004 | Enforcement Action: | 02/11/2004 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7202704 | Orig Code: | S |
| Enforcemnt FY: | 2004 | Enforcement Action: | 03/22/2004 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7202704 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 01/22/2014 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7202704 | Orig Code: | S |
| Enforcemnt FY: | 2004 | Enforcement Action: | 02/11/2004 |
| Enforcement Detail: | St Violation/Reminder Notice | Enforcement Category: | Informal |
| Violation ID: | 7202905 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 02/04/2005 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7202905 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 04/27/2005 |
| Enforcement Detail: | St BCA signed | Enforcement Category: | Formal |
| Violation ID: | 7202905 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 03/08/2005 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7202905 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 07/12/2006 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7202905 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 02/04/2005 |
| Enforcement Detail: | St Violation/Reminder Notice | Enforcement Category: | Informal |
| Violation ID: | 7203005 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 04/27/2005 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-----------------------|------------------------------|-----------------------|------------|
| Enforcement Detail: | St BCA signed | Enforcement Category: | Formal |
| Violation ID: | 7203005 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 07/12/2006 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203005 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 05/03/2005 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203005 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 03/29/2005 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203005 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 03/29/2005 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203105 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 07/12/2006 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203105 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 04/08/2005 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203105 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 04/27/2005 |
| Enforcement Detail: | St BCA signed | Enforcement Category: | Formal |
| Violation ID: | 7203105 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 04/08/2005 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203105 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 05/03/2005 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203609 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 06/08/2010 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203609 | Orig Code: | S |
| Enforcemnt FY: | 2009 | Enforcement Action: | 04/24/2009 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203609 | Orig Code: | S |
| Enforcemnt FY: | 2009 | Enforcement Action: | 04/24/2009 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203610 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 05/04/2011 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203610 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 12/03/2009 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203610 | Orig Code: | S |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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|-----------------------|------------------------------|-----------------------|------------|
| Enforcemnt FY: | 2010 | Enforcement Action: | 12/17/2009 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203610 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 12/03/2009 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203613 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 05/04/2011 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203613 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 01/28/2010 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203613 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 01/28/2010 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203613 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 02/26/2010 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203615 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 05/04/2011 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203615 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 01/19/2011 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203615 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 05/24/2010 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203615 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 05/24/2010 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203615 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 06/07/2010 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203616 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 01/19/2011 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203616 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 05/04/2011 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203616 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 06/24/2011 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203616 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 08/27/2010 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-----------------------|------------------------------|-----------------------|------------|
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203616 | Orig Code: | S |
| Enforcement FY: | 2010 | Enforcement Action: | 08/27/2010 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203619 | Orig Code: | S |
| Enforcement FY: | 2011 | Enforcement Action: | 05/04/2011 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203619 | Orig Code: | S |
| Enforcement FY: | 2011 | Enforcement Action: | 12/20/2010 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203619 | Orig Code: | S |
| Enforcement FY: | 2011 | Enforcement Action: | 12/20/2010 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203619 | Orig Code: | S |
| Enforcement FY: | 2011 | Enforcement Action: | 01/19/2011 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203619 | Orig Code: | S |
| Enforcement FY: | 2011 | Enforcement Action: | 01/11/2011 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203621 | Orig Code: | S |
| Enforcement FY: | 2013 | Enforcement Action: | 12/31/2012 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203621 | Orig Code: | S |
| Enforcement FY: | 2012 | Enforcement Action: | 06/20/2012 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203621 | Orig Code: | S |
| Enforcement FY: | 2012 | Enforcement Action: | 06/15/2012 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203621 | Orig Code: | S |
| Enforcement FY: | 2012 | Enforcement Action: | 07/11/2012 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203621 | Orig Code: | S |
| Enforcement FY: | 2012 | Enforcement Action: | 06/15/2012 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203622 | Orig Code: | S |
| Enforcement FY: | 2012 | Enforcement Action: | 06/15/2012 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203622 | Orig Code: | S |
| Enforcement FY: | 2012 | Enforcement Action: | 06/15/2012 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203622 | Orig Code: | S |
| Enforcement FY: | 2013 | Enforcement Action: | 12/31/2012 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-----------------------|------------------------------|-----------------------|------------|
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203622 | Orig Code: | S |
| Enforcemnt FY: | 2012 | Enforcement Action: | 07/11/2012 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203622 | Orig Code: | S |
| Enforcemnt FY: | 2012 | Enforcement Action: | 06/20/2012 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203624 | Orig Code: | S |
| Enforcemnt FY: | 2012 | Enforcement Action: | 07/01/2012 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203626 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 04/18/2013 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203626 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 05/06/2013 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203626 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 04/18/2013 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203626 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 11/20/2013 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203627 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 05/31/2013 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203627 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 11/20/2013 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203627 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 05/31/2013 |
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Informal |
| Violation ID: | 7203629 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 06/11/2013 |
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Informal |
| Violation ID: | 7203629 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 11/20/2013 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203629 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 06/27/2013 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203629 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 06/11/2013 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 200 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|--------------------------------------|----------------------|------------------------------------|
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 5/1/2000 0:00:00 | Compliance end date: | 5/31/2000 0:00:00 |
| Enforcement date: | 5/30/2000 0:00:00 | Enforcement action: | State Formal NOV Issued |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 200 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 5/1/2000 0:00:00 | Compliance end date: | 5/31/2000 0:00:00 |
| Enforcement date: | 5/30/2000 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 200 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 5/1/2000 0:00:00 | Compliance end date: | 5/31/2000 0:00:00 |
| Enforcement date: | 6/19/2000 0:00:00 | Enforcement action: | State Public Notif Received |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 500 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 6/1/2000 0:00:00 | Compliance end date: | 6/30/2000 0:00:00 |
| Enforcement date: | 6/20/2000 0:00:00 | Enforcement action: | State Formal NOV Issued |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 500 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 6/1/2000 0:00:00 | Compliance end date: | 6/30/2000 0:00:00 |
| Enforcement date: | 6/20/2000 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 600 |
| Contaminant: | COLIFORM (TCR) | Violation type: | Max Contaminant Level, Acute (TCR) |
| Compliance start date: | 6/1/2000 0:00:00 | Compliance end date: | 6/30/2000 0:00:00 |
| Enforcement date: | 6/20/2000 0:00:00 | Enforcement action: | State Formal NOV Issued |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 600 |
| Contaminant: | COLIFORM (TCR) | Violation type: | Max Contaminant Level, Acute (TCR) |
| Compliance start date: | 6/1/2000 0:00:00 | Compliance end date: | 6/30/2000 0:00:00 |
| Enforcement date: | 6/20/2000 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 600 |
| Contaminant: | COLIFORM (TCR) | Violation type: | Max Contaminant Level, Acute (TCR) |
| Compliance start date: | 6/1/2000 0:00:00 | Compliance end date: | 6/30/2000 0:00:00 |
| Enforcement date: | 7/20/2000 0:00:00 | Enforcement action: | State Boil Water Order |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 600 |
| Contaminant: | COLIFORM (TCR) | Violation type: | Max Contaminant Level, Acute (TCR) |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|--------------------------------------|----------------------|---------------------------------|
| Compliance start date: | 6/1/2000 0:00:00 | Compliance end date: | 6/30/2000 0:00:00 |
| Enforcement date: | 7/26/2000 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7202704 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 1/1/2004 0:00:00 | Compliance end date: | 1/31/2004 0:00:00 |
| Enforcement date: | 2/11/2004 0:00:00 | Enforcement action: | State Violation/Reminder Notice |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7202704 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 1/1/2004 0:00:00 | Compliance end date: | 1/31/2004 0:00:00 |
| Enforcement date: | 2/11/2004 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7202704 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 1/1/2004 0:00:00 | Compliance end date: | 1/31/2004 0:00:00 |
| Enforcement date: | 3/22/2004 0:00:00 | Enforcement action: | State Public Notif Received |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7202905 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 1/1/2005 0:00:00 | Compliance end date: | 1/31/2005 0:00:00 |
| Enforcement date: | 2/4/2005 0:00:00 | Enforcement action: | State Violation/Reminder Notice |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7202905 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 1/1/2005 0:00:00 | Compliance end date: | 1/31/2005 0:00:00 |
| Enforcement date: | 2/4/2005 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7202905 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 1/1/2005 0:00:00 | Compliance end date: | 1/31/2005 0:00:00 |
| Enforcement date: | 3/8/2005 0:00:00 | Enforcement action: | State Public Notif Received |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7202905 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 1/1/2005 0:00:00 | Compliance end date: | 1/31/2005 0:00:00 |
| Enforcement date: | 4/27/2005 0:00:00 | Enforcement action: | State BCA Signed |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7202905 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|--------------------------------------|----------------------|---------------------------------|
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 1/1/2005 0:00:00 | Compliance end date: | 1/31/2005 0:00:00 |
| Enforcement date: | 7/12/2006 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203005 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 2/1/2005 0:00:00 | Compliance end date: | 2/28/2005 0:00:00 |
| Enforcement date: | 3/29/2005 0:00:00 | Enforcement action: | State Violation/Reminder Notice |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203005 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 2/1/2005 0:00:00 | Compliance end date: | 2/28/2005 0:00:00 |
| Enforcement date: | 3/29/2005 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203005 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 2/1/2005 0:00:00 | Compliance end date: | 2/28/2005 0:00:00 |
| Enforcement date: | 4/27/2005 0:00:00 | Enforcement action: | State BCA Signed |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203005 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 2/1/2005 0:00:00 | Compliance end date: | 2/28/2005 0:00:00 |
| Enforcement date: | 5/3/2005 0:00:00 | Enforcement action: | State Public Notif Received |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203005 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 2/1/2005 0:00:00 | Compliance end date: | 2/28/2005 0:00:00 |
| Enforcement date: | 7/12/2006 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203105 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 3/1/2005 0:00:00 | Compliance end date: | 3/31/2005 0:00:00 |
| Enforcement date: | 4/27/2005 0:00:00 | Enforcement action: | State BCA Signed |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203105 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 3/1/2005 0:00:00 | Compliance end date: | 3/31/2005 0:00:00 |
| Enforcement date: | 4/8/2005 0:00:00 | Enforcement action: | State Violation/Reminder Notice |
| Violation measurement: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|--------------------------------------|----------------------|------------------------------|
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203105 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 3/1/2005 0:00:00 | Compliance end date: | 3/31/2005 0:00:00 |
| Enforcement date: | 4/8/2005 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203105 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 3/1/2005 0:00:00 | Compliance end date: | 3/31/2005 0:00:00 |
| Enforcement date: | 5/3/2005 0:00:00 | Enforcement action: | State Public Notif Received |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203105 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 3/1/2005 0:00:00 | Compliance end date: | 3/31/2005 0:00:00 |
| Enforcement date: | 7/12/2006 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |

G19
SW
1/2 - 1 Mile
Lower

MO WELLS MO700000004635

| | | | |
|----------------------------------|--------------------------------------|------------------------------|-----------------------|
| Database: | Missouri Public Drinking Water Wells | | |
| DGLS ID: | 104470 | LOGMAIN ID: | 0011737 |
| Well Certification #: | Not Reported | PWSS Name: | Rolla |
| PWSS ID: | 3010700 | IPWS ID: | MO3010700 |
| Well #: | 6 | Local Name: | W. 10th & Fairgrounds |
| Well ID: | 14285 | Facility Type: | City |
| Federal Water System Type: | Community | Status: | Active |
| Drill Date: | 1951 | Abandoned: | 0 |
| Plugged: | 0 | Material Type: | Consolidated |
| Formation at Casing Depth: | Gasconade | Formation at Total Depth: | Elvins |
| Total Depth: | 1215 | Ground Elevation: | 1150 |
| Top Seal Type: | Pressure Grout | Bottom Seal Type: | Pressure Grout |
| Casing Depth: | 378 | Casing Diameter: | 12 |
| Casing Type: | Steel | Casing Elevation: | 1152 |
| Casing Height: | 0 | Outer Well Casing Depth: | 21 |
| Outer Casing Diameter: | 20 | Screen Length (ft): | -9999 |
| Screen Size (in): | -9999 | Depth to Static Water Level: | 240 |
| Max Yield (gal/min): | 539 | Dynamic Head of Pump: | 85 |
| Drawdown: | 200 | Year of Pump Test: | 1991 |
| Pump Type: | Vertical Turbine | | |
| Pump Manufacturer: | Layne | Pump Depth: | 580 |
| Pump Capacity: | 536 | Has Pump Meter: | Y |
| Has Stand-by Power: | N | VOC detections: | N |
| Nitrates Detected: | N | Chlorination Used: | Y |
| Filtration Used: | N | GWUDISW: | N |
| Meets Construction Requirements: | Y | Surface Drainage: | Satisfactory |
| Water System Entry Point ID: | Y | SWIP Wellhead Status: | Verified |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

G20
SW
1/2 - 1 Mile
Lower

FED USGS USGS40000691548

| | | | |
|------------------------|-------------------------------|-----------------------------|------------------------------------|
| Organization ID: | USGS-MO | Organization Name: | USGS Missouri Water Science Center |
| Monitor Location: | T37N R08W 03DDD1 | Type: | Well |
| Description: | Not Reported | HUC: | 07140102 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Ozark Plateaus aquifer system | Aquifer Type: | Not Reported |
| Formation Type: | Potosi Dolomite | Well Depth: | 1215 |
| Construction Date: | 19511101 | Well Hole Depth: | 1215 |
| Well Depth Units: | ft | | |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1951-11-01 |
| Feet below surface: | 315 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

E21
NNE
1/2 - 1 Mile
Lower

MO WELLS MO7000000003136

| | | | |
|----------------------------|--------------------------------------|----------------------------------|------------------|
| Database: | Missouri Public Drinking Water Wells | | |
| DGLS ID: | 102251 | LOGMAIN ID: | 0018310 |
| Well Certification #: | Not Reported | PWSS Name: | Villa MHP |
| PWSS ID: | 3048131 | IPWS ID: | MO3048131 |
| Well #: | 1 | Local Name: | Well #1 |
| Well ID: | 11952 | Facility Type: | Mobile Home Park |
| Federal Water System Type: | Non-Public | Status: | Inactive |
| Drill Date: | 1959 | Abandoned: | 0 |
| Plugged: | 0 | Material Type: | Consolidated |
| Formation at Casing Depth: | Jefferson City | Formation at Total Depth: | Gasconade |
| Total Depth: | 345 | Ground Elevation: | 0 |
| Top Seal Type: | Not Reported | Bottom Seal Type: | Not Reported |
| Casing Depth: | 46 | Casing Diameter: | 6 |
| Casing Type: | Steel | Casing Elevation: | 0 |
| Casing Height: | 0 | Outer Well Casing Depth: | 0 |
| Outer Casing Diameter: | 0 | Screen Length (ft): | -9999 |
| Screen Size (in): | -9999 | Depth to Static Water Level: | 185 |
| Max Yield (gal/min): | 30 | Dynamic Head of Pump: | 0 |
| Drawdown: | 0 | Year of Pump Test: | 0 |
| Pump Type: | Submersible | Pump Manufacturer: | Not Reported |
| Pump Depth: | 0 | Pump Capacity: | 0 |
| Has Pump Meter: | Not Reported | Has Stand-by Power: | Not Reported |
| VOC detections: | N | Nitrates Detected: | N |
| Chlorination Used: | Not Reported | Filtration Used: | Not Reported |
| GWUDISW: | Not Reported | Meets Construction Requirements: | Not Reported |
| Surface Drainage: | Not Reported | Water System Entry Point ID: | Not Reported |
| SWIP Wellhead Status: | Not Found | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

H22
ENE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011348

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 024981 |
| Elevation: | 1080 | Static Water Level: | 0 |

F23
North
1/2 - 1 Mile
Lower

FED USGS USGS40000691613

| | | | |
|------------------------|-------------------------------|-----------------------------|------------------------------------|
| Organization ID: | USGS-MO | Organization Name: | USGS Missouri Water Science Center |
| Monitor Location: | T38N R08W 35CDD1 | Type: | Well |
| Description: | Not Reported | HUC: | 10290203 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Ozark Plateaus aquifer system | Aquifer Type: | Not Reported |
| Formation Type: | Eminence Dolomite | Well Depth: | 750 |
| Construction Date: | 19680601 | Well Hole Depth: | 750 |
| Well Depth Units: | ft | | |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 2 | Level reading date: | 1974-06-01 |
| Feet below surface: | 269 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|---------------------|--------------|---------------------|--------------|
| Level reading date: | 1968-06-01 | Feet below surface: | 269 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

F24
North
1/2 - 1 Mile
Lower

MO WELLS MO700000000080

| | | | |
|----------------------------|--------------------------------------|------------------------------|------------------|
| Database: | Missouri Public Drinking Water Wells | LOGMAIN ID: | 0025659 |
| DGLS ID: | 104464 | PWSS Name: | Woodcrest MHP |
| Well Certification #: | Not Reported | IPWS ID: | MO3048127 |
| PWSS ID: | 3048127 | Local Name: | Well #1 |
| Well #: | 1 | Facility Type: | Mobile Home Park |
| Well ID: | 14334 | Status: | Active |
| Federal Water System Type: | Community | Abandoned: | 0 |
| Drill Date: | 1968 | Material Type: | Consolidated |
| Plugged: | 0 | Formation at Total Depth: | Eminence |
| Formation at Casing Depth: | Gasconade | Ground Elevation: | 1070 |
| Total Depth: | 750 | Bottom Seal Type: | Cement Grout |
| Top Seal Type: | Cement Grout | Casing Diameter: | 8 |
| Casing Depth: | 400 | Casing Elevation: | 0 |
| Casing Type: | Steel | Outer Well Casing Depth: | 0 |
| Casing Height: | 0 | Screen Length (ft): | -9999 |
| Outer Casing Diameter: | 0 | Depth to Static Water Level: | 269 |
| Screen Size (in): | -9999 | Dynamic Head of Pump: | 0 |
| Max Yield (gal/min): | 150 | Year of Pump Test: | 0 |
| Drawdown: | 11 | | |
| Pump Type: | Vertical Turbine | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------------------------|---------|-----------------------|--------------|
| Pump Manufacturer: | Jacuzzi | Pump Depth: | 400 |
| Pump Capacity: | 120 | Has Pump Meter: | Y |
| Has Stand-by Power: | N | VOC detections: | N |
| Nitrates Detected: | N | Chlorination Used: | N |
| Filtration Used: | N | GWUDISW: | N |
| Meets Construction Requirements: | Y | Surface Drainage: | Satisfactory |
| Water System Entry Point ID: | Y | SWIP Wellhead Status: | Verified |

F25
North
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011424

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 025659 |
| Elevation: | 1069 | Static Water Level: | 0 |

H26
ENE
1/2 - 1 Mile
Lower

MO WELLS MO7000000004630

| | | | |
|----------------------------------|--------------------------------------|------------------------------|----------------|
| Database: | Missouri Public Drinking Water Wells | | |
| DGLS ID: | 104465 | LOGMAIN ID: | 0024981 |
| Well Certification #: | Not Reported | PWSS Name: | Rolla |
| PWSS ID: | 3010700 | IPWS ID: | MO3010700 |
| Well #: | 10 | Local Name: | I-44 |
| Well ID: | 14329 | Facility Type: | City |
| Federal Water System Type: | Community | Status: | Active |
| Drill Date: | 1967 | Abandoned: | 0 |
| Plugged: | 0 | Material Type: | Consolidated |
| Formation at Casing Depth: | Gasconade | Formation at Total Depth: | Elvins |
| Total Depth: | 1140 | Ground Elevation: | 1076 |
| Top Seal Type: | Pressure Grout | Bottom Seal Type: | Pressure Grout |
| Casing Depth: | 323 | Casing Diameter: | 12 |
| Casing Type: | Steel | Casing Elevation: | 1073 |
| Casing Height: | 0 | Outer Well Casing Depth: | 8 |
| Outer Casing Diameter: | 20 | Screen Length (ft): | -9999 |
| Screen Size (in): | -9999 | Depth to Static Water Level: | 135 |
| Max Yield (gal/min): | 572 | Dynamic Head of Pump: | 95 |
| Drawdown: | 85 | Year of Pump Test: | 1989 |
| Pump Type: | Vertical Turbine | | |
| Pump Manufacturer: | Layne | Pump Depth: | 500 |
| Pump Capacity: | 550 | Has Pump Meter: | Y |
| Has Stand-by Power: | N | VOC detections: | N |
| Nitrates Detected: | N | Chlorination Used: | Y |
| Filtration Used: | N | GWUDISW: | N |
| Meets Construction Requirements: | Y | Surface Drainage: | Satisfactory |
| Water System Entry Point ID: | Y | SWIP Wellhead Status: | Verified |

I27
NNE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011423

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 018310 |
| Elevation: | 1034 | Static Water Level: | 185 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

28
West
1/2 - 1 Mile
Higher **MO WELLS** **MOLOG1000011300**

Database: Geologic Well Log Database ID: 007122
Elevation: 1206 Static Water Level: 0

29
SE
1/2 - 1 Mile
Lower **MO WELLS** **MOLOG1000011192**

Database: Geologic Well Log Database ID: 010741
Elevation: 0 Static Water Level: 0

30
SE
1/2 - 1 Mile
Lower **MO WELLS** **MOLOG1000011215**

Database: Geologic Well Log Database ID: 007769
Elevation: 1124 Static Water Level: 0

I31
NNE
1/2 - 1 Mile
Lower **MO WELLS** **MO7000000004629**

| | | | |
|----------------------------|--------------------------------------|----------------------------------|------------------|
| Database: | Missouri Public Drinking Water Wells | | |
| DGLS ID: | 104463 | LOGMAIN ID: | Not Reported |
| Well Certification #: | Not Reported | PWSS Name: | Scenic View MHP |
| PWSS ID: | 3048132 | IPWS ID: | MO3048132 |
| Well #: | 1 | Local Name: | Well #1 |
| Well ID: | 14390 | Facility Type: | Mobile Home Park |
| Federal Water System Type: | Community | Status: | Inactive |
| Drill Date: | 1967 | Abandoned: | 0 |
| Plugged: | 0 | Material Type: | Consolidated |
| Formation at Casing Depth: | Jefferson City | Formation at Total Depth: | Gasconade |
| Total Depth: | 437 | Ground Elevation: | 0 |
| Top Seal Type: | Split Ring | Bottom Seal Type: | Not Reported |
| Casing Depth: | 28 | Casing Diameter: | 6 |
| Casing Type: | Steel | Casing Elevation: | 0 |
| Casing Height: | 0 | Outer Well Casing Depth: | 0 |
| Outer Casing Diameter: | 0 | Screen Length (ft): | -9999 |
| Screen Size (in): | -9999 | Depth to Static Water Level: | 0 |
| Max Yield (gal/min): | 20 | Dynamic Head of Pump: | 0 |
| Drawdown: | 0 | Year of Pump Test: | 0 |
| Pump Type: | Submersible | Pump Manufacturer: | Not Reported |
| Pump Depth: | 0 | Pump Capacity: | 0 |
| Has Pump Meter: | N | Has Stand-by Power: | N |
| VOC detections: | N | Nitrates Detected: | N |
| Chlorination Used: | N | Filtration Used: | N |
| GWUDISW: | Not Reported | Meets Construction Requirements: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Surface Drainage: Satisfactory Water System Entry Point ID: Y
 SWIP Wellhead Status: Verified

32
West
1/2 - 1 Mile
Higher **MO WELLS** **MOLOG1000011335**

Database: Geologic Well Log Database ID: 010580
 Elevation: 1191 Static Water Level: 225

33
ENE
1/2 - 1 Mile
Lower **MO WELLS** **MOLOG1000011347**

Database: Geologic Well Log Database ID: 002652
 Elevation: 1138 Static Water Level: 0

34
NE
1/2 - 1 Mile
Lower **MO WELLS** **MOLOG1000011422**

Database: Geologic Well Log Database ID: 024997
 Elevation: 1027 Static Water Level: 0

J35
SE
1/2 - 1 Mile
Lower **MO WELLS** **MOLOG1000011190**

Database: Geologic Well Log Database ID: 011315
 Elevation: 1105 Static Water Level: 0

J36
SE
1/2 - 1 Mile
Lower **MO WELLS** **MOLOG1000011191**

Database: Geologic Well Log Database ID: 014397
 Elevation: 1105 Static Water Level: 0

37
NE
1/2 - 1 Mile
Lower **MO WELLS** **MOLOG1000011383**

Database: Geologic Well Log Database ID: 005756
 Elevation: 1046 Static Water Level: 28

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

38
SSE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011141

Database: Geologic Well Log Database ID: 003225
Elevation: 1084 Static Water Level: 0

39
NE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011403

Database: Geologic Well Log Database ID: 006007
Elevation: 1044 Static Water Level: 90

40
SE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011189

Database: Geologic Well Log Database ID: 002263
Elevation: 1099 Static Water Level: 0

K41
SSE
1/2 - 1 Mile
Lower

MO WELLS MO7000000004637

| | | | |
|----------------------------|--------------------------------------|----------------------------------|----------------|
| Database: | Missouri Public Drinking Water Wells | | |
| DGLS ID: | 104472 | LOGMAIN ID: | 0003225 |
| Well Certification #: | Not Reported | PWSS Name: | Rolla |
| PWSS ID: | 3010700 | IPWS ID: | MO3010700 |
| Well #: | 2 | Local Name: | 4th Street |
| Well ID: | 14273 | Facility Type: | City |
| Federal Water System Type: | Community | Status: | Active |
| Drill Date: | 1934 | Abandoned: | 0 |
| Plugged: | 0 | Material Type: | Consolidated |
| Formation at Casing Depth: | Gasconade | Formation at Total Depth: | Lamotte |
| Total Depth: | 1745 | Ground Elevation: | 1089 |
| Top Seal Type: | Pressure Grout | Bottom Seal Type: | Pressure Grout |
| Casing Depth: | 494 | Casing Diameter: | 10 |
| Casing Type: | Steel | Casing Elevation: | 1084 |
| Casing Height: | 0 | Outer Well Casing Depth: | 0 |
| Outer Casing Diameter: | 0 | Screen Length (ft): | -9999 |
| Screen Size (in): | -9999 | Depth to Static Water Level: | 295 |
| Max Yield (gal/min): | 176 | Dynamic Head of Pump: | 85 |
| Drawdown: | 55 | Year of Pump Test: | 1995 |
| Pump Type: | Submersible | Pump Manufacturer: | Crown |
| Pump Depth: | 630 | Pump Capacity: | 208 |
| Has Pump Meter: | Y | Has Stand-by Power: | N |
| VOC detections: | N | Nitrates Detected: | N |
| Chlorination Used: | Y | Filtration Used: | N |
| GWUDISW: | N | Meets Construction Requirements: | Y |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Surface Drainage:
SWIP Wellhead Status:

Satisfactory
Verified

Water System Entry Point ID: Y

K42
SSE
1/2 - 1 Mile
Lower

FED USGS USGS40000691534

| | | | |
|------------------------|-------------------------------|-----------------------------|------------------------------------|
| Organization ID: | USGS-MO | Organization Name: | USGS Missouri Water Science Center |
| Monitor Location: | T37N R08W 11ACA | Type: | Well |
| Description: | Not Reported | HUC: | 07140102 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Ozark Plateaus aquifer system | Aquifer Type: | Not Reported |
| Formation Type: | Not Reported | Well Depth: | 1745 |
| Construction Date: | 19340000 | Well Hole Depth: | Not Reported |
| Well Depth Units: | ft | | |
| Well Hole Depth Units: | Not Reported | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 2 | Level reading date: | 1998-02-25 |
| Feet below surface: | 445.2 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|---------------------|--------------|---------------------|--------------|
| Level reading date: | 1991 | Feet below surface: | 295 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

K43
SSE
1/2 - 1 Mile
Lower

FED USGS USGS40000691539

| | | | |
|------------------------|-------------------------------|-----------------------------|------------------------------------|
| Organization ID: | USGS-MO | Organization Name: | USGS Missouri Water Science Center |
| Monitor Location: | T37N R08W 11A | Type: | Well |
| Description: | Not Reported | HUC: | 07140102 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Ozark Plateaus aquifer system | Aquifer Type: | Confined multiple aquifer |
| Formation Type: | Potosi Dolomite | Well Depth: | 1745 |
| Construction Date: | 19341200 | Well Hole Depth: | 1745 |
| Well Depth Units: | ft | | |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 3 | Level reading date: | 1936-07-23 |
| Feet below surface: | 240 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|---------------------|--------------|---------------------|--------------|
| Level reading date: | 1936-07-01 | Feet below surface: | 235 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

| | | | |
|---------------------|--------------|---------------------|--------------|
| Level reading date: | 1934-12 | Feet below surface: | 235 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

L44
South
1/2 - 1 Mile
Lower

MO WELLS MOLOG100011108

Database: Geologic Well Log Database ID: 009515
Elevation: 1079 Static Water Level: 0

L45
South
1/2 - 1 Mile
Lower

MO WELLS MO700000004639

| | | | |
|----------------------------------|--------------------------------------|------------------------------|----------------|
| Database: | Missouri Public Drinking Water Wells | | |
| DGLS ID: | 104474 | LOGMAIN ID: | 0009515 |
| Well Certification #: | Not Reported | PWSS Name: | Rolla |
| PWSS ID: | 3010700 | IPWS ID: | MO3010700 |
| Well #: | 5 | Local Name: | Walker Ave. |
| Well ID: | 14280 | Facility Type: | City |
| Federal Water System Type: | Community | Status: | Active |
| Drill Date: | 1947 | Abandoned: | 0 |
| Plugged: | 0 | Material Type: | Consolidated |
| Formation at Casing Depth: | Gasconade | Formation at Total Depth: | Elvins |
| Total Depth: | 1150 | Ground Elevation: | 1053 |
| Top Seal Type: | Pressure Grout | Bottom Seal Type: | Pressure Grout |
| Casing Depth: | 280 | Casing Diameter: | 12 |
| Casing Type: | Steel | Casing Elevation: | 1050 |
| Casing Height: | 0 | Outer Well Casing Depth: | 15 |
| Outer Casing Diameter: | 20 | Screen Length (ft): | -9999 |
| Screen Size (in): | -9999 | Depth to Static Water Level: | 290 |
| Max Yield (gal/min): | 533 | Dynamic Head of Pump: | 95 |
| Drawdown: | 157 | Year of Pump Test: | 1991 |
| Pump Type: | Vertical Turbine | | |
| Pump Manufacturer: | Layne | Pump Depth: | 510 |
| Pump Capacity: | 564 | Has Pump Meter: | Y |
| Has Stand-by Power: | N | VOC detections: | N |
| Nitrates Detected: | N | Chlorination Used: | Y |
| Filtration Used: | N | GWUDISW: | N |
| Meets Construction Requirements: | Y | Surface Drainage: | Satisfactory |
| Water System Entry Point ID: | Y | SWIP Wellhead Status: | Verified |

L46
South
1/2 - 1 Mile
Lower

FED USGS USGS40000691527

| | | | |
|------------------------|-------------------------------|-----------------------------|------------------------------------|
| Organization ID: | USGS-MO | Organization Name: | USGS Missouri Water Science Center |
| Monitor Location: | T37N R08W 11BDC | Type: | Well |
| Description: | Not Reported | HUC: | 07140102 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Ozark Plateaus aquifer system | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 19460000 | Well Depth: | 1133 |
| Well Depth Units: | ft | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|--|--------------|---------------------|--------------|
| Ground water levels, Number of Measurements: | 2 | Level reading date: | 1998-02-23 |
| Feet below surface: | 410 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |
| <hr/> | | | |
| Level reading date: | 1991 | Feet below surface: | 290 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

47
WNW
1/2 - 1 Mile
Higher

MO WELLS MOLOG1000011369

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 025110 |
| Elevation: | 1186 | Static Water Level: | 0 |

48
ENE
1/2 - 1 Mile
Higher

MO WELLS MOLOG1000011375

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 008588 |
| Elevation: | 1170 | Static Water Level: | 0 |

49
NNE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011480

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 015112 |
| Elevation: | 994 | Static Water Level: | 0 |

50
NE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011446

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 002452 |
| Elevation: | 1075 | Static Water Level: | 80 |

51
WNW
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011362

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 008600 |
| Elevation: | 1184 | Static Water Level: | 90 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

52
SSE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011106

Database: Geologic Well Log Database ID: 005434
Elevation: 0 Static Water Level: 8

53
SSE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011097

Database: Geologic Well Log Database ID: 002101
Elevation: 0 Static Water Level: 0

M54
East
1/2 - 1 Mile
Lower

FED USGS USGS40000691568

| | | | |
|------------------------|-------------------------------|-----------------------------|------------------------------------|
| Organization ID: | USGS-MO | Organization Name: | USGS Missouri Water Science Center |
| Monitor Location: | T37N R08W 01CAB4 | Type: | Well |
| Description: | Not Reported | HUC: | 07140102 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Ozark Plateaus aquifer system | | |
| Formation Type: | Potosi Dolomite | Aquifer Type: | Confined multiple aquifer |
| Construction Date: | 19420801 | Well Depth: | 1169 |
| Well Depth Units: | ft | Well Hole Depth: | 1175 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1942-08-01 |
| Feet below surface: | 245 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

M55
East
1/2 - 1 Mile
Lower

MO WELLS MO700000004632

| | | | |
|----------------------------|--------------------------------------|---------------------------|----------------|
| Database: | Missouri Public Drinking Water Wells | | |
| DGLS ID: | 104467 | LOGMAIN ID: | 0007915 |
| Well Certification #: | Not Reported | PWSS Name: | Rolla |
| PWSS ID: | 3010700 | IPWS ID: | MO3010700 |
| Well #: | 3 | Local Name: | MD & Halloway |
| Well ID: | 14278 | Facility Type: | City |
| Federal Water System Type: | Community | Status: | Active |
| Drill Date: | 1942 | Abandoned: | 0 |
| Plugged: | 0 | Material Type: | Consolidated |
| Formation at Casing Depth: | Gasconade | Formation at Total Depth: | Elvins |
| Total Depth: | 1175 | Ground Elevation: | 1135 |
| Top Seal Type: | Pressure Grout | Bottom Seal Type: | Pressure Grout |
| Casing Depth: | 392 | Casing Diameter: | 10 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------------------------|------------------|------------------------------|--------------|
| Casing Type: | Steel | Casing Elevation: | 1109 |
| Casing Height: | 0 | Outer Well Casing Depth: | 124 |
| Outer Casing Diameter: | 16 | Screen Length (ft): | -9999 |
| Screen Size (in): | -9999 | Depth to Static Water Level: | 165 |
| Max Yield (gal/min): | 453 | Dynamic Head of Pump: | 95 |
| Drawdown: | 70 | Year of Pump Test: | 1989 |
| Pump Type: | Vertical Turbine | | |
| Pump Manufacturer: | Layne | Pump Depth: | 550 |
| Pump Capacity: | 453 | Has Pump Meter: | Y |
| Has Stand-by Power: | Y | VOC detections: | N |
| Nitrates Detected: | N | Chlorination Used: | Y |
| Filtration Used: | N | GWUDISW: | N |
| Meets Construction Requirements: | Y | Surface Drainage: | Satisfactory |
| Water System Entry Point ID: | Y | SWIP Wellhead Status: | Verified |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MO Radon

Radon Test Results

| Zipcode | Test Date | Result |
|---------|-----------|--------|
| 65401 | 02/21/09 | 1.1 |
| 65401 | 02/10/09 | 3.7 |
| 65401 | 02/12/08 | 0.6 |
| 65401 | 03/28/09 | 1.4 |
| 65401 | 03/30/09 | 3.4 |
| 65401 | 03/30/09 | 4.5 |
| 65401 | 04/11/08 | 2.3 |
| 65401 | 04/26/08 | ???? |
| 65401 | 04/29/06 | ???? |
| 65401 | 02/23/08 | 1.3 |
| 65401 | 02/27/07 | 0.7 |
| 65401 | 02/27/09 | 0.9 |
| 65401 | 03/09/07 | 1.1 |
| 65401 | 03/09/09 | 6 |
| 65401 | 05/05/08 | 6.9 |

Federal EPA Radon Zone for PHELPS County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 65401

Number of sites tested: 7

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 0.580 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 1.471 pCi/L | 86% | 14% | 0% |

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: National Wetland Inventory of Missouri

Source: Department of Natural Resources

Telephone: 573-751-5110

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Missouri Public Drinking Water Wells

Source: Department of Natural Resources

Telephone: 573-526-5448

Missouri Geologic Well Log Database

Source: Department of Natural Resources

Telephone: 573-526-5448

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Department of Natural Resources

Telephone: 573-368-2143

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey.

The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Appendix 16.8

Tier 1 Vapor Encroachment Screen

Missouri S & T Buildings

1001 Collegiate Boulevard

Rolla, MO 65401

Inquiry Number: 06993336.2r

July 1, 2022

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

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| Map Findings | 4 |
| Record Sources and Currency | GR-1 |

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

| STANDARD ENVIRONMENTAL RECORDS | Default Area of Concern (Miles)* | property | | |
|---|---|-----------------|------------------|---|
| | | 1/10 | > 1/10 | |
| Lists of Federal NPL (Superfund) sites | 1.0 | 0 | 0 | 0 |
| Lists of Federal Delisted NPL sites | 1.0 | 0 | 0 | 0 |
| Lists of Federal sites subject to CERCLA removals and CERCLA orders | 1.0 | 0 | 0 | 0 |
| Lists of Federal CERCLA sites with NFRAP | 0.5 | 0 | 0 | 0 |
| Lists of Federal RCRA facilities undergoing Corrective Action | 1.0 | 0 | 0 | 0 |
| Lists of Federal RCRA TSD facilities | 0.5 | 0 | 0 | 0 |
| Lists of Federal RCRA generators | 0.25 | 0 | 0 | 0 |
| Federal institutional controls / engineering controls registries | 0.5 | 0 | 0 | 0 |
| Federal ERNS list | property | 0 | - | - |
| Lists of state- and tribal (Superfund) equivalent sites | not searched | - | - | - |
| Lists of state- and tribal hazardous waste facilities | 1.0 | 0 | 0 | 0 |
| Lists of state and tribal landfills and solid waste disposal facilities | 0.5 | 0 | 0 | 0 |
| Lists of state and tribal leaking storage tanks | 0.5 | 0 | 0 | 0 |
| Lists of state and tribal registered storage tanks | 0.25 | 0 | 0 | 0 |
| State and tribal institutional control / engineering control registries | 0.5 | 0 | 0 | 0 |
| Lists of state and tribal voluntary cleanup sites | 0.5 | 0 | 0 | 0 |
| Lists of state and tribal brownfield sites | 0.5 | 0 | 0 | 0 |

ADDITIONAL ENVIRONMENTAL RECORDS

| | | | | |
|--|--------------|---|---|---|
| Local Brownfield lists | 0.5 | 0 | 0 | 0 |
| Local Lists of Landfill / Solid Waste Disposal Sites | 0.5 | 0 | 0 | 0 |
| Local Lists of Hazardous waste / Contaminated Sites | 1.0 | 0 | 0 | 0 |
| Local Lists of Registered Storage Tanks | not searched | - | - | - |
| Local Land Records | not searched | - | - | - |
| Records of Emergency Release Reports | property | 0 | - | - |
| Other Ascertainable Records | 1.0 | 0 | 0 | 0 |

EDR HIGH RISK HISTORICAL RECORDS

| | | | | |
|------------------------------------|--------------|---|---|---|
| EDR Exclusive Records | not searched | - | - | - |
| Exclusive Recovered Govt. Archives | 1.0 | 0 | 0 | 0 |

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

| | | | | |
|------------------------------------|--------------|---|---|---|
| EDR Exclusive Records | not searched | - | - | - |
| Exclusive Recovered Govt. Archives | 1.0 | 0 | 0 | 0 |

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

MISSOURI S & T BUILDINGS
1001 COLLEGIATE BOULEVARD
ROLLA, MO 65401

COORDINATES

| | |
|-------------------|--------------------------------|
| Latitude (North): | 37.957923 - 37° 57' 28.526001" |
| Longitude (West): | 91.779882 - 91° 46' 47.58362" |
| Elevation: | 1183 ft. above sea level |

EXECUTIVE SUMMARY

SEARCH RESULTS

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

| <u>Name</u> | <u>Address</u> | <u>Dist/Dir</u> | <u>Map ID</u> | <u>Page</u> |
|--------------|----------------|-----------------|---------------|-------------|
| Not Reported | | | | |

ADDITIONAL ENVIRONMENTAL RECORDS

| <u>Name</u> | <u>Address</u> | <u>Dist/Dir</u> | <u>Map ID</u> | <u>Page</u> |
|--------------|----------------|-----------------|---------------|-------------|
| Not Reported | | | | |

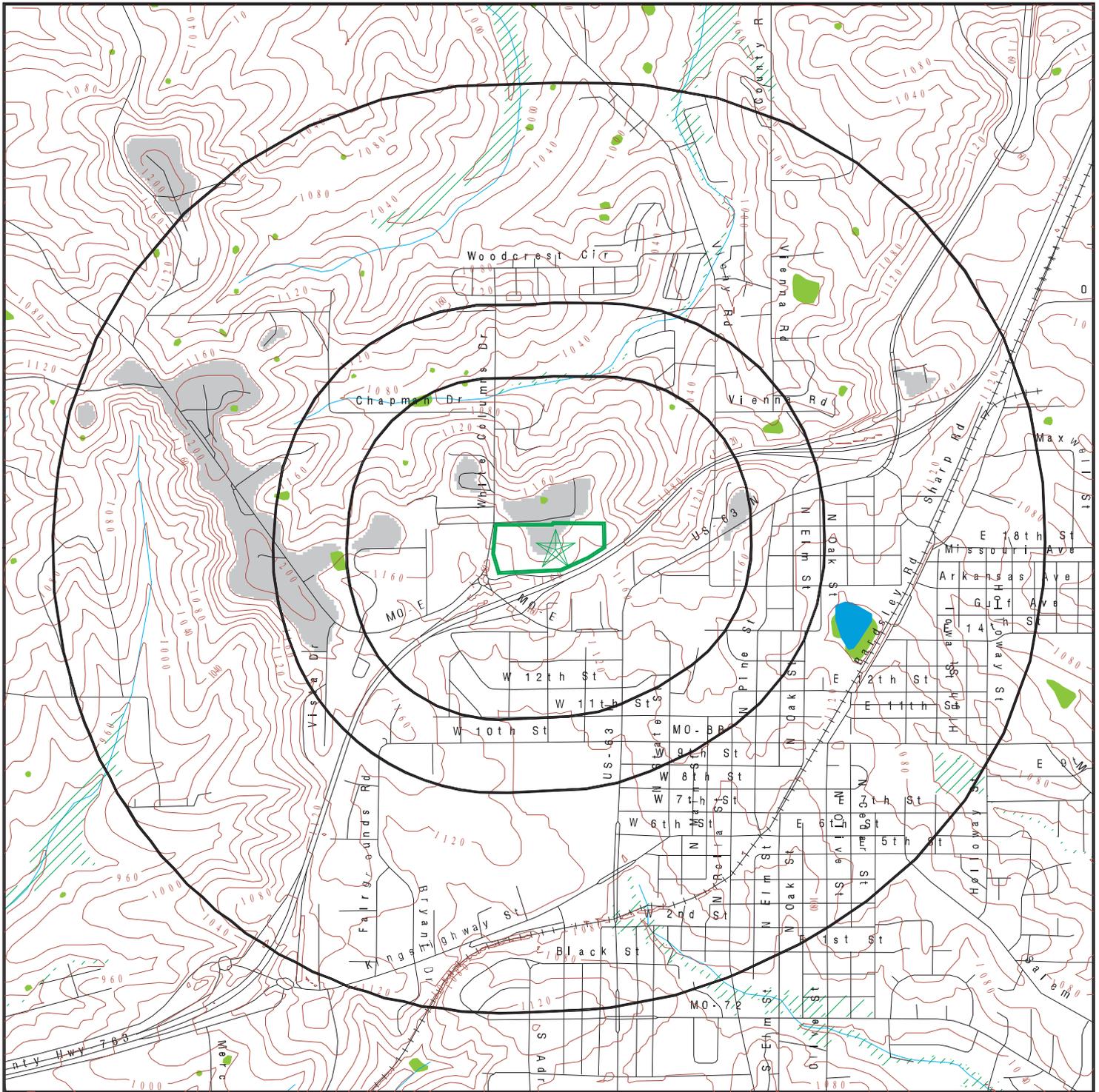
EDR HIGH RISK HISTORICAL RECORDS

| <u>Name</u> | <u>Address</u> | <u>Dist/Dir</u> | <u>Map ID</u> | <u>Page</u> |
|--------------|----------------|-----------------|---------------|-------------|
| Not Reported | | | | |

EDR RECOVERED GOVERNMENT ARCHIVES

| <u>Name</u> | <u>Address</u> | <u>Dist/Dir</u> | <u>Map ID</u> | <u>Page</u> |
|--------------|----------------|-----------------|---------------|-------------|
| Not Reported | | | | |

SECONDARY MAP - 06993336.2R



 Target Property

 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property

 National Priority List Sites

 Special Flood Hazard Area (1%)

 0.2% Annual Chance Flood Hazard

 National Wetland Inventory

 State Wetlands

 Upgradient Area

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Missouri S & T Buildings
 ADDRESS: 1001 Collegiate Boulevard
 Rolla MO 65401
 LAT/LONG: 37.957923 / 91.779882

CLIENT: Environmental Operations, Inc.
 CONTACT: Alexandria Algieri
 INQUIRY #: 06993336.2r
 DATE: May 24, 2022 4:35 pm

MAP FINDINGS

LEGEND

| | | | | |
|---|--------------------|--|-------------------------|--|
| FACILITY NAME | | FACILITY ADDRESS, CITY, ST, ZIP | | EDR SITE ID NUMBER |
| ◆ MAP ID# | Direction | Distance Range | (Distance feet / miles) | ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency. |
| | Relative Elevation | Feet Above Sea Level | | |
| Worksheet: | | | | |
| Comments: Comments may be added on the online Vapor Encroachment Worksheet. | | | | |

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl. Date | Active Date |
|---|------------------|--|---|------------|------------|-------------|
| ENVIRONMENTAL RECORDS | | | | | | |
| Federal NPL site list | | | | | | |
| US | NPL | National Priority List | EPA | 01/25/2022 | 02/03/2022 | 02/22/2022 |
| US | Proposed NPL | Proposed National Priority List Sites | EPA | 01/25/2022 | 02/03/2022 | 02/22/2022 |
| Federal CERCLIS list | | | | | | |
| US | SEMS | Superfund Enterprise Management System | EPA | 01/25/2022 | 02/03/2022 | 02/22/2022 |
| Federal RCRA CORRACTS facilities list | | | | | | |
| US | CORRACTS | Corrective Action Report | EPA | 02/28/2022 | 03/02/2022 | 03/17/2022 |
| Federal RCRA TSD facilities list | | | | | | |
| US | RCRA-TSDF | RCRA - Treatment, Storage and Disposal | Environmental Protection Agency | 02/28/2022 | 03/02/2022 | 03/17/2022 |
| Federal RCRA generators list | | | | | | |
| US | RCRA-LQG | RCRA - Large Quantity Generators | Environmental Protection Agency | 02/28/2022 | 03/02/2022 | 03/17/2022 |
| US | RCRA-SQG | RCRA - Small Quantity Generators | Environmental Protection Agency | 02/28/2022 | 03/02/2022 | 03/17/2022 |
| US | RCRA-VSQG | RCRA - Very Small Quantity Generators (Formerly Conditionall | Environmental Protection Agency | 02/28/2022 | 03/02/2022 | 03/17/2022 |
| Federal institutional controls / engineering controls registries | | | | | | |
| US | US ENG CONTROLS | Engineering Controls Sites List | Environmental Protection Agency | 11/19/2021 | 11/19/2021 | 02/14/2022 |
| US | US INST CONTROLS | Institutional Controls Sites List | Environmental Protection Agency | 11/19/2021 | 11/19/2021 | 02/14/2022 |
| Federal ERNS list | | | | | | |
| US | ERNS | Emergency Response Notification System | National Response Center, United States Coast | 12/31/2021 | 03/01/2022 | 03/10/2022 |
| State and tribal - equivalent CERCLIS | | | | | | |
| MO | SHWS | Registry of Confirmed Abandoned or Uncontrolled Hazardous Wa | Department of Natural Resources | 09/21/2020 | 09/23/2020 | 12/15/2020 |
| MO | HWS DETAIL | Registry Annual Report | Department of Natural Resources | 06/30/2021 | 02/25/2022 | 05/20/2022 |
| State and tribal landfill / solid waste disposal | | | | | | |
| MO | SWF/LF | Solid Waste Facility List | Department of Natural Resources | 02/22/2022 | 02/23/2022 | 05/20/2022 |
| State and tribal leaking storage tank lists | | | | | | |
| MO | LUST | Leaking Underground Storage Tanks | Department of Natural Resources | 11/29/2021 | 12/08/2021 | 02/24/2022 |
| MO | LAST | Leaking Aboveground Storage Tanks | Department of Natural Resources | 11/29/2021 | 12/08/2021 | 02/24/2022 |
| US | INDIAN LUST R5 | Leaking Underground Storage Tanks on Indian Land | EPA, Region 5 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN LUST R10 | Leaking Underground Storage Tanks on Indian Land | EPA Region 10 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN LUST R8 | Leaking Underground Storage Tanks on Indian Land | EPA Region 8 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN LUST R7 | Leaking Underground Storage Tanks on Indian Land | EPA Region 7 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN LUST R6 | Leaking Underground Storage Tanks on Indian Land | EPA Region 6 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN LUST R1 | Leaking Underground Storage Tanks on Indian Land | EPA Region 1 | 04/28/2021 | 06/11/2021 | 09/07/2021 |
| US | INDIAN LUST R4 | Leaking Underground Storage Tanks on Indian Land | EPA Region 4 | 05/28/2021 | 06/22/2021 | 09/20/2021 |
| US | INDIAN LUST R9 | Leaking Underground Storage Tanks on Indian Land | Environmental Protection Agency | 10/12/2021 | 11/15/2021 | 02/08/2022 |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl. Date | Active Date |
|--|-------------------|--|---|------------|------------|-------------|
| State and tribal registered storage tank lists | | | | | | |
| MO | UST | Petroleum Storage Tanks | Department of Natural Resources | 11/29/2021 | 12/08/2021 | 02/24/2022 |
| MO | AST | Aboveground Petroleum Storage Tanks | Department of Agriculture | 02/22/2022 | 02/24/2022 | 05/20/2022 |
| US | INDIAN UST R6 | Underground Storage Tanks on Indian Land | EPA Region 6 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN UST R7 | Underground Storage Tanks on Indian Land | EPA Region 7 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN UST R9 | Underground Storage Tanks on Indian Land | EPA Region 9 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN UST R4 | Underground Storage Tanks on Indian Land | EPA Region 4 | 05/28/2021 | 06/22/2021 | 09/20/2021 |
| US | INDIAN UST R8 | Underground Storage Tanks on Indian Land | EPA Region 8 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN UST R5 | Underground Storage Tanks on Indian Land | EPA Region 5 | 04/06/2021 | 06/11/2021 | 09/07/2021 |
| US | INDIAN UST R1 | Underground Storage Tanks on Indian Land | EPA, Region 1 | 10/14/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN UST R10 | Underground Storage Tanks on Indian Land | EPA Region 10 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | FEMA UST | Underground Storage Tank Listing | FEMA | 10/14/2021 | 11/05/2021 | 02/01/2022 |
| State and tribal institutional control / engineering control registries | | | | | | |
| MO | AUL | Sites with Controls | Department of Natural Resources | 02/07/2022 | 02/08/2022 | 05/05/2022 |
| State and tribal voluntary cleanup sites | | | | | | |
| MO | VCP | Sites Participating in the Voluntary Cleanup Program | Department of Natural Resources | 02/07/2022 | 02/08/2022 | 05/05/2022 |
| State and tribal Brownfields sites | | | | | | |
| MO | BROWNFIELDS | Brownfields Site List | Department of Natural Resources | 02/07/2022 | 02/08/2022 | 05/05/2022 |
| Other Records | | | | | | |
| US | CONSENT | Superfund (CERCLA) Consent Decrees | Department of Justice, Consent Decree Library | 12/31/2021 | 01/14/2022 | 03/25/2022 |
| US | ROD | Records Of Decision | EPA | 01/25/2022 | 02/03/2022 | 02/22/2022 |
| MO | DEL SHWS | Registry Sites Withdrawn or Deleted | Department of Natural Resources | 09/21/2020 | 09/23/2020 | 12/15/2020 |
| MO | HIST LF | Solid Waste Facility Database List | Department of Natural Resources | 04/12/2005 | 07/19/2006 | 08/18/2006 |
| MO | SWRCY | Solid Waste Recycling Facilities | Department of Natural Resources | 05/18/2021 | 05/18/2021 | 08/04/2021 |
| US | PCB TRANSFORMER | PCB Transformer Registration Database | Environmental Protection Agency | 09/13/2019 | 11/06/2019 | 02/10/2020 |
| US | US FIN ASSUR | Financial Assurance Information | Environmental Protection Agency | 12/13/2021 | 12/17/2021 | 03/17/2022 |
| US | US AIRS MINOR | Air Facility System Data | EPA | 10/12/2016 | 10/26/2016 | 02/03/2017 |
| US | US AIRS (AFS) | Aerometric Information Retrieval System Facility Subsystem (| EPA | 10/12/2016 | 10/26/2016 | 02/03/2017 |
| US | EPA WATCH LIST | EPA WATCH LIST | Environmental Protection Agency | 08/30/2013 | 03/21/2014 | 06/17/2014 |
| US | LEAD SMELTER 2 | Lead Smelter Sites | American Journal of Public Health | 04/05/2001 | 10/27/2010 | 12/02/2010 |
| US | COAL ASH EPA | Coal Combustion Residues Surface Impoundments List | Environmental Protection Agency | 01/12/2017 | 03/05/2019 | 11/11/2019 |
| US | LEAD SMELTER 1 | Lead Smelter Sites | Environmental Protection Agency | 01/25/2022 | 02/03/2022 | 02/22/2022 |
| US | 2020 COR ACTION | 2020 Corrective Action Program List | Environmental Protection Agency | 09/30/2017 | 05/08/2018 | 07/20/2018 |
| US | COAL ASH DOE | Steam-Electric Plant Operation Data | Department of Energy | 12/31/2020 | 11/30/2021 | 02/22/2022 |
| US | FUSRAP | Formerly Utilized Sites Remedial Action Program | Department of Energy | 07/26/2021 | 07/27/2021 | 10/22/2021 |
| US | Delisted NPL | National Priority List Deletions | EPA | 01/25/2022 | 02/03/2022 | 02/22/2022 |
| US | SEMS-ARCHIVE | Superfund Enterprise Management System Archive | EPA | 01/25/2022 | 02/03/2022 | 02/22/2022 |
| US | RCRA NonGen / NLR | RCRA - Non Generators / No Longer Regulated | Environmental Protection Agency | 02/28/2022 | 03/02/2022 | 03/17/2022 |
| US | HMIRS | Hazardous Materials Information Reporting System | U.S. Department of Transportation | 12/15/2021 | 12/16/2021 | 03/10/2022 |
| US | US BROWNFIELDS | A Listing of Brownfields Sites | Environmental Protection Agency | 02/23/2022 | 03/10/2022 | 03/10/2022 |
| US | FEDLAND | Federal and Indian Lands | U.S. Geological Survey | 04/02/2018 | 04/11/2018 | 11/06/2019 |
| US | PRP | Potentially Responsible Parties | EPA | 01/25/2022 | 02/03/2022 | 02/25/2022 |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl. Date | Active Date |
|-------------------------------|-----------------------|--|---|------------|------------|-------------|
| US | TRIS | Toxic Chemical Release Inventory System | EPA | 12/31/2018 | 08/14/2020 | 11/04/2020 |
| US | TSCA | Toxic Substances Control Act | EPA | 12/31/2016 | 06/17/2020 | 09/10/2020 |
| US | PADS | PCB Activity Database System | EPA | 01/20/2022 | 01/20/2022 | 03/25/2022 |
| US | FINDS | Facility Index System/Facility Registry System | EPA | 11/04/2021 | 11/22/2021 | 02/25/2022 |
| US | RMP | Risk Management Plans | Environmental Protection Agency | 04/27/2022 | 05/04/2022 | 05/10/2022 |
| US | BRS | Biennial Reporting System | EPA/NTIS | 12/31/2019 | 03/02/2022 | 03/25/2022 |
| US | PWS | Public Water System Data | EPA | 12/17/2013 | 01/09/2014 | 10/15/2014 |
| US | INDIAN ODI | Report on the Status of Open Dumps on Indian Lands | Environmental Protection Agency | 12/31/1998 | 12/03/2007 | 01/24/2008 |
| US | IHS OPEN DUMPS | Open Dumps on Indian Land | Department of Health & Human Services, Indian | 04/01/2014 | 08/06/2014 | 01/29/2015 |
| US | ABANDONED MINES | Abandoned Mines | Department of Interior | 12/14/2021 | 12/15/2021 | 03/10/2022 |
| MO | AIRS | Permit Facility Listing | Department of Natural Resources | 11/01/2021 | 11/29/2021 | 02/24/2022 |
| MO | ASBESTOS | Asbestos Notification Listing | Department of Natural Resources | 01/03/2022 | 01/05/2022 | 03/22/2022 |
| MO | CDL | Environmental Emergency Response System | Department of Natural Resources | 06/01/2021 | 06/07/2021 | 09/01/2021 |
| MO | COAL ASH | Coal Ash Disposal Sites | Department of Natural Resources | 01/03/2018 | 02/01/2018 | 03/22/2018 |
| MO | DRYCLEANERS | Drycleaners in Missouri Listing | Department of Natural Resources | 11/30/2017 | 12/13/2017 | 01/18/2018 |
| MO | Financial Assurance 1 | Financial Assurance Information Listing | Department of Natural Resources | 01/11/2022 | 01/13/2022 | 03/23/2022 |
| MO | Financial Assurance 2 | Financial Assurance Information Listing | Department of Natural Resources | 06/30/2021 | 09/01/2021 | 11/22/2021 |
| MO | MINES | Industrial Mineral Mines Database | Department of Natural Resources | 04/30/2021 | 07/14/2021 | 10/07/2021 |
| MO | NPDES | Permitted Facility Listing | Department of Natural Resources | 04/08/2021 | 04/09/2021 | 06/28/2021 |
| MO | RRC | Certified Hazardous Waste Resource Recovery Facilities | Department of Natural Resources | 09/30/2020 | 10/06/2020 | 12/28/2020 |
| MO | SMARS | Site Management and Reporting System | Department of Natural Resources | 01/03/2022 | 01/26/2022 | 04/20/2022 |
| MO | SPIILLS | Environmental Response Tracking Database | Department of Natural Resources | 06/01/2021 | 06/07/2021 | 09/01/2021 |
| MO | UIC | Underground Injection Wells Database | Department of Natural Resources | 01/11/2022 | 02/15/2022 | 05/12/2022 |
| US | FUELS PROGRAM | EPA Fuels Program Registered Listing | EPA | 02/17/2022 | 02/17/2022 | 05/10/2022 |
| US | DOCKET HWC | Hazardous Waste Compliance Docket Listing | Environmental Protection Agency | 05/06/2021 | 05/21/2021 | 08/11/2021 |
| MO | PFAS | PFAS Detections | Department of Natural Resources | 04/05/2021 | 05/25/2021 | 08/16/2021 |
| US | MINES MRDS | Mineral Resources Data System | USGS | 04/06/2018 | 10/21/2019 | 10/24/2019 |
| US | ECHO | Enforcement & Compliance History Information | Environmental Protection Agency | 01/01/2022 | 01/04/2022 | 01/10/2022 |
| US | FEDERAL FACILITY | Federal Facility Site Information listing | Environmental Protection Agency | 05/25/2021 | 06/24/2021 | 09/20/2021 |
| US | UXO | Unexploded Ordnance Sites | Department of Defense | 12/31/2020 | 01/11/2022 | 02/14/2022 |
| HISTORICAL USE RECORDS | | | | | | |
| MO | RGA HWS | Recovered Government Archive State Hazardous Waste Facilities | Department of Natural Resources | | 07/01/2013 | 01/03/2014 |
| MO | RGA LF | Recovered Government Archive Solid Waste Facilities List | Department of Natural Resources | | 07/01/2013 | 01/15/2014 |
| MO | RGA LUST | Recovered Government Archive Leaking Underground Storage Tanks | Department of Natural Resources | | 07/01/2013 | 01/03/2014 |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl. Date | Active Date |
|----|---------|-----------|-------------------|----------|------------|-------------|
|----|---------|-----------|-------------------|----------|------------|-------------|

STREET AND ADDRESS INFORMATION

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Appendix 16.9

Freedom of Information Act Documentation

Leah Johns

From: Jeana Bahr <jeana.bahr@phelpscounty.org>
Sent: Tuesday, May 24, 2022 8:56 AM
To: Leah Johns
Subject: RE: FOIA Request#22494

The only information we would have on this property would be septic and since it is in the city limits of Rolla, we have no information.

Thank you-
Jeana Bahr
Phelps/Maries Co. Health Dept.

From: Leah Johns <leah@environmentalops.com>
Sent: Tuesday, May 24, 2022 8:41 AM
To: Jeana Bahr <jeana.bahr@phelpscounty.org>
Subject: FOIA Request#22494

Salutations!

Please see the attached FOIA request and let me know if you have any questions or directions to better handle this request.

Thank you and have a great day!

Cheers,

Leah Johns (She/Her) | Environmental Researcher and Compliance Technician

Cell: 337-315-7404



leah@environmentalops.com | www.environmentalops.com

Environmental Consulting, Compliance, and Contracting



Please consider the environment before printing this email



May 24, 2022

Project #22494

Phelps County Health Department
200 N Main Street
Rolla, MO 65401
Phone: (573) 458-6010

Environmental Operations, Inc. is conducting a Phase I Environmental Assessment on properties located in Rolla, Missouri area. Under the Freedom of Information Act, we request any documents containing information, complaints, or environmental concerns (e.g., asbestos containing materials, polychlorinated biphenyls, hazardous materials or wastes use or release, petroleum product materials or wastes use or release, solid wastes disposal, underground storage tanks, leaking underground storage tanks, air emissions, water emissions, industrial activities, etc.) your agency may have regarding this site and surrounding properties.

We are willing to pay up to \$25 for each site, however, if it goes above this amount, please contact us for approval before proceeding.

PLEASE INCLUDE OUR PROJECT NUMBERS WITH YOUR RESPONSE.

*Missouri S & T
Collegiate Ave & Facilities Ave
Rolla, Missouri 65401
Project # 22494*

Thank you for your assistance. If you need additional information or have questions, please contact me by phone at (337) 315-7404 or email at Leah@environmentalops.com.

Respectfully,

Leah Johns
Environmental Technician

Environmental Consulting, Engineering, Remediation, Abatement and Demolition
7733 Forsyth Boulevard Suite 1600 St. Louis, Missouri 63105 314.241.0900
www.environmentalops.com

Leah Johns

From: Lorri Thurman <lthurman@rollacity.org>
Sent: Wednesday, May 25, 2022 10:15 AM
To: Leah Johns
Subject: RE: FOIA Request #22494

Good Morning! The only thing showing is from the Fire Dept. They responded to a call on April of 2003 for a leaking oxygen tank. There wasn't a long term environmental issue and there are no other reports or records.

Lorri M. Thurman

Rolla City Clerk
901 N. Elm
P.O. Box 979
Rolla, Mo 65402
lthurman@rollacity.org
573-426-6948 (direct)

From: Leah Johns <leah@environmentalops.com>
Sent: Tuesday, May 24, 2022 8:35 AM
To: Lorri Thurman <lthurman@rollacity.org>
Subject: FOIA Request #22494

Attn: Fire Department, Community Development, Public Works.

Salutations!

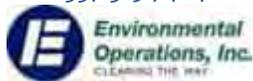
Please see the attached FOIA request and let me know if you have any questions or directions to better handle this request.

Thank you and have a great day!

Cheers,

Leah Johns (She/Her) | Environmental Researcher and Compliance Technician

Cell: 337.315.7404



leah@environmentalops.com | www.environmentalops.com

Environmental Consulting, Compliance, and Contracting



Please consider the environment before printing this email



May 24, 2022

Project #22494

City of Rolla
901 North Elm Street
Rolla, MO 65401
Email: lthurman@rollacity.org

Environmental Operations, Inc. is conducting a Phase I Environmental Assessment on properties located in Rolla, Missouri area. Under the Freedom of Information Act, we request any documents containing information, complaints, or environmental concerns (e.g., asbestos containing materials, polychlorinated biphenyls, hazardous materials or wastes use or release, petroleum product materials or wastes use or release, solid wastes disposal, underground storage tanks, leaking underground storage tanks, air emissions, water emissions, industrial activities, etc.) your agency may have regarding this site and surrounding properties.

We are willing to pay up to \$25 for each site, however, if it goes above this amount, please contact us for approval before proceeding.

PLEASE INCLUDE OUR PROJECT NUMBERS WITH YOUR RESPONSE.

*Missouri S & T
Collegiate Ave & Facilities Ave
Rolla, Missouri 65401
Project # 22494*

Thank you for your assistance. If you need additional information or have questions, please contact me by phone at (337) 315-7404 or email at Leah@environmentalops.com.

Respectfully,

Leah Johns
Environmental Technician

www.environmentalops.com

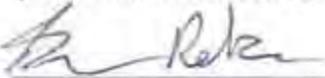
Appendix 16.10

Interview Documentation

User Questionnaire

Please provide the following information, if available, before the property visit by Environmental Operations, Inc.. This information is required per the ASTM E 1527-13, X3-User Questionnaire. If additional pages for response are necessary, please attach them to this form. Failure to provide this information could result in a determination that "All Appropriate Inquiry" is not complete.

Please sign your name and print your name and the date below. By signing you state that the information you provided herein is accurate to the best of your knowledge.


6-13-22
Brandon Rekus

Signature Date Print Name

| Property Information | | | |
|---|--|---|--|
| Property Name <i>MS+T Facility Operations</i> | | Property Identification (e.g. Block & Lot or Parcel ID #) <i>71-09-1.0-02-003-001-002.00</i> | |
| Address | City <i>Rolla</i> | State & Zip <i>MO</i> | |
| User Completing Questionnaire | | | |
| Name & Title <i>Brandon Rekus, EHS Mgr</i> | | Company <i>MS+T</i> | |
| Address <i>900 Innovation Dr.</i> | City <i>Rolla</i> | State & Zip <i>MO 65401</i> | |
| Phone <i>573-341-4403</i> | Fax | | |
| Cell phone <i>573-202-1848</i> | Email <i>bprturn@mst.edu</i> | | |
| Key Site Manager – As identified by User | | | |
| <small>The key site manager should be a person with knowledge of the uses and physical characteristics of the property, such as a property manager, building manager, the chief physical plant supervisor, or maintenance supervisor.</small> | | | |
| Name & Title <i>Jim Jackson - Asst. Dir. Fac Ops</i> | | Company <i>Missouri S+T</i> | |
| Address <i>901 Facilities</i> | City <i>Rolla</i> | State & Zip <i>MO 65401</i> | |
| Phone <i>573-</i> | Fax | | |
| Cell phone | Email | | |
| Current Property Owner | | | |
| Name & Title <i>Board of Curators</i> | | Company <i>University of Missouri System</i> | |
| Address <i>316 University Hall</i> | City <i>Columbia</i> | State & Zip <i>MO 65211</i> | |
| Phone <i>573 882 2388</i> | Fax | | |
| Cell phone | Email <i>boardofcurators@umsystem.edu</i> | | |

Describe the reason the Phase I Environmental Assessment is being performed. (Check one)

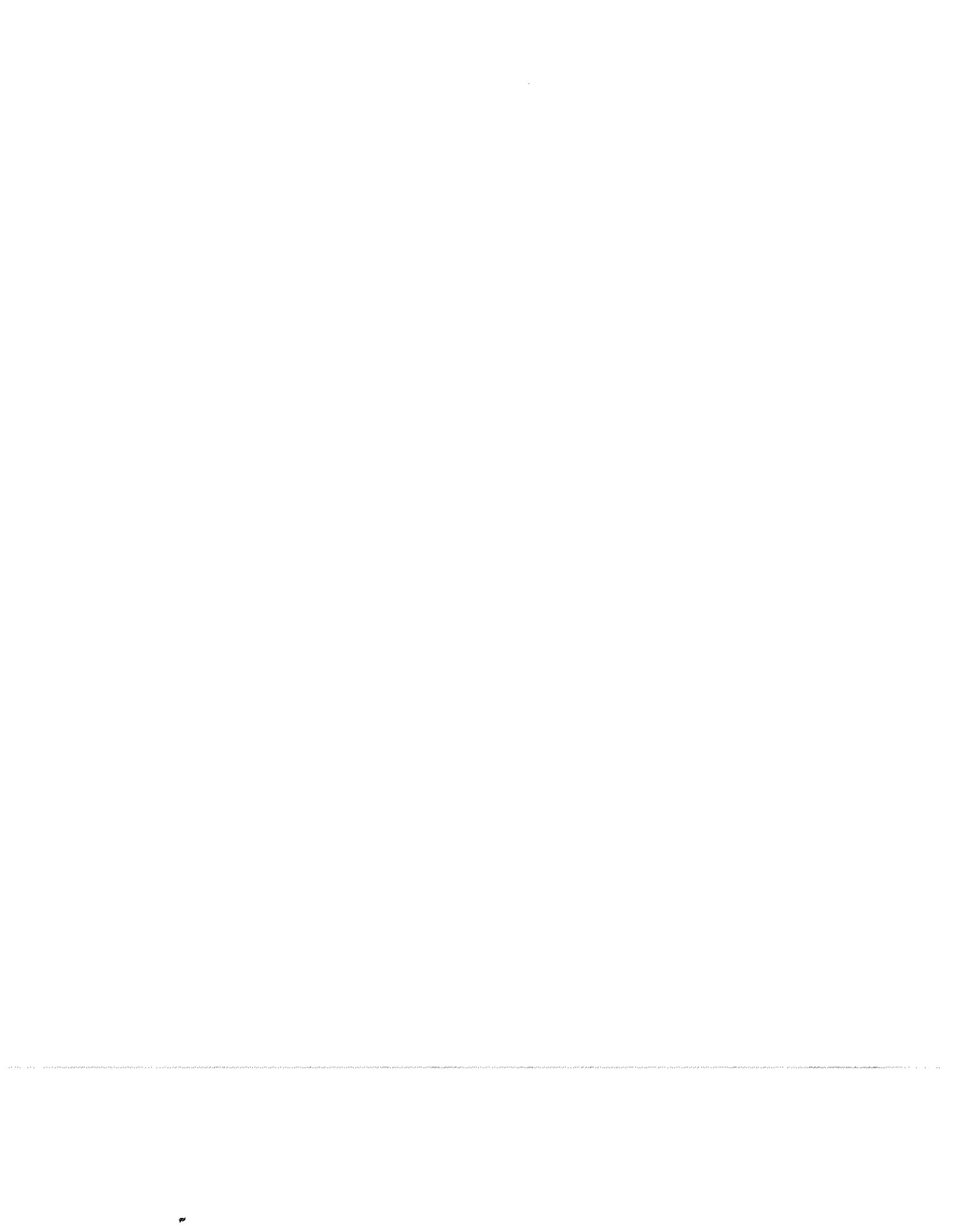
- Finance
 Refinance
 Purchase
 Sale
 Other (specify) *Repurpose + Redevelopment*

| Known Environmental Concerns | |
|--|---|
| 1. Are you aware of any environmental cleanup liens, deed notices, or restrictions against the property that are filed or recorded under federal, tribal, state, or local law? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 2. Are you aware of an Activity and Use Limitations that are in place at the property and/or that have been filed or recorded in a registry under federal, tribal, state, or local law? (If yes, check all that apply.) | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Engineering Controls <input type="checkbox"/> Land Use Restrictions <input type="checkbox"/> Institutional Controls <input type="checkbox"/> Other (specify) | |
| 3. Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have knowledge of the chemicals and processes used by this type of business? If yes, describe. | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 4. Does this transaction include the purchase of the property? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| Does the purchase price reflect a fair market value of the property? | Yes <input type="checkbox"/> No <input type="checkbox"/> <i>N/A</i> |
| If not, have you (the user) considered whether the lower purchase price is because contamination is known or believed to be present at the property? | Yes <input type="checkbox"/> No <input type="checkbox"/> <i>N/A</i> |
| 5. Are you aware of commonly known or reasonably ascertainable information about the property that could identify releases or treated releases of hazardous materials or petroleum products? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Describe specific chemicals that are present or were once present at the property. | <input type="checkbox"/> Not applicable |
| <i>Fuel, motor oil, Heating oil, DMSE related chemicals</i> | |
| Describe known spills, chemical releases, or environmental cleanups which occurred at the property. | <input type="checkbox"/> Not applicable |
| <i>Fuel spilled into containment,</i> | |
| 6. As the user, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property? If yes, describe. | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| <i>Transformers stored outside, oil stains behind container, fuel behind comp? New lot</i> | |
| 7. Are you aware of the following environmental concerns at the property? (Check all that apply) | <input type="checkbox"/> None |
| <input checked="" type="checkbox"/> Underground storage tanks <input type="checkbox"/> Dry cleaners <input checked="" type="checkbox"/> Asbestos <input type="checkbox"/> Other (specify) | |

ASTs / Piping

| Current and Past Property Use | | | | |
|--|---------------------------------|-----------------------|------------|-----------------------|
| 1. Has the property ever been used for any of the following operations? <i>(Check all that apply)</i> <input type="checkbox"/> None | | | | |
| <input type="checkbox"/> Manufacturing operations <input checked="" type="checkbox"/> Gasoline service station <input checked="" type="checkbox"/> Automobile repair <input type="checkbox"/> Dry cleaning | | | | |
| 2. Describe property use/operations prior to the construction of the buildings currently at the property, if known. Include chemicals previously stored at the property. | | | | |
| Unknown | | | | |
| 3. Provide previous property owners, occupants, and/or operators. Attach pages as necessary. | | | | |
| Company | Owner/ Occupant/ Operator | Dates of occupancy | Operations | Contact name & number |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| EXISTING DOCUMENTATION | | | |
|--|-------------------------------------|-------------------------------------|---|
| Does the following documentation exist? If yes, please provide copies. | | | |
| Yes | No | Unknown | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Environmental Site Assessment Reports |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Environmental Compliance Audit Reports - EPA |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Environmental Permits |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Underground Storage Tank/Aboveground Storage Tank registrations |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Underground injection permits |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Material Safety Data Sheets (MSDSs) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Hazardous waste generator notices |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Geotechnical studies |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Risk Assessments |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Community Right-to-know plan |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Safety Plans |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Spill Prevention Control and Countermeasures (SPCC) Plans |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Emergency preparedness & prevention plans |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Hydrogeologic reports |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Government correspondence & violations |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Recorded Activity and Use Limitations (AULs) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Environmental Liens |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Other _____ |



ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT INTERVIEW

Contact Name/Title/Organization:

How long have you been familiar with the subject site? 30 years DMSF

Are the subject site boundaries apparent? What is the acreage of the subject site? ?

Square footage for each building? Date of construction? Date of most recent renovations? 1980's DMSF

What is the source of water currently? Previously? ← city water cisterns, ponds, surface water, water wells?

How is wastewater treated currently? Previously? depressions, ditches, dry wells, holding tanks, impoundments, lagoons, leach fields, lift stations, monitoring wells, oil-water separators, pits, septic systems, silver recovery units, sumps, wastewater discharge?

Drains - stormwater? sewer? oil/water separator? grease trap? how often serviced? ?

Who currently owns the subject site? Since when? UM - S & T

Who previously owned the subject site? Since when? ?

Who currently occupies the subject site? Since when? UM - S & T

Who previously occupied the subject site? Since when? ?

What activities/operations were conducted on the subject site? State # 001049 Permit # MOD000677773

Have any environmental permits (e.g., hazardous waste disposal, National Pollutant Discharge Elimination System/NPDES, solid waste disposal, wastewater, etc.) been requested for or issued for the subject site? If so, have there been any notices or violations in association with those permits? None

Are any environmental reports (e.g., assessments, geotechnical-foundation studies/soil borings, hydrogeologic-water movement, etc.) currently being prepared or previously have been prepared on the subject site? NO

Are any asbestos containing materials present currently? Previously?

Is any compressor, electrical, or hydraulic equipment present currently? Previously? If yes, when was the equipment manufactured? hydraulic dock lift DMSF → city → Ameron

Who supplies electricity? Gas? Electric or gas heat? (LOG)

Are any hazardous materials used on the subject site (or adjoining properties) currently? Previously? Yes

Are any hazardous waste(s) generated on the subject site (or adjoining properties) currently? Previously? What quantity? How often? Who removes? How often? ← DMSF 90 day facility (Lab waste) Heritage Env Ser → Gen Ser - Fuel Tank (AST)

Are there any aboveground storage tanks (ASTs), underground storage tanks (USTs), or leaking underground storage tanks (LUSTs) on the subject site (or adjoining properties) currently? Previously? What are/were their locations, contents, and storage capacities?

Are there any air emissions from the subject site (or adjoining properties) currently? Previously? NO

Environmental Operations, Inc.

Have any of the following been associated with the subject site or adjoining properties currently? Previously?

| | NO | YES |
|---|----|-----|
| automotive/motor maintenance/repair | | ✓ |
| demolition | ✓ | |
| dry cleaning | ✓ | |
| environmental lien(s)/environmental legal action(s) | ✓ | |
| filling/gasoline/service station | | ✓ |
| industrial (e.g., manufacturing, processing, refining, transportation, utilities, warehousing, etc.) | ✓ | |
| junkyard/salvage | ✓ | |
| photo developing | ✓ | |
| printing | ✓ | |
| waste management (e.g., burial, disposal, landfilling, <u>processing</u> , <u>recycling</u> , storage, treatment, etc.) | | ✓ |

Have fill materials (e.g., concrete, ^{UNK}garbage, rock, rubble, soil, trash, yard waste, etc.) been brought onto the subject site from an unknown site or a contaminated site? If so, please describe the source and type of material used for fill, as well as its current location, quantity and/or depth.

To the best of your knowledge, have any hazardous materials, petroleum products, batteries (automotive or industrial), demolition debris, farm implements, scrap metal or wood, storage containers, storage drums, tires, unidentified waste materials been dumped aboveground, buried underground, and/or burned on the subject site? If so, please describe the source and type of material used for fill, as well as its current location, quantity and/or depth.

DMSF 90 day storage building
Gen Ser has transformers on site

Is there/has there been anything on the subject site or adjoining properties that you would consider to be an environmental concern? *oil from transformers*

Is there anyone else you would recommend to be interviewed regarding the history and/or operation of the subject site?

Appendix 16.11

Proposal/Notice to Proceed

May 11, 2022

**RC000214 - - Demo Existing Facilities-GSB Area
Missouri University of Science and Technology**

Enclosed is your General Consulting Agreement between Owner and Consultant in connection with the above project. Please electronically sign using DocuSign. An executed copy will be returned to you via email.

For your convenience, the updated version of the UM Consultant Procedures and Design Guidelines is available at:

<https://www.umsystem.edu/ums/fa/facilities/guidelines/>

When submitting your agreement, you will be required to confirm you have included certificates of insurance or copies of your insurance policies verifying you are covered by:

1. Comprehensive General Liability (CGL)
A CGL policy listing "The officers, employees, and agents of The Curators of the University of Missouri" as additional insured in the amounts stated in 2.1.10.3
2. Auto Liability showing Any Auto OR Hired, Owned, or Non-Owned coverage in the amounts stated in 5.5.4.
3. Professional Liability in the amounts stated in 5.5.5.
4. Worker's Compensation (employer's liability) in the amounts stated in 5.5.6.

The certificates must state, or the policies must be endorsed to read coverage will not be canceled or altered until after the Owner has received 10 days prior written notice.

Forward all correspondence on this project to Bradley Clay, as Project Manager. All work and changes to the original written project scope must be approved and authorized by the Project Manager. Other work performed by the Consultant will not be funded.

Please submit invoices for this project using e-Builder.

All payment requests for professional services should be forwarded directly to the Project Manager.



MISSOURI

**UNIVERSITY OF MISSOURI
GENERAL CONSULTING AGREEMENT**

**RC000214- - Demo Existing Facilities-GSB Area
Missouri University of Science and Technology**

This Agreement dated May 11, 2022 to furnish specific consultant services, is made by and between The Curators of the University of Missouri, hereinafter called the "Owner", and ENVIRONMENTAL OPERATIONS, INC., hereinafter called the "Consultant".

ARTICLE 1: SCOPE OF SERVICES

1.1 The Consultant will furnish to the Owner the following described services:

Commitment Scope of work: Provide Phase 1 Environmental Site Assessment for hazardous substances (Asbestos) for demolition of existing facilities GSB Area

1.2 All final documentation associated with the services performed (e.g., reports, studies, etc.) will become the property of the Owner whether the project for which they are made is completed or not.

ARTICLE 2: TERM OF AGREEMENT

2.1 Work covered under this Agreement will be completed by June 11, 2022.

ARTICLE 3: COMPENSATION AND REIMBURSEMENT OF EXPENSES

3.1 The Owner will compensate the Consultant on the following basis for services performed under this Agreement:

Lump Sum amount of \$3,500.00, including reimbursables in the amount of \$0.

3.2 Payments will be made in accordance with the following schedule, upon submission to the University of invoices by the Consultant:

Once work is completed. If several phases, then the initiator can write out the payment schedule.

3.3 Reimbursement for expenses will be made upon submission of invoice and necessary receipts.

3.4 The compensation stated herein includes all applicable taxes. No additional compensation will be allowed due to Consultant's failure to include such taxes or as the result of a change in Consultant's tax liabilities.

ARTICLE 4: NOTIFICATION

4.1 The Consultant will forward all project correspondence, documents and payment requests, etc., to Bradley Clay, Project Manager, Missouri University of Science and Technology, Design, Construction and Space Management, 901 Facilities Avenue; Rolla, Missouri 65409. The Consultant's work and any changes to the scope of services described in paragraph 1.1 will be authorized and approved by the Owner, prior to their execution.

4.2 Correspondence to the Consultant will be forwarded to Julie Gibbs-Alley, 7733 Forsyth Boulevard Ste 1600, Clayton, Missouri 63105.

ARTICLE 5: TERMS AND CONDITIONS

5.1 ASSIGNMENT OF SUBCONTRACTING

The Consultant shall not assign or transfer this Agreement, or an interest therein, or claim thereunder, nor subcontract any portion of the work thereunder without the prior written approval of the Owner.

5.2 TERMINATION OF AGREEMENT

The Owner may terminate this Agreement at any time, with or without cause, by a notice in writing to the Consultant. Upon receipt of such notice, the Consultant shall discontinue all work in connection with the performance of this Agreement. Payment shall be made for authorized services completed up to the date of the termination notice.

5.3 PATENTS

5.3.1 The Consultant shall hold and save harmless the Owner and its officers, agents, servants, and employees from liability of any nature or kind, including cost and expense, for or on account of infringement or use of any patented or unpatented invention, process, or article in the performance of this Agreement, including its use by the Owner.

5.3.2 Whenever any invention or discovery is made or conceived by the Consultant in the course of or in connection with this Agreement, the Consultant shall furnish the Owner with complete information with respect thereto and the Owner will have the sole power to determine whether or where a patent application will be filed and to determine the disposition of title to and all rights under any application or patent that may result. The Consultant shall, at the Owner's expense and at the Owner's request, execute all documents and do all things necessary or proper with respect to such patent application.

5.4 COPYRIGHT

The Owner will have the sole power to determine whether or not a copyright application will be filed for any published report or other document which results from the work performed under this Agreement. The Consultant shall, at the Owner's expense and at the Owner's request, execute all documents and do all things necessary or proper with respect to such copyright application.

5.5 CONSULTANT'S LIABILITY AND INSURANCE REQUIREMENTS

5.5.1 Liability: The Consultant shall indemnify and hold harmless the University and their agents and employees from and against all claims, damages, losses and expense including attorneys' fees arising out of or resulting from the performance of the Work, provided that any such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself) including the loss of use resulting therefrom, and is caused in whole or in part by any negligent act or omission of the Consultant, any Subconsultant, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder. The parties hereto understand and agree that the University is relying on, and does not waive or intend to waive by any provision of this Contract, any monetary limitations or any other rights, immunities, and protections provided by the State of Missouri, as from time to time amended, or otherwise available to the University, or its officers, employees, agents or volunteers.

5.5.2 Insurance: The Consultant shall provide and maintain, during the life of the Agreement, insurance acceptable to the Owner which will afford protection and coverage in accordance with the requirements set forth below. Consultant shall cause each Subconsultant to purchase and maintain insurance of the types and amounts specified herein. Limits of such coverage may be reduced only upon written agreement of Owner.

5.5.3 Commercial General Liability Coverage comparable to Comprehensive General Liability coverage to protect the Consultant and any Subconsultant performing work covered by this Agreement from claims for damages for personal injury, bodily injury (including wrongful death), and from claims for property damage which may arise from the operation under the Agreement. The coverage will provide protection for all operations by the Consultant or any Subconsultant or by anyone directly or indirectly employed by either of them. In addition, the coverage is to include "The officers, employees, and agents of The Curators of the University of Missouri" as "additional insured". The amount of the insurance shall not be less than a minimum of \$1,000,000 combined single limit, per occurrence and \$2,000,000 general aggregate, for both bodily injury and property damage combined.

5.5.4 Comprehensive Automobile Liability coverage to include coverage for all Owned, Hired, and Non-Owned vehicles. The coverage is to include for protection of the Consultant and Subconsultant or by anyone

directly or indirectly employed be either of them. The minimum limit of coverage to be provided is \$1,000,000 combined single limit for bodily injury and property damage, per occurrence and aggregate.

5.5.5 Professional Liability Insurance will be provided by the Consultant to cover claims arising out of the negligent acts, errors and omissions by the Consultant, Subconsultant, or anyone directly or indirectly employed by them. The coverage provided will be not less than \$1,000,000 aggregate.

5.5.6 Worker's Compensation Insurance Coverage A: Worker's Compensation Insurance for all the Consultant's employees at the site of the project, and in case any work is sublet, the Consultant shall require any Subconsultant similarly to provide Worker's Compensation Insurance for all of the latter's employees, unless such employees are covered by the protection afforded by the Consultant. This coverage shall comply in all respects with the requirement of the Statutes of the State of Missouri. Coverage B: Employer's Liability, in a limit no less than \$500,000 for each of the three coverages listed for Employer's Liability.

5.5.7 All insurance shall be procured through agencies and be written by insurance companies which are acceptable to and approved by the Owner, e.g., all coverages should be placed with Insurance Carriers that are licensed to do business in the state of Missouri as an admitted Carrier and all coverages placed are subject to the Owner's approval as to form and content, as well as Carrier. All required coverages shall be obtained and paid for by the Consultant.

5.5.8 The Consultant shall furnish the Owner with certificates, Additional Insured endorsements, policies, or binders which indicate the Consultant and/or the Owner and other Consultants (where required) are covered by the required insurance showing type, amount, class of operations covered, effective dates and dates of expiration of policies prior to commencement of the work. Consultant is required to maintain coverages as stated and required to notify the University of a Carrier Change or cancellation within 2 business days. The University reserves the right to request a copy of the policy. Consultant fails to provide, procure and deliver acceptable policies of insurance or satisfactory certificates or other evidence thereof, the Owner may obtain such insurance at the cost and expense of the Consultant without notice to the Consultant.

5.5.9 It is understood and agreed that the insurance required by the provisions of this article is required in the public interest and that the Owner does not assume any liability for acts of the Consultant, any Subconsultant or their employees in the performance of the Agreement.

5.6 EXAMINATION OF RECORDS

The Owner, and any parties it deems necessary, shall have access to and the right to examine any accounting records of the Consultant involving transactions and work related to this Agreement until the expiration of five years after final payment hereunder.

5.7 CONFLICT OF INTEREST

A. The Consultant shall not hire any officer or employee of the Owner to perform any service covered by this Agreement. If the work is to be performed in connection with a federal contract or grant, the Consultant shall not hire any employee of the United States government to perform any service covered by this Agreement.

B. The Consultant affirms that to the best of their knowledge there exists no actual or potential conflict between the Consultant's family, business or financial interests and the Consultant's services under this Agreement, and in the event of change in either the Consultant's private interests or service under this Agreement, the Consultant will raise with the Owner any question regarding possible conflict of interest which may arise as a result of such change.

C. Consultant herein is an independent contractor and shall not act as an agent for the University, nor shall consultant be deemed to be an employee of the University for any purposes whatsoever. The consultant shall not enter into any agreement or incur any obligations on the University's behalf or commit the University in any manner.

5.8 NONDISCRIMINATION/EQUAL OPPORTUNITY

The University serves from time to time as a contractor for the United States government. Accordingly, the provider of goods and/or services shall comply with federal laws, rules and regulations applicable to subcontractors of government contracts including those relating to equal employment opportunity and affirmative action in the employment of minorities (Executive Order 11246), women (Executive Order 11375), persons with disabilities (29 USC 706) and Executive Order 11758, and certain veterans (38 USC 4212 formerly [2012]) contracting with business concerns with small disadvantaged business concerns (Publication L. 95-507). Contract clauses required by the Government in such circumstances are incorporated herein by reference.

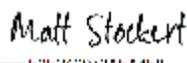
5.9 CERTIFICATES

- A. The Consultant certifies to the best of its knowledge and belief that it and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency in accordance with Executive Order 12549 (2/18/86).
- B. If agreement is for \$100,000 or more, and if the Consultant is a company with ten (10) or more employees, then Consultant certifies that it, and any company affiliated with it, does not boycott Israel and will not boycott Israel during the term of this Contract. In this paragraph, the terms "company" and "boycott Israel" shall have the meanings described in Section 34.600 of the Missouri Revised Statutes.

5.10 APPLICABLE LAW DEEMED INSERTED

This Agreement shall be governed by the laws of the State of Missouri. All applicable provisions required by law shall be deemed to be incorporated herein.

For ENVIRONMENTAL OPERATIONS, INC.:

DocuSigned by:

 3-343C445531243F

Authorized Signer

5/23/2022

Date

43-1419813

Federal Identification Number

For THE CURATORS OF THE UNIVERSITY OF MISSOURI:

DocuSigned by:

 3-343C445531243F

Contracting Officer

5/23/2022

Date

Consultant Agreement Diversity Participation Summary

| | | |
|---|------------|--|
| Project # RC000214 Name: Demo Existing Facilities-GSB Area | | Consultant: ENVIRONMENTAL OPERATIONS, INC. |
| Goal | 0% | Contact: Stacey Fuller |
| Agreement Amount | \$3,500.00 | Phone: (573)341-4207 |

| Participation | Dollars | Percent |
|---------------|---------|---------|
| Total | \$0.00 | 0% |
| MBE | \$0.00 | 0% |
| SDVE | \$0.00 | 0% |
| WBE | \$0.00 | 0% |
| Veteran | \$0.00 | 0% |
| DBE | \$0.00 | 0% |

| Firm Name | City | State | WBE Vet DBE | SDVE | MBE | Service | Dollar Amount | Certification # and Agency |
|--------------------------------|---------|-------|-------------------|------|-----|------------------|------------------|----------------------------------|
| Environmental Operations, Inc. | Clayton | MO | No | No | No | Asbestos Testing | \$0.00 | N/A |

Prepared by: Date:

Director Reviewed: Jonathan Garrett Date: 05.18.2022

Attach a copy of all forms and any supporting information.

¹ See Article 1.1.9 General Conditions for definitions. 1) Black American; 2) Hispanic American; 3) Native American; 4) Asian-Pacific American; 5) Asian-Indian American; 6) Other, note group in box.



Proposal/Contract

May 6, 2022

To: Missouri S&T
900 Innovation Drive
Suite 200
Rolla, Missouri 65401

Proposal #P13510

Re: Phase I Environmental Site Assessment
Missouri S&T Buildings
White Columns Drive & Collegiate Road
Rolla, Missouri 65401

ATTN: Mr. Brandon Rekus

COST: \$3,500.00

SCHEDULE: 25-30 Business Days

Scope of Work – Phase I ESA: Environmental Operations, Inc. (EOI) will perform a Phase I Environmental Site Assessment for the above-referenced site in accordance with the American Society for Testing and Materials (ASTM) Standard E1527-13 Environmental Site Assessments for Commercial Real Estate, in compliance with 40 CFR Part 312, Standards and Practices for All Appropriate Inquiries, which shall include:

- Generation and Evaluation of Property History
- Review of existing environmental documentation
- Physical Setting Evaluation
- Government Records Review
- Evaluation of the potential for Vapor Encroachment per ASTM E2600-15
- Interviews with Owners and Occupants
- On-Site Investigation of the Property and Improvements
- Report Generation

Limitations: The *Scope of Work* outlined above has been designed to identify the presence of hazardous substances. Unless requested by the client or deemed necessary, this investigation will not include additional environmental issues such as formaldehyde gas, archaeological sites, or lead in drinking water issues.

The client recognizes that EOI's failure to detect the presence of hazardous substances at a site does not guarantee that hazardous substances do not exist even though EOI has utilized appropriate and mutually agreed upon sampling techniques and audit procedures. The liability of EOI, its agents performing services under this proposal, including professional services, shall in no event exceed the amount of applicable insurance. A certificate of insurance is attached hereto as *Exhibit B*. EOI shall not be liable for indirect, consequential, or incidental damages.

The report is intended only for the internal use of the client and their authorized representatives, and possession does not imply the right of publication or the use for any other purpose without the written consent of EOI, unless required by law. There will be no other intended beneficiaries other than the client and the party named above. Nothing in this Contract designates EOI as the client's agent for compliance with any law, including any reporting obligations.

Additional Fees (if necessary):

The above quoted cost is a firm-fixed price is valid for seven days, and includes all costs associated with completing the above outlined *Scope of Work*.

Regulatory Agency file review – Should a review of regulatory documents or reports of previous environmental investigations or remediation at the subject site and/or adjoining properties supplied by a Federal, State, or Municipal regulatory agency be warranted, eight (8) hours of professional time is included in the above price. Should additional time be required to properly evaluate the appropriate files, this professional labor will be billed at a rate of \$95.00 per hour. Electronic copies (pdf) will be transmitted at no cost. Please note that additional hard copy reports will be delivered at the client's request for \$50.00 per copy.

Invoices will be sent upon project completion. Payment of 100% of the invoice is due within 10 days. A 1.5% service charge per month (18% per annum) will be charged on all past due accounts and will accrue from the original date of the past due invoice

Schedule:

EOI will provide a report on the above quoted timeline, based upon the receipt of authorization and the completed information requested in the *User's Questionnaire (Exhibit A)*.

Note: The All Appropriate Inquiry regulations (40 CFR Part 312) require that the User's Questionnaire be completed and returned to the Consultant. If this information is not provided, there is a risk of creating a data gap and limiting the findings of this Phase I report.

Respectfully submitted,



Julie Gibbs-Alley
Program Manager –
Due Diligence and Compliance Services

| | | | |
|--|-------------------------|---|---|
| Accepted By: | <u>Missouri S&T</u> | Direct Invoice to (if different): | |
| Signature: | _____ | To: | _____ |
| Name: | _____ | Name, Title: | _____ |
| Title: | _____ | Email: | _____ |
| Date: | _____ | Phone: | _____ |
| If report is to be relied upon by additional parties, please specify: | _____ | Will U.S. Small Business Administration (SBA) be involved in this transaction? | <input type="checkbox"/> Yes <input type="checkbox"/> No |

Appendix 16.12

Qualifications of the Environmental Professional and Environmental Assessment Team

KEY PERSONNEL RESUME

LEAH JOHNS ENVIRONMENTAL COMPLIANCE TECHNICIAN ENVIRONMENTAL OPERATIONS, INC.

EDUCATION

University of Louisiana- Lafayette
BS- Biology, Ecology, 2020
MS- Urban Ecology and Sustainable Planning, 2023

PROFESSIONAL CERTIFICATIONS:

- OSHA 40-hour Training

PROFILE:

Ms. Johns has served as an Environmental Compliance Technician at Environmental Operations, Inc. since 2022. She currently conducts various scopes of work relating to environmental due diligence. Ms. Johns is a part of the Compliance Department, which oversees various client and company projects relating to due federal and state regulations. Ms. Johns' educational background is multidisciplinary and comprehensive in the Environmental Science, Biology, Urban Ecology, and Sustainable Planning sciences.

SPECIALIZED COURSEWORK:

- Geographic Information Systems (GIS) I
- Environmental Field Techniques
- Wildlife Conservation and Biodiversity
- Aquatic Botany
- Principles of Ecology
- Estuarine Ecology
- Professional Communications
-

RELEVANT EXPERIENCE:

Field Supplies Ordering, Sampling bottles and BMP inventory items.

SunCoke Energy, Granite City, Illinois

Weekly and quarterly opacity readings from smokestack and related equipment. File organization and data analysis. Outage hazardous waste management and disposal coordination.

RELEVANT EXPERIENCE:

Ms. Johns has completed Phase I ESAs on various types of properties, including:

- Agricultural land
- Automotive Maintenance facilities
- Banking and Financial facilities
- Brownfield revitalization properties

- Chemical plants
- Educational facilities
- Food Process plants
- Hotels/Motels
- Lumber yards
- Manufacturing plants
- Religious institutions
- Residential properties
- Retail Shopping Centers
- Transportation Depots/Airports
- Undeveloped land
- Warehouses

for a variety of clients, including:

- Banking Institutions
- Churches/Charitable Organizations
- Commercial Real Estate
- Construction Firms
- Mortgage Groups
- National Food Service Corporations
- National Financial Institutions
- REITS
- Regional Development Authorities
- Wildlife Preservation Groups

KEY PERSONNEL RESUME

ALEXANDRIA ALGIERE

**JUNIOR PROJECT MANAGER
ENVIRONMENTAL OPERATIONS, INC. (EOI)**

**Columbia College, Missouri
BS – ENVIRONMENTAL SCIENCE 2020**

PROFESSIONAL CERTIFICATIONS:

- 40-Hour OSHA HAZWOPER
- 8-Hour OSHA HAZWOPER Supervisor
- 30-Hour MSHA 46, 48(b)
- EPA Visible Emissions Inspector
- Special Inspector (St. Louis County)
- Vapor Barrier Inspector – Land Science
- Asbestos Building Inspector: Missouri

PROFILE:

Ms. Algieri has served at EOI since August 2020 as an Environmental Technician and Junior Project Manager, and has worked in the environmental health field since May 2019. Ms. Algieri currently manages Phase I Environmental Site Assessments (ESA), compliance, and due diligence projects. Compliance and due diligence projects include discharge sampling, SWPPP inspections, management and maintenance of BMPs, visual emissions inspections, crafting facility SWPPPs and SPCC plans, and corresponding with regulatory agencies and clientele.

RELEVANT EXPERIENCE:

Project involvement and management across various scopes, sites, and industries:

Stormwater BMP Systems, Columbia, Missouri and St. Louis Area: annual and biannual services, inspections, and completion of reports for stormwater basins and filter systems at several facilities.

SunCoke Energy GECC, Granite City, IL: weekly, monthly, and quarterly opacity readings from smokestack and related equipment. File organization and data analysis. Inspection management and permit regulation adherence monitoring.

Ashley (Tri-Gen) Energy, St. Louis, Missouri: Project Manager for quarterly outfall and leachate sampling per NPDES and facility permits and requirements. Activities include 24-hour composite sampling and grab sampling as well as reporting.

Fred Weber Inc., various locations across Missouri: discharge monitoring, SWPPP & SPCC assistance, and quarterly reporting.

New Frontier Materials, various locations across Missouri: discharge monitoring, SWPPP & SPCC assistance, and quarterly reporting.

PBT Reclamation and Acquisition Landfill, East St. Louis, Missouri: compliance support services on a continuing basis, including Tier II, Annual Stormwater Reporting, SPCC and SWPPP. Activities include 24-hour composite leachate sampling, stormwater grab sampling, and facility BMP inspections.

Phase I ESAs: Ms. Algieri specializes in the analysis of environmental issues affecting properties in accordance with ASTM standards for conducting Phase I ESAs. This entails:

- Inspection of land parcels and developments for evidence of polychlorinated biphenyls, hazardous materials, petroleum products, aboveground and underground storage tanks, air and water emissions, and asbestos containing materials (ACMs).
- Research, review, and analysis of site history, regulatory databases, site physical settings, and federal, state, and local regulatory agency files.

Prior to her current role at EOI, Ms. Algieri worked with the Missouri Department of Conservation. There she served in several roles with various responsibilities, including:

- **Fisheries Technician**, where she navigated streams, collected and surveyed native species, constructed a variety of habitats, and monitored riparian corridors from May 2020 – August 2020.
- **Assistant GIS Analyst**, which entailed developing cartographic products to be used in presentations/publications and creating/maintaining data in various systems and formats, from August 2019 – May 2020.
- **Environmental Health Intern**, where she served as Principle Investigator on a project to analyze and assess the effects of hydropower on Missouri's Niangua River from May 19 – August 2019.

KEY PERSONNEL RESUME

JULIE GIBBS-ALLEY
PROGRAM MANAGER – DUE DILIGENCE AND COMPLIANCE SERVICES
ENVIRONMENTAL OPERATIONS, INC.

Southern Illinois University of Edwardsville
BS- Biology 2005
Southern Illinois University of Edwardsville
MS-Environmental Science 2008

PROFESSIONAL CERTIFICATIONS:

- 40-Hour OSHA HAZWOPER
- Asbestos Building Inspector
- Certified SWPPP Inspector
- Special Inspector for Major Land Disturbances (St. Louis County)
- Certified Inspector for Geo-Seal Vapor Intrusion Barrier
- Certified in Official EPA Methods 9 and 22 (Opacity Readings)

PROFILE:

Ms. Gibbs-Alley has served as an Environmental Scientist at Environmental Operations, Inc. since May 2008. Ms. Gibbs-Alley is currently responsible for the management of Phase I Environmental Site Assessments (ESAs) and related scopes of environmental due diligence. She is certified as a SWPPP inspector for St. Louis County and also possesses stormwater sampling skills. Ms. Gibbs-Alley is also a certified inspector for the installation of vapor intrusion barriers.

EXPERTISE:

Ms. Gibbs-Alley specializes in the analysis of environmental issues affecting properties in accordance with ASTM standards for conducting environmental site assessments. This entails:

- Inspection of real estate for evidence of asbestos containing materials (ACMs), polychlorinated biphenyls (PCBs), hazardous materials, petroleum products, aboveground storage tanks (ASTs), underground storage tanks (USTs), and air and water emissions.
- Communicating with clients regarding their desired scope of work, as well as explaining findings and conclusions, and discussing recommendations for additional

investigations to reduce potential environmental liabilities.

- Reviewing previous environmental studies including Phase I ESAs, Phase II sampling and analysis, and Phase III remediation activities.
- Review and analysis of site history, regulatory databases, site physical setting, and federal, state, and local regulatory agency files.
- Design and management of Phase II sampling and analysis projects based on Phase I findings to qualify potential contaminants and to quantify the vertical and lateral extent of contamination.

RELEVANT EXPERIENCE:

Ms. Gibbs-Alley has completed Phase I ESAs, Phase II Subsurface Investigations, and Soil and Groundwater Remediation Projects on various types of properties, stormwater and non-stormwater sampling, and continually corresponds with regulatory agencies and clientele. Project involvement and management have been performed on various types of properties across the United States, including:

- Agricultural land
 - Automotive Maintenance facilities
 - Manufacturing plants
 - Residential properties
 - Retail Shopping Centers
 - Commercial offices
- for a variety of clients, including:
- Commercial Real Estate
 - REITS
 - National Food Service Corporations
 - National Financial Institutions
 - Wildlife Preservation Groups
 - Construction Firms
 - Regional Development Authorities
 - Churches/Charitable Organizations

SunCoke Energy, Granite City, Illinois
Weekly, monthly, and quarterly opacity readings from smoke stack and related equipment

Love's Travel Stops and Country Stores, St. Louis, Missouri
Quarterly and Annual Inspections and Completion of Reports for BMPs under MSD requirements

Appendix 16.13

Definitions

abandoned property – property that can be presumed to be deserted, or an intent to relinquish possession or control can be inferred from the general disrepair or lack of activity thereon such that a reasonable person could believe that there was an intent on the part of the current owner to surrender rights to the property.

activity and use limitations – legal or physical restrictions or limitations on the use of, or access to, a site or facility: (1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or ground water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure with the maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls, are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or ground water on the property.

actual knowledge – the knowledge actually possessed by an individual who is a real person, rather than an entity. Actual knowledge is to be distinguished from constructive knowledge that is knowledge imputed to an individual or entity.

adjoining properties – any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them.

aerial photographs – photographs taken from an aerial platform with sufficient resolution to allow identification of development and activities of areas encompassing the property. Aerial photographs are often available from government agencies or private collections unique to a local area.

all appropriate inquiry – that inquiry constituting “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice” as defined in CERCLA, 42 U.S.C §9601(35)(B), that will qualify a party to a commercial real estate transaction for one of threshold criteria for satisfying the LLPs to CERCLA liability (42 U.S.C §9601(35)(A) & (B), §9607(b)(3), §9607(q); and § 9607(r)), assuming compliance with other elements of the defense.

approximate minimum search distance – the area for which records must be obtained and reviewed pursuant to Section 8 subject to limitations provided in that section. This may include areas outside the property and shall be measured from the nearest property boundary. This term is used in lieu of radius irregularly shaped properties.

bona fide prospective purchaser liability protection – (42 U.S.C §9607(r)) – a person may qualify as a bona fide prospective purchaser if, among other requirements, such person made “all appropriate inquiries into the previous ownership and uses of the facility in accordance with generally accepted good commercial and customary standards and practices.” Knowledge of contamination resulting from all appropriate inquiry would not generally preclude this liability protection. A person must make all appropriate inquiry on or before the date of purchase. The facility must have been purchased after January 11, 2002.

Brownfields Amendments – amendments to CERCLA pursuant to the Small Business Liability Relief and Brownfields Revitalization Act, Pub. L. No. 107-118 (2002), 42 U.S.C. §§9601 *et seq.*

building department records – those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property. Often building department records are located in the building department of a municipality or county.

business environmental risk – a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations.

commercial real estate – any real property except a dwelling or property with no more than four dwelling units exclusively for residential use (except that a dwelling or property with no more than four dwelling units exclusively for residential use is included in this term when it has a commercial function, as in the building of such dwellings for profit). This term includes but is not limited to undeveloped real property and real property used for industrial, retail, office, agricultural, other commercial, medical, or educational purposes; property used for residential purposes that has more than four residential dwelling units; and property with no more than four dwelling units for residential use when it has a commercial function, as in the building of such dwellings for profit.

commercial real estate transaction – a transfer of title to or possession of real property or receipt of a security interest in real property, except that it does not include transfer of title to or possession of real property or the receipt of a security interest in real property with respect to an individual dwelling or building containing fewer than five dwelling units, nor does it include the purchase of a lot or lots to construct a dwelling for occupancy by a purchaser, but a commercial real estate transaction does include real property purchased or leased by persons or entities in the business of building or developing dwelling units.

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) – the list of sites compiled by EPA that EPA has investigated or is currently investigating for potential hazardous substance contamination for possible inclusion on the National Priorities List.

construction debris – concrete, brick, asphalt, and other such building materials discarded in the construction of a building or other improvement to property.

contaminated public wells – public wells used for drinking water that have been designated by a government entity as contaminated by hazardous substances (for example, chlorinated solvents), or as having water unsafe to drink without treatment.

contiguous property owner liability protection – (42 U.S.C. §9607(q)) – a person may qualify for the contiguous property owner liability protection if, among other requirements, such person owns real property that is contiguous to, and that is or may be contaminated by hazardous substances from other real property that is not owned by that person. Furthermore, such person conducted all appropriate inquiry at the time of acquisition of the property and did not know or have reason to know that the property was or could be contaminated by a release or threatened release from the contiguous property. The all appropriate inquiry must not result in knowledge of contamination, If it does, then such person did “know” or “had reason to know” of contamination and would not be eligible for the contiguous property owner liability protection.

controlled recognized environmental condition (CREC)- a *recognized environmental condition* resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or its equivalent, or meeting risk-based criteria established by the regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

CORRACTS list – a list maintained by EPA of hazardous waste treatment, storage, or disposal facilities and other RCRA-regulated facilities (due to past interim status or storage of hazardous waste beyond 90 days) that have been notified by the U.S. Environmental Protection Agency to undertake corrective action under RCRA. The CORRACTS list is a subset of the EPA database that manages RCRA data.

data failure – a failure to achieve the historical research objectives even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.

data gap – a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.)

demolition debris – concrete, brick, asphalt, and other such building materials discarded in the demolition of a building or other improvement to property.

drum – a container (typically, but not necessarily, holding 55 gal (208 L) of liquid) that may be used to store hazardous substances or petroleum products.

dry wells – underground areas where soil has been removed and replaced with pea gravel, coarse sand, or large rocks. Dry wells are used for drainage, to control storm runoff, for the collection of spilled liquids (intentional and non-intentional) and wastewater disposal (often illegal).

due diligence – the process of inquiring into the environmental characteristics of a parcel of commercial real estate or other conditions, usually in connection with a commercial real estate transaction. The degree and kind of due diligence vary for different properties and differing purposes.

dwelling – structure or portion thereof used for residential habitation.

engineering controls (EC) – physical modifications to a site or facility (for example, capping, slurry walls, or point of use water treatment) to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or ground water on the property. Engineering controls are a type of activity and use limitations.

environmental compliance audit – the investigative process to determine if the operations of an existing facility are in compliance with applicable environmental laws and regulations. This term should not be used to describe this practice, although an environmental compliance audit may include an environmental site assessment or, if prior audits are available, may be part of an environmental site assessment.

environmental lien – a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 U.S.C. §§9607(1) & 9607(r) and similar state or local laws.

environmental professional – a person meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b). The person may be an independent contractor or an employee of the user.

environmental site assessment (ESA) – the process by which a person or entity seeks to determine if a particular parcel of real property (including improvements) is subject to recognized environmental conditions. At the option of the user, an environmental site assessment may include more inquiry than that constituting all appropriate inquiry or, if the user is not concerned about qualifying for the LLP's, less inquiry than that constituting all appropriate inquiry. An environmental site assessment is both different from and less rigorous than an environmental compliance audit.

ERNS list – EPA's emergency response notification system list of reported CERCLA hazardous substances releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center. Notification requirements for such releases or spills are codified in 40 CFR Parts 302 and 355.

Federal Register, (FR) – publication of the United States government published daily (except for federal holidays and weekends) containing all proposed and final regulations and some other activities of the federal government. When regulations become final, they are included in the Code of Federal Regulations (CFR), as well as published in the Federal Register.

fill dirt – dirt, soil, sand, or other earth, that is obtained off-site, that is used to fill holes or depressions, create mounds, or otherwise artificially change the grade or elevation of real property. It does not include material that is used in limited quantities for normal landscaping activities.

fire insurance maps – maps produced for private fire insurance map companies that indicate uses of properties at specified dates and that encompass the property. These maps are often available at local libraries, historical societies, private resellers, or from the map companies who produced them.

good faith – the absence of any intention to seek an unfair advantage or to defraud another party; an honest and sincere intention to fulfill one's obligations in the conduct or transaction concerned.

hazardous substance – a substance defined as a hazardous substance pursuant to CERCLA 42 U.S.C. §9601(14), as interpreted by EPA regulations and the courts: “(A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title, (C) any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, 942 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C. §§6901 *et seq.*) has been suspended by Act of Congress), (D) any toxic pollutant listed under section 1317(a) of Title 33, (E) any hazardous air pollutant listed under section 112 of the Clean Air Act (42 U.S.C. §7412) and (F) any imminently hazardous chemical substance or mixture with respect to which the Administrator (of EPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).”

hazardous waste – any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of RCRA, as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C. §§6901-6992k) has been suspended by Act of Congress). RCRA is sometimes also identified as the Solid Waste Disposal Act. RCRA defines hazardous waste, at 42 U.S.C. §6903, as: “a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may – (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating, reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.”

hazardous waste/contaminated sites – sites on which a release has occurred, or is suspected to have occurred, of any hazardous substance, hazardous waste, or petroleum products, and that release or suspected release has been reported to a government entity.

historical recognized environmental conditions – an environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. The final decision rests with the environmental professional and will be influenced by the current impact of the historical recognized environmental condition on the property. If a past release of any hazardous substances of petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered an historical recognized environmental condition and included in the findings section of Phase I Environmental Site Assessment report. If this historical recognized environmental condition is determined to be a recognized environmental condition at the time the Phase I environmental Site Assessment is conducted, the condition shall be identified as such and listed in the conclusions section of the report.

IC/EC registries – databases of institutional controls or engineering controls that may be maintained by a federal, state or local environmental agency for purposes of tracking sites that may contain residual contamination and AUL's. The names for these may vary from program to program and state to state, and include terms such as Declaration of Environmental Use Restriction database (Arizona), list of "deed restrictions" (California), environmental real covenants list (Colorado), Brownfields site list (Indiana, Missouri, Pennsylvania).

innocent landowner defense – (42 U.S.C. §§9601(35) & 9607(b)(3)) – a person may qualify as one of three types of innocent landowners: (i) a person who "did not know and had no reason to know" that contamination existed on the property at the time the purchaser acquired the property; (ii) a government entity which acquired the property by escheat, or through any other involuntary transfer or acquisition, or through the exercise of eminent domain authority by purchase or condemnation; and (iii) a person who "acquired the facility by inheritance or bequest." To qualify for the first type of innocent landowner LLP, such person must have made all appropriate inquiry on or before the date of purchase. Furthermore, the all appropriate inquiry must not have resulted in knowledge of the contamination. If it does, then such person did "know" of "had reason to know: of contamination and would not be eligible for the innocent landowner defense.

institutional controls (IC) – a legal or administrative restriction (for example, "deed restrictions," restrictive covenants, easements, or zoning) on the use of, or access to, a site or facility to (1) reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or ground water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. An institutional control is a type of Activity and Use Limitation (AUL).

interviews - those portions of this practice that address questions to be asked of past and present owners, operators, and occupants of the property and questions to be asked of local government officials.

key site manager – the person identified by the owner or operator of a property as having good knowledge of the uses and physical characteristics of the property.

landfill – a place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term solid waste disposal site and is also known as a garbage dump, trash dump, or similar term.

Landowner Liability Protections (LLPs) – landowner liability protections under CERCLA; these protections include the bona fide prospective purchaser liability protection, contiguous property owner liability protection, and innocent landowner defense from CERCLA liability.

local government agencies - those agencies of municipal or county government having jurisdiction over the property. Municipal and county government agencies include but are not limited to cities, parishes, townships, and similar entities.

local street directories - directories published by private (or sometimes government) sources that show ownership, occupancy, and/or use of sites by reference to street addresses. Often local street directories are available at libraries, or historical societies, and/or local municipal offices.

LUST sites – state lists of leaking underground storage tank sites. RCRA gives EPA and states, under cooperative agreements with EPA, authority to clean up releases from UST systems or require owners and operators to do so.

major occupants – those tenants, subtenants, or other persons or entities each of which uses at least 40% of the leasable area of the property or any anchor tenant when the property is a shopping center.

material safety data sheet (MSDS) – written or printed material concerning a hazardous substance which is prepared by chemical manufacturers, importers, and employers for hazardous chemicals pursuant to OSHA's Hazard Communication Standard, 29 C.F.R. §1910.1200.

material threat – a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professions, is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank system that contains a hazardous substance and which shows evidence of damage. The damage would represent a material threat if it is deemed serious enough that it may cause or contribute to tank integrity failure with a release of contents to the environment.

National Contingency Plan (NCP) – the National Oil and Hazardous Substances Pollution Contingency Plan, found at 40 C.F.R. Part 300, that is the EPA's blueprint on how hazardous substances are to be cleaned up pursuant to CERCLA.

obvious – that which is plain or evident; a condition or fact that could not be ignored or overlooked by a reasonable observer while visually or physically observing the property.

occupants – those tenants, subtenants, or other persons, or entities using the property or a portion of the property.

operator – the person responsible for the overall operation of a facility.

other historical sources – any source or sources that are credible to a reasonable person and that identify past uses of the property. The term includes, but is not limited to: miscellaneous maps, newspaper archives, internet sites, community organizations, local libraries, historical societies, current owners or occupants of neighboring properties, and records in the files and/or personal knowledge of the property owner and/or occupants.

owner – generally the fee owner of record of the property.

petroleum exclusion – the exclusion from CERCLA liability provided in 42 U.S.C. §9601(14), as interpreted by the courts and EPA: “The term (hazardous substance) does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural liquid gas, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas.)”

petroleum products – those substances included within the meaning of the petroleum exclusion to CERCLA, 42 U.S.C. §9601(14), as interpreted by the courts and EPA, that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of 42 U.S.C. §9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). (The word fraction refers to certain distillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to Standard Definitions of Petroleum Statistics.)

Phase I Environmental Site Assessment – the process described in this practice.

physical setting sources – sources that provide information about the geologic, hydrogeologic, hydrologic, or topographic characteristics of a property.

pits, ponds, or lagoons – man-made or natural depressions in a ground surface that are likely to hold liquids or sludge containing hazardous substances or petroleum products. The likelihood of such liquids or sludge being present is determined by evidence of factors associated with the pit, pond, or lagoon, including, but not limited to, discolored water, distressed vegetations, or the presence of an obvious wastewater discharge.

practically reviewable – information that is practically reviewable means that the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the property without the need for extraordinary analysis of the irrelevant data.

property – the real property that is the subject of the environmental site assessment described in this practice. Real property includes buildings and other fixtures and improvements located on the property and affixed to the land.

property tax files – the files kept for property tax purposes by the local jurisdiction where the property is located and may include records of past ownership, appraisals, maps, sketches, photos, or other information that is reasonably ascertainable and pertaining to the property.

publicly available – information that is publicly available means that the source of the information allows access to the information by anyone upon request.

RCRA generators – those persons or entities that generate hazardous wastes, as defined and regulated by RCRA.

RCRA generators list – list kept by EPA of those persons or entities that generate hazardous wastes as defined and regulated by RCRA.

RCRA TSD facilities list – list kept by EPA of those facilities on which treatment, storage, and/or disposal of hazardous wastes takes place, as defined and regulated by RCRA.

reasonably ascertainable – information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable.

recognized environmental conditions – the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De Minimis conditions are not recognized environmental conditions

recorded land title records – records of historical fee ownership, which may include leases, land contracts, and AULs on or of the property recorded in the place where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located. (Often such records are kept by a municipal or county recorder or clerk.) Such records may be obtained from title companies or directly from the local government agency. Information about the title to the property that is recorded in a U.S. district court or any place other than where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located, are not considered part of recorded land title records.

records of emergency release notifications EPCRA – (42 U.S.C. §11004) – requires operators of facilities to notify their local emergency planning committee (as defined in EPCRA) and state emergency response commission (as defined in EPCRA) of any release beyond the facility's boundary of any reportable quantity of any extremely hazardous substance. Often the local fire department is the local emergency planning committee. Records of such notifications are "Records of Emergency Release Notifications" (42 U.S.C. 11004).

records review – the part that is contained that addresses which records shall or may be reviewed.

report – the written report prepared by the environmental professional and constituting part of a "Phase I Environmental Site Assessment," as required by this practice.

site reconnaissance – that part that addresses what should be done in connection with the site visit. The site reconnaissance includes, but is not limited to, the site visit done in connection with such a Phase I Environmental Site Assessment.

site visit – the visit to the property during which observations are made constituting the site reconnaissance section of this practice.

solid waste disposal site – a place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term landfill and is also known as a garbage dump, trash dump, or similar term.

solvent – a chemical compound that is capable of dissolving another substance and may itself be a hazardous substance, used in a number of manufacturing/industrial processes including but not limited to the manufacture of paints and coatings for industrial and household purposes, equipment clean-up, and surface degreasing in metal fabricating industries.

standard physical setting source – a current USGS 7.5 Minute Topographic Map (if any) showing the area on which the property is located.

standard practice – the activities set forth in this practice.

standard sources – sources of environmental, physical setting, or historical records specified in this practice.

state registered USTs – state lists of underground storage tanks required to be registered under Subtitle I, Section 9002 of RCRA.

sump – a pit, cistern, cesspool, or similar receptacle where liquids drain, collect, or are stored.

TSD facility – treatment, storage, or disposal facility (see RCRA TSD facilities).

underground injection – the emplacement or discharge of fluids into the subsurface by means of a well, improved sinkhole, sewage drain hole, subsurface fluid distribution system or other system, or groundwater point source.

underground storage tank (UST) – any tank, including underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10 % or more beneath the surface of the ground.

user – the party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The user has specific obligations for completing a successful application of this practice.

USGS 7.5 Minute Topographic Map – the map (if any) available from or produced by the United State Geological Survey, entitled “USGS 7.5 Minute Topographic Map,” and showing the property.

visually and/or physically observed – during a site visit pursuant to this practice, this term means observations made by vision while walking through a property and the structures located on it and observations made by the sense of smell, particularly observations made by the sense of smell, particularly observations of noxious or foul odors. The term “walking through” is not meant to imply that disabled persons who cannot physically walk may not conduct a site visit; they may do so by the means at their disposal for moving through the property and the structures located on it.

wastewater – water that (1) is or has been used in an industrial or manufacturing process, (2) conveys or has conveyed sewage, or (3) is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant. Wastewater does not include water originating on or passing through or adjacent to a site, such as stormwater flows, that has not been used in industrial or manufacturing processes, has not been combined with sewage, or is not directly related to manufacturing, processing, or raw materials storage areas at an industrial plant.

zoning/land use records – those records of the local government in which the property is located indicating the uses permitted by the local government in particular zones within its jurisdiction. The records may consist of maps and/or written records. They are often located in the planning department of a municipality or county.

Limited Site Investigation

Limited Site Characterization

Former General Services Building

February 20, 2024 | Project No. 15237437

101 General Services
Rolla, Missouri 65409

Prepared for:
Missouri S&T
115 General Services
1701 Spruce Drive
Rolla, Missouri 65409



Nationwide
Terracon.com

- Facilities
- Environmental
- Geotechnical
- Materials



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February 20, 2024
Missouri S&T
115 General Services
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Rolla, Missouri 65409

Attn: Bradley Clay
573-341-4888
bradleyclay@mst.edu

Re: Limited Site Characterization

Former General Services Building (GSB)
101 General Services
Rolla, Missouri 65409

Terracon Project No. 15237437

Dear Mr. Clay:

Terracon Consultants, Inc. (Terracon) is pleased to submit our report of Limited Site Investigation (LSI) activities completed at the site referenced above. Terracon conducted the LSI in general accordance with our proposal P15237437, dated December 8, 2023.

Terracon appreciates this opportunity to provide environmental consulting services to Missouri S&T. Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,
Terracon Consultants, Inc.

Elizabeth C. Miller, P.E.
Project Engineer

Karen T. Rieken, P.E.
Site Investigation Regional Manager

Enclosure

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APPENDIX A – EXHIBITS

Exhibit 1 – Topographic Map

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APPENDIX B – TABLES

Table Notes

Tables 1-3 – Soil Analytical Results Summary

Table 4 – Groundwater Analytical Results Summary

APPENDIX C – SOIL BORING LOGS

General Notes

United Soil Classification System

Borings Logs: B1 through B16

APPENDIX D – LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY

Limited Site Characterization

Former General Services Building (GSB)
101 General Services
Rolla, Missouri 56409

Terracon Project No. 15237437
February 20, 2024

1.0 Site Description and Background Information

| | |
|-------------------------|---|
| Site Name | Former General Services Building (GSB) |
| Site Address | 101 General Services, Rolla, Missouri |
| Site Description | This site is the former General Services Building, part of the Missouri S&T campus. The site is a former underground storage tank facility in the Missouri Department of Natural Resources (MDNR) storage tank database and on the MDNR EStart website. The registered site number with MDNR is ST0005229 and 8 tanks were removed in 1996. UST contents included gasoline, kerosene, and diesel fuels. MDNR issued a No Further Action letter for the tank closure on June 15, 1996. |

A Topographic Map showing the site location is included as Exhibit 1 and a Site Diagram indicating the sample locations is included as Exhibit 2 in Appendix A.

1.1 Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, express or implied, regarding the findings, conclusions, or recommendations. Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the scope of work agreed with you, our client, as reflected in our proposal and were not intended to be in strict conformance with ASTM E1903-19.

1.2 Additional Scope Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this LSI. Subsurface conditions may vary from those encountered at

specific borings or wells or during other surveys, tests, assessments, investigations, or exploratory services. The data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

1.3 Reliance

This report has been prepared for the exclusive use of Missouri S&T and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Missouri S&T and Terracon. Any unauthorized distribution or reuse is at Missouri S&T's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal, LSI report, and Terracon's Agreement for Services. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to Missouri S&T and all relying parties unless otherwise agreed in writing.

2.0 Scope of Services

This Limited Site Investigation (LSI) was undertaken at your request to assess potential environmental impacts to the on-site soil and groundwater that may be present as a result of the former USTs that were in use at the site. Please note that Terracon did not conduct a Phase I Environmental Site Assessment (ESA) and that the scope of services for this proposal is based solely on information provided by the client and in the MDNR tanks database, reviewed on November 16, 2023.

After the sampling event occurred, Terracon was provided with a copy of a Phase I Environmental Site Assessment conducted by Environmental Operations, Inc. (EOI) dated July 8, 2022. In the Phase I ESA, EOI identified three recognized environmental conditions (RECs). The RECs include the likelihood of hydraulic loading dock lift fluid leaking for a prolonged period of time and its presence in the underlying soil in unknown quantities, the high likelihood of staining being associated with the operation of an air compressor in the Facility Operations/General Services Building manufactured prior to 1979 and the released hydraulic oils associated with such machinery, and non-clean fill material's presence on the subject property. Further investigation was recommended for all three RECs. In addition to the RECs, EOI identified a release of approximately 200-gallons from an 20,000-gallon gasoline above ground storage tank (AST) in 1993. MDNR granted a No Further Action letter in August of 2007.

On MDNR's Environmental Site Tracking and Research Tool (eStart) website, the site is denoted as a Petroleum Tank Site with a NFA with restrictions. A copy of the August 2007 NFA letter is available through the same website, and the letter does not list restrictions and refers to only a gasoline spill.

A search of MDNR's Underground Storage Tank database identified that eight USTs have been removed from the facility. However, after discussions with both the Tank Section of MDNR and Lisa Loftis of the Missouri Petroleum Storage Tank Insurance Fund (PSTIF), these tanks may not have been associated with the site. According to PSTIF representative, the university has in the past use one address to register the tanks which they own, regardless of location.

The objective of the LSI was to evaluate the presence of chemicals of concern associated with the potential environmental impact that may be present as a result of the former USTs. The scope of services was not intended to identify every chemical possibly associated with the site. The proposed scope was not intended to determine the extent or magnitude of any existing release. Additionally, contaminant concentrations detected in samples collected during the LSI are not necessarily representative of average or maximum concentrations over the entire site.

This LSI report presents data from field activities that included the advancement of borings for the collection and analysis of soil samples for chemical analysis. The activities were conducted to assess potential impacts to environmental media from historical uses of the site and adjoining properties. The borings were advanced to a depth of 25 feet below ground surface (bgs) or refusal. The depth of the borings ranged from 4 to 25 feet bgs. Soil samples were analyzed for volatile organic compounds (VOCs) and total petroleum hydrocarbons (TPH) – gasoline range organics (GRO) by EPA method 8260, TPH- diesel range organic/oil range organics (DRO/ORO) and polycyclic aromatic hydrocarbons (PAHs) by EPA method 8270, and lead by EPA method 6010. The one water sample collected was located at B7 and was analyzed for VOCs, TPH-GRO, TPH-DRO/ORO, PAHs, and dissolved lead.

3.0 Field Investigation

3.1 Safety and Subsurface Utilities

Terracon is committed to the safety of all its employees. As such, and in accordance with our Incident and Injury Free® safety goals, Terracon conducted the fieldwork under a site-specific health and safety plan. The plan identified site-specific job hazards and proper pre-task planning procedures. Work was performed using U.S. EPA Level D work attire consisting of hard hats, high-visibility attire, safety glasses, protective gloves, and protective boots. Terracon contacted Missouri Dig Rite and requested location and marking for subsurface utilities that the service was responsible for before commencing intrusive activities at the site. Terracon also conducted a private utility locator survey prior to the start of field work for this project.

3.2 Media Sampling Discussion

A total of 16 soil borings were advanced at the site and converted to groundwater temporary sampling points utilizing (Industrial & Petroleum Environmental Services Inc. of Hallsville, Missouri). The sample locations were selected to assess the areas with the highest potential for detecting chemicals of concern based on the locations of potential sources (locations of previous USTs) and the presumed groundwater flow direction. Refer to the attached Site Diagram (Exhibit 2, Appendix A) for a depiction of the sample locations and pertinent site features.

Soil and groundwater samples were collected in laboratory-provided containers, properly labeled, and placed on ice in a cooler for transportation to the laboratory.

The samples and completed chain-of-custody forms were relinquished under chain of custody procedures to PACE, a NELAP certified laboratory located in Mount Juliet, Tennessee. Samples were submitted for analysis on standard turnaround time basis. The samples were analyzed using standard EPA or ASTM test methods, as detailed as previously discussed.

3.3 Field Procedures

3.3.1 Boring Advancement

Drilling services were performed by a State of Missouri licensed driller using a direct-push technology (DPT) drill rig on December 18 and 19, 2023. Oversight of the drilling activities was conducted by Ms. Liz Miller, a Terracon environmental professional. Soil samples were collected using 5-foot direct-push sampling tubes lined with dedicated polyvinyl chloride (PVC) liners.

3.3.2 Field Screening

Soil samples were collected continuously and were observed to document soil lithology, color, moisture content and sensory evidence of impairment. The soil samples were field-screened at 2 to 3-foot intervals using a photolization detector (PID) to indicate the presence of volatile organic compounds (VOCs). Terracon calibrated the PID in accordance with the manufacturer's recommendations before the field activities. The boring logs in Appendix C include the lithology and field screening results for each boring.

3.3.3 Media Sample Collection

3.3.3.1 Soil

Terracon's soil sampling program involved assigning two soil samples from each soil boring for laboratory analysis when there was enough material collected. One soil sample was collected from the surficial (0 to 3 feet bgs) strata and the second from the subsurface (greater than 3 feet bgs and above the groundwater table) from each soil boring. The soil sample collected from the interval exhibiting the highest PID reading and/or highest likelihood of a release based on the field professional's judgment in each soil boring was selected for the subsurface sample for laboratory analysis. If there was enough material, the second sample was obtained from the unsaturated zone below 3' from the interval with the highest PID reading. This sampling rationale was applied for soils in the unsaturated or vadose zone.

3.3.3.2 Groundwater

Terracon attempted to collect a groundwater sample from each temporary sampling point for laboratory analysis. Sufficient groundwater was not present in any of the temporary sampling points at the completion of drilling operations. Mr. Sean Mahoney, an environmental staff geologist, mobilized a second time on Thursday, December 28, 2024 (approximately 10 days after drilling). Prior to sample collection, each temporary sampling point was accessed for the presence of groundwater. Only one location contained enough groundwater to sample. This temporary sampling point, B7, was purged, and a groundwater sample was collected via disposable bailers for laboratory analysis.

3.4 Site Restoration

At the completion of field activities, Terracon abandoned the borings accordance with state regulations and guidelines. The borings were backfilled with bentonite pellets to near surface grade, hydrated, and then completed with surface materials to match the surrounding surface.

4.0 Field Investigation Results

4.1 Geology/Hydrogeology

The boring logs in Appendix C detail the observed soil stratigraphy. The lithology encountered at the site generally consisted of layers of gravelly silty clay from beneath the ground surface to depths ranging from 0-10 feet below grade surface (bgs). At that point the soil would become sandy silty until refusal. The static depth to groundwater obtained during groundwater sample collection at B7 was 14 feet below ground surface (bgs) and groundwater was not encountered at the remaining boring locations.

4.2 Field Screening

The field screening results are presented on the boring logs found in Appendix C.

PID readings ranging from less than 1.0 parts per million (ppm) to 34.6 ppm(B14) were measured in soil samples collected during the advancement of borings.

5.0 Laboratory Analytical Results

The laboratory analytical report and chain-of-custody records are attached in Appendix D. The following sections describe the results of the testing. The detection of an analyte at a concentration above a screening level does not necessarily indicate an adverse impact to human health or the environment; however, an exceedance of a screening level may indicate that additional investigation or action is warranted.

5.1 Comparative Data Standards

The laboratory analytical results were reviewed and compared to the Missouri Department of Natural Resources (MDNR) – Risk-Based Corrective Action (MRBCA) Default Target Levels (DTLs), November 2006, updated. DTLs are the most conservative chemical and medium specific concentrations that allow unrestricted use of the property. Because DTLs are the most conservative values, their application does not require evaluation of site-specific exposure pathways, the development of a conceptual site model, activity and use limitations, or the determination of whether groundwater is used or is likely to be used for domestic consumption. Sample results are compared to the DTLs in the tables located in Appendix B.

Because lead is a naturally-occurring metal, the MDNR allows for the comparison of soil results to typical background levels. During this investigation, lead was detected in soil samples above the DTLs. The MDNR has established a threshold below which concentrations can be presumed to be naturally-occurring or background. The threshold level is based on the county-specific average concentration plus two standard deviations. Consistent with MDNR guidance, Terracon utilized the following reference document: Tidball, Ronald R., Geography of Soil Geochemistry of Missouri Agricultural Soils: Geochemical Survey of Missouri, Geological Survey Professional Paper 954-H, 1984 and Phelps County data. For lead, the presumptive background level in Phelps County is 27.02 milligrams per kilogram (mg/kg).

Based upon our discussions with Missouri S&T, the lab data above the DTLs were compared to both the residential land use and non-residential land use risk-based target levels (RBTLs).

5.2 Quality Assurance/Quality Control

Refer to Appendix D for the Laboratory Analytical Report. The lab report contains additional information regarding the sample preparation, analysis and results that should be considered in the interpretation of the data. The sample for B5 was not received by the lab and therefore was not able to be analyzed.

Quality assurance/quality control (QA/QC) of laboratory analytical data was maintained using the following methods and procedures:

- Established reporting limits (RLs) with the laboratory that meet project Data Quality Objectives (DQOs);
- Laboratory QA/QC controls, such as laboratory control standard (LCS), matrix spike (MS), and matrix spike duplicate (MSD);
- One trip blank was shipped with the laboratory-supplied sampling containers and returned to the laboratory with the groundwater samples for each day of sampling. The trip blank was analyzed for VOCs.
- Collection of samples in laboratory provided containers;
- Chain-of-custody protocols;
- Storage and transportation of samples in secured, chilled containers (soil and groundwater).

5.3 Soil Sample Results

Two soil samples were collected from each of the borings, with the exception of B5. One soil sample was collected from B5 since refusal was encountered at 4 feet; however, this sample was misplaced during shipment to the laboratory, and as such, no analysis was performed on the soil at this location. One sample was collected from the surficial zone (depth less than 3 feet bgs). One sample was collected from the subsurface from the interval exhibiting the highest PID reading and/or highest likelihood of a release based on the field professional's judgment in each soil boring was selected for laboratory analysis.

Several VOCs, TPH-GRO/DRO/ORO, PAHs were present above the laboratory reporting limits but were present at concentrations less than their applicable MRBCA DTLs. VOC and PAH constituents exceeding their respective DTLs were further compared to the various risk-based target levels (RBTLs) in the table below. The only concentration which exceeded the Residential RBTLs was benzo(a)pyrene found at B8 0-3'. This concentration was below the Non-residential RBTL.

Samples above DTLs in milligrams per kilogram (mg/kg)

| Constituent | B8 (0-3) | B14 (10-13) | Res RBTL 0-3' | Res RBTL >3' | Non-Res RBTL 0-3' | Non-Res RBTL >3' | CW RBTL |
|-------------------------|------------|-------------|---------------|--------------|-------------------|------------------|---------|
| Benzene | <0.00132 | 0.131 | 177 | 0.378 | 763 | 1.98 | 1820 |
| Methyl-tert-butyl ether | <0.00132 | 0.635 | 3450 | 21.6 | 14900 | 113 | 165000 |
| Benzo(a)pyrene | 1.7 | <0.0443 | 0.620 | 225000 | 2.11 | 1180000 | 119 |

RES RBTL = Tier 1 Residential Risk-Based Target Level

Non-Res RBTL = Tier 1 Non-residential RBTL

CW RBTL = Construction Worker RBTL

Bold = exceeds Residential RBTL

Highlighted Yellow = exceeds Non-residential RBTL

The lead DTL was exceeded in each of the soil samples analyzed. Additionally, lead exceeded the MDNR allowable background concentrations in the following samples: B4 (0-3), B6 (0-3), B8 (0-3), B10 (0-3), and B12 (3-5). Although the lead concentration at these locations exceed the DTL and presumptive background concentrations, they were less than the residential RBTL of 260 mg/kg and the non-residential RBTL of 660 mg/kg.

5.4 Groundwater Sample Results

The groundwater analytical data and corresponding DTLs are summarized in Table 4 (Appendix B). The groundwater sample analyzed did not have constituents of concern present above the laboratory reporting limits.

6.0 Conclusions and Recommendations

Sampling in the presumed source area and beyond indicated that the constituents of concern are present above the DTLs in soil but less than the non-residential RBTLs. Terracon recommends that a Media Management Plan be developed and utilized at the site during the site redevelopment activities.

APPENDIX A – EXHIBITS

Exhibit 1 – Topographic Map

Exhibit 2 – Site Diagram

APPENDIX B – TABLES

Table 1 - Soil Analytical Results Summary

Table 2 - Groundwater Analytical Results Summary

APPENDIX C – SOIL BORING LOGS

**APPENDIX D – LABORATORY ANALYTICAL REPORT
AND
CHAIN-OF-CUSTODY**

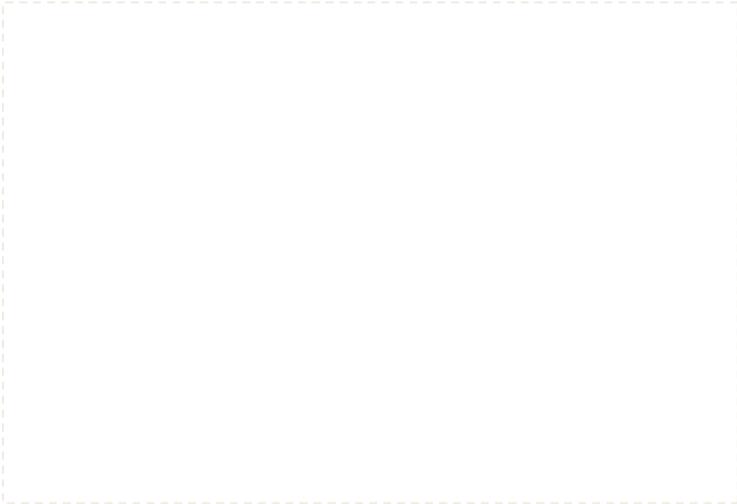
Media Management Plan

Media Management Plan

RC000209 Missouri Protoplex

July 16, 2024 | Project No. 15247121
101 General Services
Rolla, Missouri 65409

Prepared for:
Missouri S&T
115 General Services
1701 Spruce Drive
Rolla, Missouri 65409





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July 16, 2024

Missouri S&T
115 General Services
1701 Spruce Drive
Rolla, Missouri 65409

Attn: Bradley Clay
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bradleyclay@mst.edu

Re: Media Management Plan
RC000209 Missouri Protoplex
101 General Services
Rolla, Missouri 65409
Terracon Project No. 15247121

Dear Mr. Clay:

Terracon Consultants, Inc. (Terracon) is pleased to submit this Media Management Plan prepared for use by construction contractors during redevelopment of the referenced project. The purpose of the plan is to serve as a risk management advisory to developers and contractors and assist in protecting human health and the environment by providing a proposed approach for managing known environmental conditions at the property. This plan presents proposed methods and actions to be taken in the event impacted materials are discovered, and controls that should be implemented to manage the impacts.

This plan is intended as a supporting guide and does not function as a corrective action plan. It cannot be all inclusive or anticipate every future condition involving workers or construction involving onsite soils and groundwater. Rather, the plan serves as a risk management advisory to persons and contractors involved with redevelopment of the property.

Terracon appreciates this opportunity to provide environmental consulting services to Missouri S&T. Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,
Terracon Consultants, Inc.

Sean Mahoney
Staff Geologist

Karen T. Rieken, P.E.
Regional Site Investigation Manager

Enclosure

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APPENDIX A – EXHIBITS

SITE PLAN (from EOI Phase I ESA)

Exhibit 2 – Site Diagram from Terracon Limited Site Investigation

APPENDIX B – PCB Sample Results

APPENDIX C – EOI Phase I ESA

APPENDIX D – Terracon LSI

APPENDIX E - Landfill Profile Test Results

Media Management Plan

RC000209 Missouri Protoplex
101 General Services
Rolla, Missouri 56409

Terracon Project No. 15247121
July 16, 2024

1.0 Introduction

Terracon Consultants, Inc. (Terracon) has prepared this Media Management Plan (Plan) for Missouri S&T to support subsurface activities during a planned redevelopment at the above-referenced site.

2.0 Purpose

The purpose of this Plan is to serve as a risk management advisory to contractors and assist in protecting human health and the environment by providing a proposed approach for managing impacted soil and groundwater which may be present at the project site. Soil and/or groundwater contaminants may be present at the project site associated with the identified recognized environmental conditions (RECs) noted in Section 1, including on-site operations using hydraulic oil, transformer oil, and other petroleum products.

This Plan is intended to inform construction contractors and site workers of documented and potential conditionals and impacts. This Plan documents the suggested approach for managing known impacted media that may be encountered during future subsurface work at the Property. This Plan also presents proposed methods and actions to be taken in the event of discovery of unknown conditions and controls that can be implemented. The Plan identifies work practices to reduce the potential for exposure to impacted soil and groundwater to be present at the Property.

This Plan includes the following:

- A description of suspected contaminants at the Property
- Hazard recognition procedures
- Hazard response procedures
- A description of methods to be used to segregate impacted soil from unimpacted soil at the Property and to facilitate the proper disposition of impacted soils removed from the Property.
- A description of the site safety responsibilities and contingency actions to be implemented, if necessary, at the Property
- A description of management practices for impacted groundwater or storm water that requires treatment or disposal.

3.0 Description of Suspected Contaminants at the Property

Contractors performing excavation or other activities that may disturb environmental media at the Property have the right to know that the soil and groundwater are known to contain contaminants resulting from historical activities, including hydraulic lifts, compressors, underground storage tanks and fill material of unknown origin that contain low level petroleum impact in the eastern portion of the site.

Suspected contaminants at the property were observed from the previous environmental investigations. These investigations included:

- Environmental Phase I Environmental Site Assessment (ESA) July 8, 2022
- Polychlorinated Biphenyls (PCB) Sampling of Hydraulic Lift Areas
- Limited Site Investigation February 20, 2024

Various Volatile Organic Compounds (VOCs), metals, Total Petroleum Hydrocarbons (TPHs), and Polycyclic Aromatic Hydrocarbons (PAHs) were present at concentrations below the regulatory thresholds in soil; however, some VOCs and PAHs (specifically benzene, methyl-tert-butyl-ether, and benzo(a)pyrene) were above the most stringent unrestricted use threshold in soil. Only one groundwater sample was collected (due to insufficient groundwater during sampling) during the LSI and the constituents of concern were less than the laboratory reporting limits in this sample. See Section 3.4 for details regarding contaminants and their associated concentrations during the previous assessment.

3.1 Phase I Environmental Assessment

Environmental Operations, Inc. (EOI) performed a Phase I Environmental Site Assessment (ESA) dated July 8, 2022. The following three recognized environmental conditions (RECs) were identified.

- REC#1: "In the Dangerous Materials Storage Facility (DMSF), a hydraulic loading dock lift was noted at the building entrance. Staining was evident on the concrete underneath the lift. According to the subject site personnel, this concrete was installed within the last two (2) years. The lift is not original to the building, and though installation date is not known, it has been on site for an estimated at least three (3) decades. The cylinders were also recently replaced on the lift. The current concrete staining would represent a *de minimis* condition, however, based on the likelihood that the lift was leaking prior to the concrete being in place, hydraulic fluid may be present in the soil under the lift. The likelihood of this fluid leaking for a prolonged period of time and its presence in the underlying soil in unknown quantities represents a recognized environmental condition (REC) to the subject property. Further investigation is recommended."
 - REC #1 has been addressed via PCB surficial wipe sampling (see Section 3.2) and subsurface investigation for petroleum (see Section 3.4).
- REC #2: "In the mechanical room of the facility Operations/General Services Building, an air compressor was discovered of unknown manufacture/install date. Staining was evident in the

immediate vicinity of this air compressor. Though the air compressor appeared to be manufactured more recently than 1979 (the date which PCBs were banned from manufacture by the EPA), based on interviews with subject site personnel, an older air compressor previously occupied the same area, and the staining may have been attributed to the operation of the older air compressor. The high likelihood of this staining being associated with the operation of an air compressor manufactured prior to 1979 and the released hydraulic oils associated with such machinery represents a recognized environmental condition (REC) to the subject property. Further investigation is recommended."

- REC #2 has been addressed via PCB surficial wipe sampling (see Section 3.2) and subsurface investigation (see Section 3.4).
- REC #3: "An area of non-clean fill was noted in the northeastern portion of the subject property identified as the Outdoor Storage Area/Boneyard. According to information attained from site personnel, this fill is comprised of concrete, old brick, and unknown building materials, none of which has been tested. This fill material's presence on the subject property represents a recognized environmental condition (REC) to the subject property based on the nature of unknown substances comprising it. Further investigation is recommended."
 - REC #3 has been addressed via subsurface investigation (see Section 3.4). Additionally, a leaking transformer was noted in the area previously. The area was remediated with oversight from the Missouri Department of Natural Resources and as such, has been adequately addressed.

3.2 PCB Sampling

Missouri S&T performed PCB wipe sampling in the two areas identified by REC #1 and #2. These results are included in Appendix B. PCBs were not present in the wipe samples above the laboratory reporting limits. If the area beneath the project site is found to be impacted during redevelopment activities, the potentially impacted materials will be stockpiled and sampled for potential off-site disposal.

3.3 Landfill Disposal Sampling

Terracon mobilized to the site on October 26, 2023, and collected soil samples for landfill profiling when potentially impacted soils were encountered during demolition of the former General Services Building (GSB), as identified by the on-site contractors who indicated that there was a petroleum odor in the soil. Terracon collected three soil samples for analysis for landfill profiling. Additionally, the three samples were analyzed for VOCs. Low concentrations of VOCs were present in each of the three soil samples submitted for analysis; however, the concentrations were less than the Default Target Levels (DTLs). The sample results are included in Appendix E of this report. The impacted soils were excavated and disposed off-site.



3.4 Limited Site Investigation

Terracon advanced sixteen borings on the site in December 2023. Of note, Boring B4 was advanced in the area of known fill (REC #3), borings B7 and B11 were advanced adjacent to the boring that formerly housed REC #2 (this building had been demolished by this time), while borings B5 and B2 were advanced near the building that houses REC #1.

The laboratory analytical results were reviewed and compared to the Missouri Department of Natural Resources (MDNR) – Risk-Based Corrective Action (MRBCA) Default Target Levels (DTLs), November 2006, updated. DTLs are the most conservative chemical and medium specific concentrations that allow unrestricted use of the property. Because DTLs are the most conservative values, their application does not require evaluation of site-specific exposure pathways, the development of a conceptual site model, activity and use limitations, or the determination of whether groundwater is used or is likely to be used for domestic consumption. Sample results are compared to the DTLs in the tables located in Appendix B.

Because lead is a naturally occurring metal, the MDNR allows for the comparison of soil results to typical background levels. During this investigation, lead was detected in soil samples above the DTLs. The MDNR has established a threshold below which concentrations can be presumed to be naturally occurring or background. The threshold level is based on the county-specific average concentration plus two standard deviations. Consistent with MDNR guidance, Terracon utilized the following reference document: Tidball, Ronald R., Geography of Soil Geochemistry of Missouri Agricultural Soils: Geochemical Survey of Missouri, Geological Survey Professional Paper 954-H, 1984 and Phelps County data. For lead, the presumptive background level in Phelps County is 27.02 milligrams per kilogram (mg/kg).

Based upon our discussions with Missouri S&T, the lab data above the DTLs were compared to both the residential land use and non-residential land use risk-based target levels (RBTLs). Two soil samples were collected from each of the borings, with the exception of B5. One soil sample was collected from B5 since refusal was encountered at 4 feet; however, this sample was misplaced during shipment to the laboratory, and as such, no analysis was performed on the soil at this location. One sample was collected from the surficial zone (depth less than 3 feet bgs). One sample was collected from the subsurface from the interval exhibiting the highest PID reading and/or highest likelihood of a release based on the field professional’s judgment in each soil boring was selected for laboratory analysis.

Several VOCs, TPH- Gasoline Range Organics (GRO)/Diesel Range Organics (DRO)/Oil Range Organics (ORO), PAHs were present above the laboratory reporting limits but were present at concentrations less than their applicable MRBCA DTLs. VOC and PAH constituents exceeding their respective DTLs were further compared to the various risk-based target levels (RBTLs) in the table below. The only concentration which exceeded the Residential RBTLs was benzo(a)pyrene found at B8 0-3, This concentration was below the Non-residential RBTL.

Samples above DTLs in milligrams per kilogram (mg/kg)

| Constituent | B8 (0-3) | B14 (10-13) | Res RBTL 0-3' | Res RBTL >3' | Non-Res RBTL 0-3' | Non-Res RBTL >3' | CW RBTL |
|-------------|----------|-------------|---------------|--------------|-------------------|------------------|---------|
| | | | | | | | |



| | | | | | | | |
|-------------------------|----------|---------|-------|--------|-------|---------|--------|
| Benzene | <0.00132 | 0.131 | 177 | 0.378 | 763 | 1.98 | 1820 |
| Methyl-tert-butyl ether | <0.00132 | 0.635 | 3450 | 21.6 | 14900 | 113 | 165000 |
| Benzo(a)pyrene | 1.7 | <0.0443 | 0.620 | 225000 | 2.11 | 1180000 | 119 |

RES RBTL = Tier 1 Residential Risk-Based Target Level

Non-Res RBTL = Tier 1 Non-residential RBTL

CW RBTL = Construction Worker RBTL

Bold = exceeds Residential RBTL

Highlighted Yellow = exceeds Non-residential RBTL

The lead DTL was exceeded in each of the soil samples analyzed. Additionally, lead exceeded the MDNR allowable background concentrations in the following samples: B4 (0-3), B6 (0-3), B8 (0-3), B10 (0-3), and B12 (3-5). Although the lead concentration at these locations exceeds the DTL and presumptive background concentrations, they were less than the residential RBTL of 260 mg/kg and the non-residential RBTL of 660 mg/kg.

The groundwater analytical data and corresponding DTLs are summarized in Table 4 (Appendix B). The groundwater sample analyzed did not have constituents of concern present above the laboratory reporting limits.

Sampling in the presumed source area and beyond indicated that the constituents of concern are present above the DTLs in soil but less than the non-residential RBTLs.

4.0 Hazard Recognition Procedures

4.1 Contractor Notification

Contractors working at the Property will be notified that soil and groundwater on Property may have residual petroleum impact associated with the former on-site operations and equipment. Contractors and site workers will be informed that the concentrations of residual petroleum constituents that may be encountered are presumed to be low, although they may sometimes exhibit odors. Exposure, and thereby potential hazard, can be reduced if certain work practices/precautions are followed.

4.2 Worker Education and Safety

This Plan provides contractors information for use in complying with employer obligations such as employee right-to-know, worker safety, and other regulatory programs. It provides general guidelines for reducing potential exposures of workers to environmental media having chemical impact.

This Plan serves as an educational document for contractors and site workers involved with management of soil or groundwater on the Property. It is intended to instill in the mind of the reader the concept and value of media management and to provide contractors with knowledge of the potential contaminants of concern at the Property. The plan provides for an awareness of the conditions at the Property observed during previous environmental investigations.

This Plan is not intended for direct, unmodified use by employers to protect workers. Rather, it intends to provide general considerations and procedures for modification and incorporation by employers into their existing worker safety programs. Each employer is responsible for the health and safety of its own workers. This Plan may be used by contractors to support employee right-to-know for workers performing excavation or other activities that disturb impacted material.

4.3 Hazard Recognition

A key element of this Plan is to inform and educate contractors and their site workers to be alert for new or undiscovered conditions that could potentially pose chemical risk. This Plan provides for a process of observation and recognition to identify if subsurface conditions differ significantly from those observed during prior investigations. The Plan provides a process for qualitatively and quantitatively identifying whether the condition presents a potential hazard.

The anticipated hazard consists of petroleum constituents. Petroleum impact may be identified in soil or groundwater through:

- Visual identification
 - Observed as discolored soil that is inconsistent with other soils observed in the area.
 - Observed as a sheen on groundwater.
- Olfactory identification
 - Observed as a petroleum odor.

4.4 Changed Conditions

If chemical odors, debris, stained or saturated soils, a sheen on water in excavations, buried containers or other evidence (visual or olfactory) of potential chemical contamination are encountered during subsurface activities, contractors and site workers should stop work, leave the impacted area in place, and contact their health and safety manager.

The notifications for reporting discovery of contaminated soil or groundwater are as follows.

- General Contractor: Mark Kreikemeier (314)280-2167 (m) (636)561-9500 (o)
- Missouri S&T Representative: Brandon Rekus at (573)341-4403
- Terracon Project Manager – Karen Rieken: office: (314) 692-5597 (o) (636) 219-8093 (m)

A representative from the University will respond to the site with a photoionization detector (PID) to screen for Volatile Organic Compounds (VOCs). Representatives from Missouri S&T and Terracon will develop a plan to respond to the potential chemical contamination.

5.0 Hazard Response Procedure

Potentially impacted groundwater may be sampled in-place for potential disposal to public sewers and/or off-site disposal. If leaving impacted groundwater in-place will cause a construction schedule hinderance, the water may be pumped to drums or into a tank for analysis and temporary holding until disposal is coordinated.

Suspect soils should be isolated as soon as possible from contact and disturbance by rain and wind until laboratory results may be evaluated. Suspect soils should be placed on and covered with plastic sheeting. The plastic sheeting should be weighted down with planks or sandbags. Until the suspect materials are covered, construction flagging attached to laths can be used to prevent accidental movement of the materials during earthwork operations.

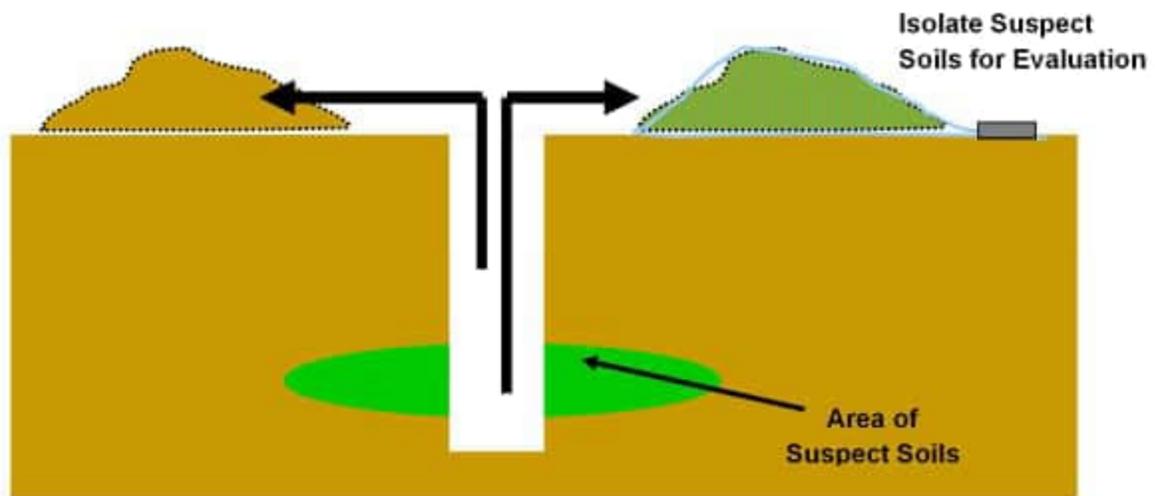


Figure 2 | Isolation of Suspect Soils

Apparently impacted environmental media exhibiting conditions differing to those described in this report should be further isolated from worker and public exposure. Special handling and care must be taken in sampling and transporting soil and groundwater samples for the laboratory tests to be accurate.

The workers who will be in physical contact with apparently impacted environmental media should have hazardous waste operations training consistent with OSHA's hazardous waste operations and emergency response (HAZWOPER) standard under 29 Code of Federal Regulations (CFR) 1910.120.

Terracon had soil from the site analyzed for typical landfill parameters to assist in landfill profiling during a previous mobilization and these results are included in Appendix E; however, for differing conditions, additional analysis of soil and/or groundwater impacted may be needed.

5.1 Solis Segregation and Disposal

Sections 5.2 and 5.3 provide procedures for contractors to control soil and groundwater suspected to contain residual contaminants. OSHA has established levels considered protective of human health

and the environment. For most chemicals, levels protective of construction workers are less stringent than the residential objectives.

The contractor's Project Manager (PM) is ultimately responsible for ensuring that work on this project is performed in accordance with the worker protection provisions contained in this Plan. The PM will monitor compliance with this Plan during field activities. All field team members engaged in project activities will be required to sign the Acknowledgment of Instruction form included with this Plan. The Acknowledgement of Instruction can be found immediately following Section 7. The PM will ensure that a copy of this Plan is available on site for the duration of project activities. The PM will maintain the Plan in the support vehicle or the project command center. This Plan pertains only to potential hazards presented by chemical impacts to soil and/or groundwater. This Plan does not address normal construction issues such as, but not limited to, trench safety.

5.2 Soil Management

In general, soils may be reused on the site. If excess soils are produced during redevelopment the soils should be sampled at a frequency identified by the chosen disposal facility, typically at a rate of one sample per 100 cubic yards; however, some landfills may require less frequency when presented with the laboratory analysis from samples already collected from the site (see Section 3.3 and 3.4).

The worker or contractor should exercise care in documenting and recording the location and original elevations of the source of soils relative to site grade and the property or impacted area boundaries (which are located in the vicinity of B8 and B14 in Exhibit 2. Do not distribute the soils on-site beyond the horizontal extent of the property or impacted area from which the soils were sourced, unless they are within a previously identified contamination area and/or unless documented to be "clean" by sampling and analytical testing.

The contractor should document (with accurate vertical and horizontal surveying/controls) to permanent construction records where and how much of this "clean" material was redistributed, and to where. These excess soil/fill produced by excavation and construction should be handled in accordance with the special disposal requirements identified above.

5.3 Groundwater Management

This MMP provides potential procedures to mitigate exposure to potentially impacted groundwater and/or stormwater that could be encountered during the dewatering activities. Impacted groundwater was not observed during the LSI. Options for the management, disposal and/or re-use of impacted subsurface groundwater is presented in Section 5.0 and later in this section. The procedures presented are intended to reduce potential for impacted groundwater to enter the municipal systems, reduce potential exposure to construction workers and building occupants during future operation of the site should impacted material be encountered that requires management.

Terracon has not been provided with a Dewatering Plan and based on Terracon's LSI, groundwater was only present at location B7, while not encountered at the other 15 locations.

During construction activities that have the potential to disturb impacted subsurface groundwater, an environmental professional must monitor and document the work completed for compliance with the requirements of this MMP.

Based on the typical construction practices, utility trenches or foundation excavations could encounter groundwater. Dewatering of excavations due to groundwater infiltration or stormwater flow into open excavations should comply with the guidance provided in this section of the Plan as well as a construction Stormwater Pollution Prevention Plan (SWPPP) for the project. Modifications to the SWPPP may be necessary to account for the diversion of stormwater from impacted environmental media. Construction activities should be sequenced to reduce the amount of excavation open at any given time to reduce the volume of water requiring management and disposal. Groundwater encountered during excavation activities or stormwater coming in contact with contaminated soil should be managed as potentially contaminated water as discussed below.

Groundwater or storm water entering an excavation that appears impacted (odor, color, located in an area identified as a REC) that requires removal to facilitate construction should first be sampled for the contaminants of concern at the site (VOCs, metals, TPHs, and PAHs) and for appropriateness for disposal to the local publicly owned treatment works (POTW). Please consult with your local POTW for their sampling requirements for discharge. This sampling can be taken from the water collected within the excavation prior to its removal. If time does not allow, then the excavation dewatering should be pumped to a portable holding tank. The contents of the tank should be sampled and tested to determine if contaminants are present (per above). Discharge of untested or untreated groundwater to the ground surface, storm sewer, or sanitary system is prohibited. Depending on the results of laboratory analysis, the accumulated water shall be either transported offsite for disposal at a licensed facility or discharged to the local POTW or to the ground surface in accordance with applicable National Pollution Discharge Elimination System (NPDES) permit requirements.

This Plan recognizes that site construction or maintenance activities may disturb impacted media at the Property and that activities might expose workers to the chemicals identified in soils and/or groundwater. This plan provides contractors and site workers with precautionary measures to recognize and address potential new discoveries at the Property, as noted in Section 7.0.

5.4 Routine Control

During routine operations involving soils at the property, contractor and site workers should use normal construction safety apparel required by their respective contractor's safety program, augmented with gloves and rubberized safety footwear or safety footwear with disposable latex covers to reduce soil contact during any work in vicinity of documented impact (currently near Soil Borings B8 and B14 from Terracon's LSI; located on the east-central portions of the property).

5.5 Dust Control Measures

Dust control measures should be employed throughout the Property to achieve no visible emissions. Personnel operating mobile equipment should be instructed to drive slowly to reduce dust generation. Low tipping of excavated loads and covering of soil stockpiles should be implemented to limit the generation of visible airborne dust. Use of a water spray unit to dampen surface materials should be considered if visible dust is generated during excavation and soil movement. Workers should avoid over-spraying the area to prevent runoff and muddy work surfaces.

5.6 Underground Excavation and Trenching

Vertical control of soils is important in areas of potential impact. The Plan recognizes the construction of utilities or other structures will disturb the vertical positions of soil if planned in these areas. The general rule will be to remove and stockpile soils by a last-out, first-in process in areas of low-level impact to keep potentially impacted soils in the strata for which they were originally assessed (unless stockpiling and additional sampling will be performed). For example, during excavation, soils in the upper three feet should be stockpiled to one side. These soils should be the last returned to the excavation during backfill. Similarly, soils removed from below three feet should be replaced first. This concept is presented in Figure 3.

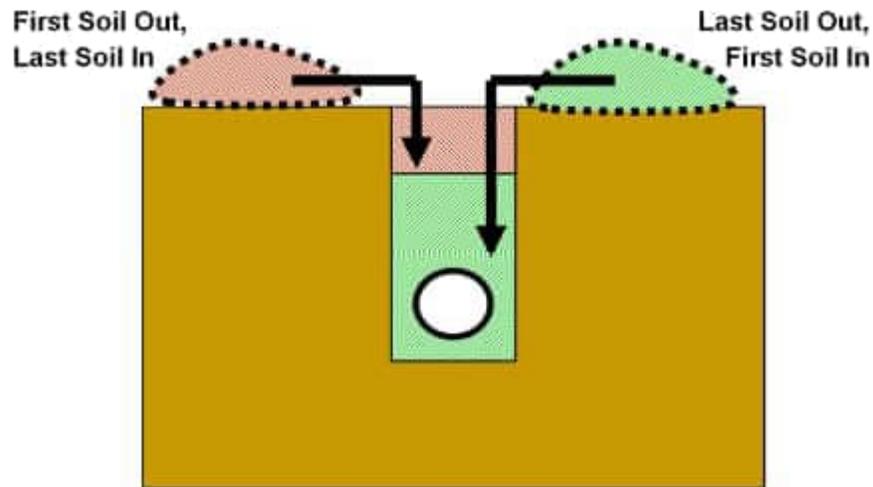


Figure 1 Last-Out – First-In

Concerns and methods for environmental handling of soils do not preclude or modify any of the OSHA requirements for worker safety incumbent upon contractors for regular site safety and trenching/excavation activities. OSHA requirements will dictate adjustment of the soil management method where necessary.

5.7 Waste Minimization

To the extent practical, measures should be taken to minimize the volume of excess soils, to limit the need for dewatering activities, and to prevent contact between stormwater and impacted soils. Excavations should be backfilled promptly to minimize exposure. The size or length of excavations should be controlled to allow for proper completion of immediately pending activities but should not be left open for extended periods with little or no activity.

Excavation areas should be protected from stormwater run-on by constructing soil berms or other diversionary structures on the upslope side of the area to direct water away from exposed soils and into proper stormwater conveyance structures. If necessary, stormwater detention areas can be constructed to allow for collection and transfer of unimpacted stormwater by pumping or other means around excavation areas.

6.0 Site Safety Responsibilities and Contingency Actions

Ingestion or inhalation of dusts impacted by the Property contaminants are considered the principal exposure pathways to contaminants that may be present in Property soils. Specifically, petroleum impact could be encountered throughout the site; however, it has been identified at low levels on the east side of the Property in the vicinity of borings B8 and B14 from the LSI. Accordingly, work practices must be employed to limit the generation of dust from open excavations in this area during site activities.

If visible dust in these areas is observed, the contractor should implement dust control and contact Terracon for further investigation and potential monitoring.

If obviously stained soils and/or unusual odors are encountered, additional monitoring instruments (e.g., photoionization detector) may be employed to assess the potential for unexpected contaminants and/or the need for additional worker safety.

6.1 Skin Protection

Contractors are responsible for identifying and providing appropriate personal protective equipment for their employees working at the Property. Personal protective equipment (PPE) must meet current American National Standards Institute/International Safety Equipment Association (ANSI/ISEA) standards. Workers who may come in contact with contaminated soils and/or groundwater should be provided with appropriate gloves (e.g., nitrile, neoprene rubber or Silver Shield outer gloves).

To minimize the potential for carrying contaminated soils off the Property from the designated area that could later be accidentally ingested by site workers or family members, especially children, it is suggested that clothing soiled onsite be changed at the Property or removed and laundered as soon as possible following each workday. Do not wear clothing soiled on the Property from the designated area until it has been laundered. Soiled clothing should be laundered separately from other articles of clothing.

6.2 Respiratory Protection

If total dust concentrations during soil disturbance cannot be controlled below the action level of 10 mg/m³ (if monitored via a dust sampling meter) and/or visible dust is observed and not controlled through work practices and dust control measures, it is recommended that site personnel upgrade to Level C PPE as follows:

- Half face air-purifying respirator equipped with P-100 cartridges.

6.3 Personal Hygiene

Site personnel are advised to use good personal hygiene practices during activities that disturb impacted media at the Property. Work gloves as outlined above should be worn, and hands, face, and

forearms should be washed with soap and water prior to eating, drinking, smoking, or using restroom facilities. Contractors and site workers should avoid chewing gum and tobacco, and refrain from any other behavior that could increase the possibility of hand-to-mouth transfer of potentially contaminated media. No eating, drinking, or smoking should take place in areas where construction or maintenance activities could expose impacted material.

6.4 Decontamination

Contractors should use brushes, shovels, etc. to conduct gross soil removal from equipment used to excavate or move apparently impacted soils at the Property. Decontamination with a high-pressure washer is recommended for equipment that has contacted obviously impacted soil and/or groundwater. Based on the concentrations of impact observed during investigation, containerizing of wash water is not anticipated. Personnel decontamination should consist of thorough washing of hands, forearms, and face before eating, drinking, or smoking. Gross soils should be removed from footwear before leaving the Property designated area. A full-body shower should be taken as soon as possible upon completion of the work shift in the designated area.

6.5 Impacted Aqueous Media

Due to the depth to groundwater, encountering groundwater with elevated levels of contaminants is not anticipated. If groundwater is encountered, the contractor will stop work. As the contaminants of concern are organic based, a photoionization detector will be utilized to measure the quantity of gases volatilizing off of the water. If an elevated level is encountered or an odor, the groundwater will be sampled and analyzed by an accredited laboratory. While awaiting results, the water will be removed from the area in which it was encountered, if possible, and stored within an above ground storage tank until results have determined the disposal method. If results state that the groundwater is not impacted, traditional construction methods for working within areas where groundwater is encountered will be utilized. If results determine elevated levels that do not allow for worker or environmental safety, the groundwater will be pumped from the aboveground storage tank and removed off site for appropriate disposal.

During rain events, if stormwater encounters soil with elevated levels of contaminants, the stormwater will be captured and stored on-site. Upon completion of the rain event, the water will be monitored for volatile organics utilizing a photoionization detector. If an elevated reading is collected, the stormwater will be sampled and analyzed by an accredited laboratory. If results state that the stormwater is not impacted, the stormwater will be released in an gradual manner as to not increase sediment loading as it leaves off-site. If elevated levels are present, the stormwater will be pumped for appropriate off-site disposal.

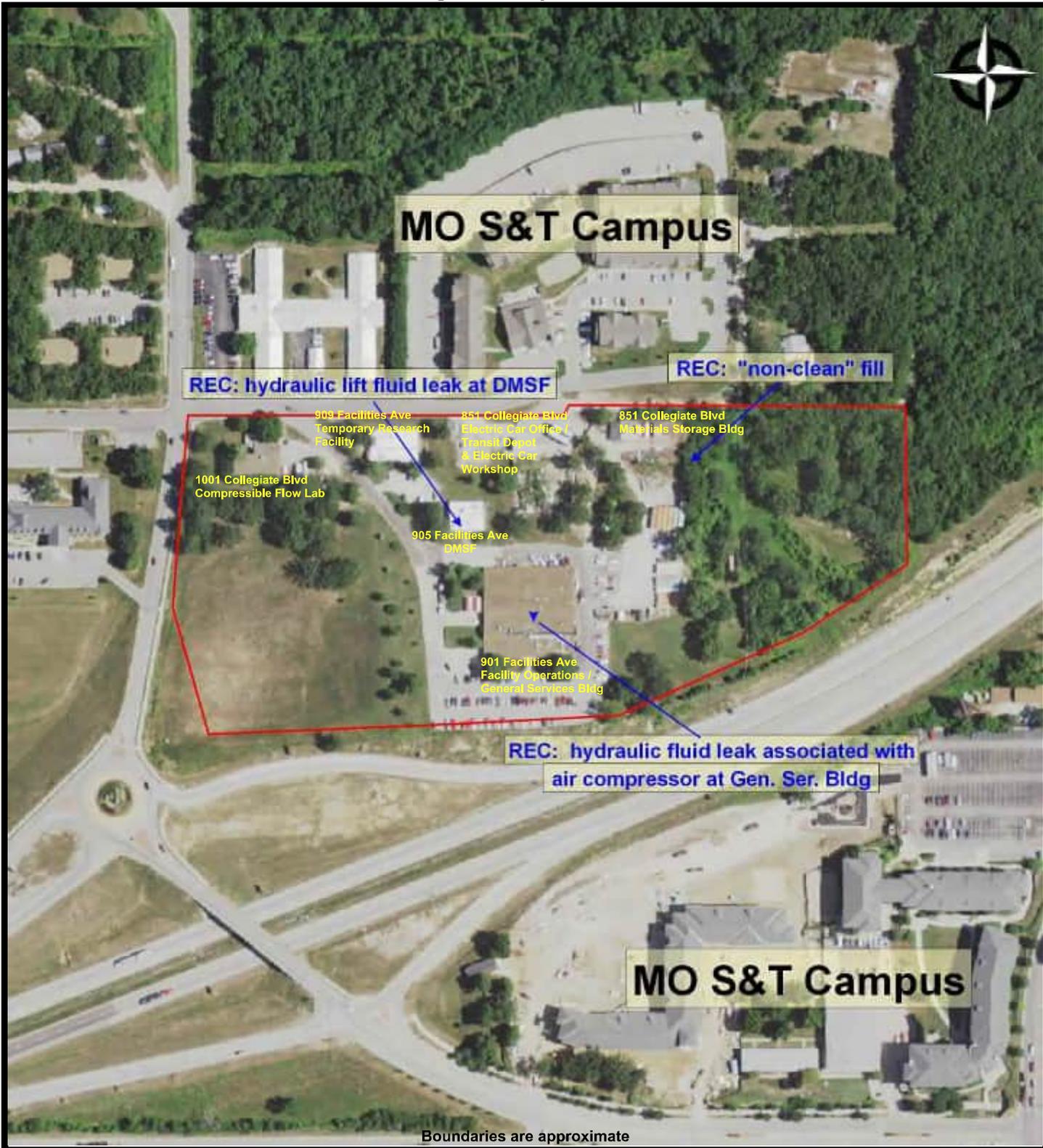
7.0 Summary

This Plan has been developed to inform contractors and site workers of the potential for encountering contaminated environmental media during subsurface activities at the Property. The concentrations of contaminants in soil and groundwater are expected to pose a limited health hazard to construction personnel via inhalation of contaminated dust or vapors and the accidental ingestion of soil or groundwater. The precautions included herein are intended to reduce the potential for adverse health



effects to personnel excavating and managing soil or groundwater at the Property. This Plan is intended to address the potential for health hazards due to exposure to contaminants previously identified. It is not intended as a comprehensive construction safety program. Contractors engaged in activities at the project are responsible for conducting site activities in accordance with federal, state, and local environmental and safety regulations.

APPENDIX A – EXHIBITS
SITE PLAN (from EOI Phase I ESA)
Exhibit 2 – Site Diagram from Terracon Limited Site
Investigation



SITE PLAN
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

| | |
|------------------|-----|
| Project Manager: | ECM |
| Drawn by: | VAH |
| Checked by: | ECM |
| Approved by: | ECM |

| | |
|-------------|----------|
| Project No. | 15237437 |
| Scale: | AS SHOWN |
| File Name: | Map |
| Date: | 12/20/23 |



11600 Lilburn Park Rd
Saint Louis, MO 63146-3535

SITE DIAGRAM

Former GSB
101 General Services
Rolla, MO

Exhibit

2

APPENDIX B – PCB Sample Results

**EMSL Analytical, Inc.**

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012357876**LIMS Reference ID:** AB57876**EMSL Customer ID:** UNIV51

July 05, 2023

Brandon Rekus
University Of MO [UNIV51]
900 Innovation Drive, Suite 200
Rolla, MO 65409

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 6/27/2023. The results are tabulated on the attached pages for the following client designated project:

GSB Demo

The reference number for these samples is EMSL Order #: AB57876 . Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact the lab at 856-858-4800.

A handwritten signature in blue ink, appearing to read "Owen McKenna", is positioned above a horizontal line.

Owen McKenna Laboratory Manager or other approved signatory

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EMSL Customer ID: UNIV51

Attention: Brandon Rekus
 University Of MO [UNIV51]
 900 Innovation Drive, Suite 200
 Rolla, MO 65409
 (573) 341-4403
 bprvm@mst.edu

Project Name: GSB Demo

Customer PO:
EMSL Sales Rep: Emily Stressman
Received: 06/27/2023 09:50
Reported: 07/05/2023 13:57

Sample Condition on Receipt

Cooler ID: Default Cooler **Temperature: 20.6 °C**

| | |
|------------------------|---|
| Custody Seals | Y |
| Containers Intact | Y |
| COC/Labels Agree | Y |
| Preservation Confirmed | Y |

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Project Name: GSB Demo

Customer PO:
EMSL Sales Rep: Emily Stressman
Received: 06/27/2023 09:50
Reported: 07/05/2023 13:57

Samples in this Report

| Lab ID | Sample | Matrix | Date Sampled | Date Received |
|---------------|---------------|---------------|---------------------|----------------------|
| AB57876-01 | 001 - PCB | Solid | 06/26/2023 | 06/27/2023 |
| AB57876-02 | 002 - PCB | Solid | 06/26/2023 | 06/27/2023 |

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 900 Innovation Drive, Suite 200
 Rolla, MO 65409
 (573) 341-4403
 bprtvm@mst.edu

Project Name: GSB Demo

Customer PO:
EMSL Sales Rep: Emily Stressman
Received: 06/27/2023 09:50
Reported: 07/05/2023 13:57

Sample Results

Sample: 001 - PCB
AB57876-01 (Solid)

| Analyte | Result | Q | DF | RL | Units | Prepared Date/Time | Analyzed Date/Time | Prep/Analyst Initials | Prep Method | Analytical Method |
|--|-----------------|----------|----|---------------|-------|--------------------|--------------------|-----------------------|-------------|-------------------|
| GC-SVOA | | | | | | | | | | |
| Aroclor-1016 | ND | | 1 | 0.25 | mg/kg | 06/27/23 11:47 | 06/29/23 18:51 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Aroclor-1221 | ND | | 1 | 0.25 | mg/kg | 06/27/23 11:47 | 06/29/23 18:51 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Aroclor-1232 | ND | | 1 | 0.25 | mg/kg | 06/27/23 11:47 | 06/29/23 18:51 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Aroclor-1242 | ND | | 1 | 0.25 | mg/kg | 06/27/23 11:47 | 06/29/23 18:51 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Aroclor-1248 | ND | | 1 | 0.25 | mg/kg | 06/27/23 11:47 | 06/29/23 18:51 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Aroclor-1254 | ND | | 1 | 0.25 | mg/kg | 06/27/23 11:47 | 06/29/23 18:51 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Aroclor-1260 | ND | | 1 | 0.25 | mg/kg | 06/27/23 11:47 | 06/29/23 18:51 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Aroclor-1262 | ND | | 1 | 0.25 | mg/kg | 06/27/23 11:47 | 06/29/23 18:51 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Aroclor-1268 | ND | | 1 | 0.25 | mg/kg | 06/27/23 11:47 | 06/29/23 18:51 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Surrogate(s) | Recovery | Q | | Limits | | | | | | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | 176% | SH | | 21-123 | | 06/27/23 11:47 | 06/29/23 18:51 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| <i>Surrogate: Decachlorobiphenyl</i> | 164% | SH | | 17-128 | | 06/27/23 11:47 | 06/29/23 18:51 | RAG/AxJ | SW846 3540C | SW 846-8082A |

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LIMS Reference ID: AB57876

EMSL Customer ID: UNIV51

Attention: Brandon Rekus
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 Rolla, MO 65409
 (573) 341-4403
 bprtvm@mst.edu

Project Name: GSB Demo

Customer PO:
EMSL Sales Rep: Emily Stressman
Received: 06/27/2023 09:50
Reported: 07/05/2023 13:57

Sample Results

(Continued)

Sample: 002 - PCB
AB57876-02 (Solid)

| Analyte | Result | Q | DF | RL | Units | Prepared Date/Time | Analyzed Date/Time | Prep/Analyst Initials | Prep Method | Analytical Method |
|--|-----------------|----------|----|---------------|-------|--------------------|--------------------|-----------------------|-------------|-------------------|
| GC-SVOA | | | | | | | | | | |
| Aroclor-1016 | ND | | 1 | 0.24 | mg/kg | 06/27/23 11:47 | 06/29/23 19:12 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Aroclor-1221 | ND | | 1 | 0.24 | mg/kg | 06/27/23 11:47 | 06/29/23 19:12 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Aroclor-1232 | ND | | 1 | 0.24 | mg/kg | 06/27/23 11:47 | 06/29/23 19:12 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Aroclor-1242 | ND | | 1 | 0.24 | mg/kg | 06/27/23 11:47 | 06/29/23 19:12 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Aroclor-1248 | ND | | 1 | 0.24 | mg/kg | 06/27/23 11:47 | 06/29/23 19:12 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Aroclor-1254 | ND | | 1 | 0.24 | mg/kg | 06/27/23 11:47 | 06/29/23 19:12 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Aroclor-1260 | ND | | 1 | 0.24 | mg/kg | 06/27/23 11:47 | 06/29/23 19:12 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Aroclor-1262 | ND | | 1 | 0.24 | mg/kg | 06/27/23 11:47 | 06/29/23 19:12 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Aroclor-1268 | ND | | 1 | 0.24 | mg/kg | 06/27/23 11:47 | 06/29/23 19:12 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| Surrogate(s) | Recovery | Q | | Limits | | | | | | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | 64% | | | 21-123 | | 06/27/23 11:47 | 06/29/23 19:12 | RAG/AxJ | SW846 3540C | SW 846-8082A |
| <i>Surrogate: Decachlorobiphenyl</i> | 65% | | | 17-128 | | 06/27/23 11:47 | 06/29/23 19:12 | RAG/AxJ | SW846 3540C | SW 846-8082A |

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LIMS Reference ID: AB57876

EMSL Customer ID: UNIV51

Attention: Brandon Rekus
 University Of MO [UNIV51]
 900 Innovation Drive, Suite 200
 Rolla, MO 65409
 (573) 341-4403
 bpirtvm@mst.edu

Project Name: GSB Demo
Customer PO:
EMSL Sales Rep: Emily Stressman
Received: 06/27/2023 09:50
Reported: 07/05/2023 13:57

Quality Control**GC-SVOA**

| Analyte | ResultQual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---------|------------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|
|---------|------------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|

Batch: BBF0519 - SW846 3540C**Blank (BBF0519-BLK1)**

Prepared: 6/27/2023 Analyzed: 6/29/2023

| | | | | | | | | | |
|-------------------|----|------|-------|--|--|--|--|--|--|
| Aroclor-1016 | ND | 0.25 | mg/kg | | | | | | |
| Aroclor-1016 [2C] | ND | 0.25 | mg/kg | | | | | | |
| Aroclor-1221 | ND | 0.25 | mg/kg | | | | | | |
| Aroclor-1221 [2C] | ND | 0.25 | mg/kg | | | | | | |
| Aroclor-1232 | ND | 0.25 | mg/kg | | | | | | |
| Aroclor-1232 [2C] | ND | 0.25 | mg/kg | | | | | | |
| Aroclor-1242 | ND | 0.25 | mg/kg | | | | | | |
| Aroclor-1242 [2C] | ND | 0.25 | mg/kg | | | | | | |
| Aroclor-1248 | ND | 0.25 | mg/kg | | | | | | |
| Aroclor-1248 [2C] | ND | 0.25 | mg/kg | | | | | | |
| Aroclor-1254 | ND | 0.25 | mg/kg | | | | | | |
| Aroclor-1254 [2C] | ND | 0.25 | mg/kg | | | | | | |
| Aroclor-1260 | ND | 0.25 | mg/kg | | | | | | |
| Aroclor-1260 [2C] | ND | 0.25 | mg/kg | | | | | | |
| Aroclor-1262 | ND | 0.25 | mg/kg | | | | | | |
| Aroclor-1262 [2C] | ND | 0.25 | mg/kg | | | | | | |
| Aroclor-1268 | ND | 0.25 | mg/kg | | | | | | |
| Aroclor-1268 [2C] | ND | 0.25 | mg/kg | | | | | | |

Surrogate(s)

| | | | | | | |
|---------------------------------|--|--------|--|--|----|--------|
| Surrogate: Tetrachloro-m-xylene | | 0.5000 | | | 63 | 21-123 |
| Surrogate: Decachlorobiphenyl | | 0.5000 | | | 77 | 17-128 |

LCS (BBF0519-BS1)

Prepared: 6/27/2023 Analyzed: 6/29/2023

| | | | | | | |
|--------------|------|------|-------|-------|----|--------|
| Aroclor-1016 | 3.78 | 0.25 | mg/kg | 5.000 | 76 | 37-120 |
| Aroclor-1260 | 3.96 | 0.25 | mg/kg | 5.000 | 79 | 45-121 |

Surrogate(s)

| | | | | | | |
|---------------------------------|--|--------|--|--|----|--------|
| Surrogate: Tetrachloro-m-xylene | | 0.5000 | | | 68 | 21-123 |
| Surrogate: Decachlorobiphenyl | | 0.5000 | | | 79 | 17-128 |

Matrix Spike (BBF0519-MS1)**Source: AB57886-09**

Prepared: 6/27/2023 Analyzed: 6/29/2023

| | | | | | | | |
|--------------|------|------|-------|-------|-------|----|--------|
| Aroclor-1016 | 2.70 | 0.25 | mg/kg | 5.000 | ND | 54 | 30-133 |
| Aroclor-1260 | 2.74 | 0.25 | mg/kg | 5.000 | 0.184 | 51 | 30-134 |

Surrogate(s)

| | | | | | | |
|---------------------------------|--|--------|--|--|----|--------|
| Surrogate: Tetrachloro-m-xylene | | 0.5000 | | | 51 | 21-123 |
| Surrogate: Decachlorobiphenyl | | 0.5000 | | | 56 | 17-128 |



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 Rolla, MO 65409
 (573) 341-4403
 bprtvm@mst.edu

Project Name: GSB Demo

Customer PO:
EMSL Sales Rep: Emily Stressman
Received: 06/27/2023 09:50
Reported: 07/05/2023 13:57

Quality Control
 (Continued)

GC-SVOA (Continued)

| Analyte | ResultQual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---------|------------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|
|---------|------------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|

Batch: BBF0519 - SW846 3540C (Continued)

Matrix Spike Dup (BBF0519-MSD1)

Source: AB57886-09

Prepared: 6/27/2023 Analyzed: 6/29/2023

| | | | | | | | | | |
|--------------|------|------|-------|-------|-------|----|--------|----|----|
| Aroclor-1016 | 3.53 | 0.25 | mg/kg | 5.000 | ND | 71 | 30-133 | 27 | 28 |
| Aroclor-1260 | 3.24 | 0.25 | mg/kg | 5.000 | 0.184 | 61 | 30-134 | 17 | 28 |

Surrogate(s)

| | | | | | | | | | |
|---------------------------------|--|--|--|--------|--|----|--------|--|--|
| Surrogate: Tetrachloro-m-xylene | | | | 0.5000 | | 62 | 21-123 | | |
| Surrogate: Decachlorobiphenyl | | | | 0.5000 | | 64 | 17-128 | | |

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted."

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EMSL Sales Rep: Emily Stressman
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Certified Analyses included in this Report

| Analyte | CAS # | Certifications |
|------------------------------|------------|------------------------------------|
| SW 846-8082A in Solid | | |
| Aroclor-1016 | 12674-11-2 | NJDEP,NYSDOH,PADEP,California ELAP |
| Aroclor-1221 | 11104-28-2 | NJDEP,NYSDOH,PADEP,California ELAP |
| Aroclor-1232 | 11141-16-5 | NJDEP,NYSDOH,PADEP,California ELAP |
| Aroclor-1242 | 53469-21-9 | NJDEP,NYSDOH,PADEP,California ELAP |
| Aroclor-1248 | 12672-29-6 | NJDEP,NYSDOH,PADEP,California ELAP |
| Aroclor-1254 | 11097-69-1 | NJDEP,NYSDOH,PADEP,California ELAP |
| Aroclor-1260 | 11096-82-5 | NJDEP,NYSDOH,PADEP,California ELAP |
| Aroclor-1262 | 37324-23-5 | NJDEP,NYSDOH,PADEP |
| Aroclor-1268 | 11100-14-4 | NJDEP,NYSDOH,PADEP |

List of Certifications

| Code | Description | Number | Expires |
|-----------------|--|----------|------------|
| MADEP | Massachusetts Department of Environmental Protection | M-NJ337 | 06/30/2023 |
| California ELAP | California Water Boards | 1877 | 06/30/2024 |
| A2LA | A2LA Environmental Certificate | 2845.01 | 07/31/2024 |
| AIHA LAP | EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-ELLAP Accredited | 100194 | 01/01/2025 |
| NJDEP | New Jersey Department of Environmental Protection | 03036 | 06/30/2023 |
| PADEP | Pennsylvania Department of Environmental Protection | 68-00367 | 11/30/2023 |
| NYSDOH | New York State Department of Health | 10872 | 04/01/2024 |
| CTDPH | Connecticut Department of Public Health | PH-0270 | 06/23/2023 |

Please see the specific Field of Testing (FOT) on www.emsl.com <<http://www.emsl.com>> for a complete listing of parameters for which EMSL is certified.

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Notes and Definitions

| Item | Definition |
|-------------|--|
| SH | Surrogate outside the control limits, biased high. There were no detections found in the sample. |
| [2C] | Reported from the second channel in dual column analysis. |
| DF | Dilution Factor |
| MDL | Method Detection Limit. |
| ND | Analyte was NOT DETECTED at or above the detection limit. |
| Q | Qualifier |
| RL | Reporting Limit |
| %REC | Percent Recovery |
| RPD | Relative Percent Difference |
| Source | Sample that was matrix spiked or duplicated |

Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.



EMSL ANALYTICAL, INC.

Environmental Chemistry Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Rt. 130 N
Cinnaminson, NJ 08077

PHONE: (800) 220-3675

EMAIL: EnvChemistry2@EMSL.com

A057876

| | | | | | | |
|-----------------------------|---|--|-----------------------|-------------------------|--|----------|
| Customer Information | Customer ID: <u>UNIV 51</u> | | | Billing ID: <u>Same</u> | | |
| | Company Name: <u>Missouri S-T</u> | | | Company Name: | | |
| | Contact Name: <u>Brandon Rekus</u> | | | Billing Contact: | | |
| | Street Address: <u>900 Innovation Drive</u> | | | Street Address: | | |
| | City, State, Zip: <u>Rolla MO 65401</u> | | Country: <u>US</u> | City, State, Zip: | | Country: |
| | Phone: <u>573 341 4403</u> | | | Phone: | | |
| Email(s) for Report: | | | Email(s) for Invoice: | | | |

Project Name/No: GSB Demo Purchase Order: _____

EMSL LIMS Project ID: _____ US State where samples collected: MO State of Connecticut (CT) must select project location: Commercial (Taxable) Residential (Non-Taxable)

Samples for Compliance? Yes No If Yes, for NPDES? Yes No Other (Specify): _____ PWS ID: _____ State Reporting Required? Yes No

Samples Collected by (Check One): EMSL CLIENT Samples Received Chilled? Yes No Sample(s) Temperature Upon Receipt (LAB ONLY): _____

Sampled By Name: Brandon Rekus Sampled By Signature: [Signature] No. of Samples in Shipment: _____

Turn-Around-Time (TAT) Standard Turn-Around-Time: 2 Weeks The following TAT's are subject to Lab approval. Call lab to confirm TAT before submittal: 1 Week 4 Days 3 Days 2 Days 1 Day

| Client Sample ID | Comp | Grab | Date / Time Collected | Matrix | Preservative | List Test(s) Needed (Write in test below, then check on sample line.) | | | | | | | | Comments | |
|--------------------|------|-------------------------------------|-----------------------|--|---|---|---------|---------|---------|---------|---------|---------|---------|----------|--|
| | | | | W=Water S=Soil A=Air SL=Sludge O=Other | 1 HCL 2 HNO3 3 H2SO4 4 ICE 5 Other <small>Describe below in Special Instructions</small> | Test 1: <u>PCB</u> | Test 2: | Test 3: | Test 4: | Test 5: | Test 6: | Test 7: | Test 8: | | |
| <u>1 001 - PCB</u> | | <input checked="" type="checkbox"/> | <u>6-26-23</u> | <u>O-Concrete</u> | | <input checked="" type="checkbox"/> | | | | | | | | | |
| <u>2 002 PCB</u> | | <input checked="" type="checkbox"/> | <u>6-26-23</u> | <u>O-Concrete</u> | | <input checked="" type="checkbox"/> | | | | | | | | | |

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Reporting Requirements: Results Only Results and QC Reduced Deliverables Hzresults EDD Excel Other (Describe Above) [Signature]

Method of Shipment: Fed Ex Sample Condition Upon Receipt: _____

| | | | |
|-------------------------------------|---------------------------|------------------------------------|--------------------------------|
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>6-26-23</u> | Received by: <u>[Signature] FX</u> | Date/Time: <u>6/27/23 9:50</u> |
| Relinquished by: | Date/Time: | Received by: | Date/Time: |

Controlled Document - COC-07 Chemistry R11 02/26/2021

AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

APPENDIX C – EOI Phase I ESA



PHASE I ENVIRONMENTAL SITE ASSESSMENT

**MISSOURI S & T
MR. BRANDON REKUS**

**MISSOURI S & T BUILDINGS
1001 COLLEGIATE BOULEVARD
ROLLA, MISSOURI**

PROJECT # 22494

Environmental Consulting, Engineering, Remediation, Abatement and Demolition
7733 Forsyth Boulevard Suite 1600 St. Louis, Missouri 63105 314.241.0900
www.environmentalops.com



July 8, 2022

Project #22494

Mr. Brandon Rekus
Missouri S & T
900 Innovation Drive, Suite 200
Rolla, Missouri 65401

The following is to transmit the results of Environmental Operations, Inc.'s Project #22494; Phase I Environmental Assessment Services for Missouri S & T. This assessment was completed on the Missouri S & T buildings located at 1001 Collegiate Boulevard in the City of Rolla, Phelps County, Missouri.

Questions concerning this report should be directed to Alexandria Algieri by phone at (314) 241-0900, by fax at (314) 436-2900 or by email at lexy@environmentalops.com.

Respectfully submitted,

Alexandria Algieri
Junior Project Manager

Julie Gibbs-Alley
Program Manager - Due
Diligence and Compliance
Services

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1. SUMMARY

Environmental Operations, Inc. performed a Phase I Environmental Site Assessment on the Missouri S & T buildings located at 1001 Collegiate Boulevard in the City of Rolla, Phelps County, Missouri. This assessment was conducted in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Practice E 1527-13 and the Scope of Work/Tasks outlined in Environmental Operations, Inc.'s Proposal, and in compliance with Title 40 of the Code of Federal Regulations Part 312 (40 CFR Section 312). Any exceptions to or deletions from these practices are outlined in the Assumptions and Limiting Conditions section of this report.

Located in an institutional and rural area of Rolla, Missouri, the subject site consists of approximately 15 acres of land and has been developed and occupied by Missouri S & T since at least 1963. Surrounding properties have been developed since approximately 1912 and have included small commercial properties and residences.

This assessment revealed no evidence of recognized environmental conditions (as defined by ASTM Practice E 1527-13) in connection with the subject property, except for the following:

- In the Dangerous Materials Storage Facility (DMSF), a hydraulic loading dock lift was noted at the building entrance. Staining was evident on the concrete underneath the lift. According to subject site personnel, this concrete was installed within the last two (2) years. The lift is not original to the building, and though installation date is not known, it has been on site for estimated at least three (3) decades. The cylinders were also recently replaced on the lift. The current concrete staining would represent a *de minimis* condition, however, based on the likelihood that the lift was leaking prior to the concrete being in place, hydraulic fluid may be present in the soil under the lift. The likelihood of this fluid leaking for a prolonged period of time and its presence in the underlying soil in unknown quantities represents a recognized environmental condition (REC) to the subject property. Further investigation is recommended.
- In the mechanical room of the Facility Operations/General Services Building, an air compressor was discovered of unknown manufacture/install date. Staining was evident in the immediate vicinity of this air compressor. Though the air compressor appeared to be manufactured more recently than 1979 (the date which PCBs were banned from manufacture by the EPA), based on interviews with subject site personnel, an older air compressor previously occupied the same area and the staining may have been attributed to the operation of the older air compressor. The high likelihood of this staining being associated with the operation of an air compressor manufactured prior to 1979 and the released hydraulic oils associated with such machinery represents a recognized environmental condition (REC) to the subject property. Further investigation is recommended.
- An area of non-clean fill was noted in the northeastern portion of the subject property identified as the Outdoor Storage Area/Boneyard. According to information attained from site personnel, this fill is comprised of concrete, old brick, and unknown building materials, none of which has been tested. This fill material's presence on the subject property represents a recognized environmental condition (REC) to the subject property based on the nature of unknown substances comprising it. Further investigation is recommended.

2. INTRODUCTION

2.1 Purpose

The purpose of this practice is to define good commercial and customary practice in the United States of America for conducting an *environmental site assessment* of a parcel of *commercial real estate* with respect to the range of contaminants within the scope of Comprehensive

Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. Section 9601) and *petroleum products*. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the *innocent landowner*, *contiguous property owner*, or *bona fide prospective purchaser* limitations on CERCLA liability (hereinafter, the "*landowner liability protections*," or *LLPs*): that is, the practice that constitutes *all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice: as defined at 42 U.S.C. Section 9601 (35)(B). (See Appendix X1 for an outline of CERCLA's liability and defense provisions.) Controlled substances are not included within the scope of this standard. Persons conducting an *environmental site assessment* as part of an EPA Brownfields Assessment and Characterization Grant awarded under CERCLA 42 U.S.C. Section 9604(k)(2)(B) must include controlled substances as defined in the Controlled Substances Act (21 U.S.C. Section 902) within the scope of the assessment investigations to the extent directed in the terms and conditions of the specific grant or cooperative agreement. Additionally, an evaluation of *business environmental risk* associated with a parcel of *commercial real estate* may necessitate investigation beyond that identified in this practice (see Sections 1.3 and 13).

2.2 Detailed Scope of Services

Generation and Evaluation of Property History

- Aerial photographs and United States Geological Survey (USGS) Maps, reasonably available through state and local agencies, will be reviewed to identify past site activities and other indicators of environmental concerns.
- Additional historical data will be obtained by evaluating, if available, interviews with prior occupants of the subject site and local public officials, review of construction permits, evaluation of local street directories, and examination of historical fire insurance maps.
- The history of the subject site will be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier. Use of properties in the surrounding area shall be identified to the extent that it is revealed during the course of the subject site's evaluation.

Physical Setting Evaluation

- Environmental Operations, Inc. will determine the general soil, stratigraphic, and groundwater conditions of the property. Such a determination may involve the review of United States Department of Agriculture (USDA) soil surveys, United States and State Geological Survey surficial and bedrock geology maps, United States Geological Survey (USGS) topographic maps, and interviews with State Geological Survey geologists.

Comprehensive Government Records Review

The following federal databases will be evaluated for information on potential environmental impairment for the subject property and properties located within the minimum search distance defined by ASTM E1527:

- Federal National Priorities List (NPL)
- Federal Resource Conservation and Recovery Act (RCRA) Corrective Action (CORRACTS) and non-CORRACTS Transportation, Storage, and Disposal (TSD) facilities list
- Federal Comprehensive Environmental Response, Compensation, and Liability Index System (CERCLIS)
- Federal RCRA generators list
- Federal Institutional Controls/Engineering Controls Registries
- Emergency Response Notification System (ERNS) and Misidentified sites

The following state databases or files will be evaluated for information on potential environmental impairment for the subject property and relevant nearby properties:

- State/tribal list of hazardous waste sites identified for investigation or remediation
- State/tribal Underground Storage Tanks (UST) list
- State/tribal Leaking Underground Storage Tank (LUST) list
- State/tribal landfill and/or solid waste disposal site lists
- State/tribal Institutional Controls/Engineering Controls Registries
- State/tribal Voluntary Cleanup Sites
- State/tribal Brownfield Sites

The following local authorities will be contacted, if appropriate, to evaluate information on potential environmental impairment of the subject property:

- Health Department
- Air Pollution Control
- Building Commissioner
- Sewer District
- Fire Marshal's Office
- Electric/Utility Company
- Emergency Planning/HAZMAT Control Office

Interviews with Owners and Occupants

The Key Site Manager and Major Occupants will be interviewed to obtain information concerning uses and condition of the property. The intent of the interviews will be to determine present or previous site information, which may indicate the release or threat of release of hazardous materials or petroleum products. Questions will be asked regarding relevant environmental documents, which may be available for review. Environmental Operations, Inc. will review and evaluate relevant previously completed reports. These may include the following:

- Asbestos Inspections
- Environmental Assessments
- Risk Evaluation Documents
- Boring Logs
- Closure Plans
- UST Removal Reports
- Environmental Permits
- Safety Plans
- SDSs
- Notices of Violation

On-Site Investigation of the Property and Its Improvements

- A thorough physical site examination will be conducted of the subject property, its improvements, and surrounding properties to identify indicators of the presence of a release or threat of releases of hazardous substances. The indicators may include stressed vegetation; stained or odorous soil or water; hazardous materials' containers [e.g.: pails, drums, aboveground storage tanks (ASTs), etc.]; waste handling, storage, and disposal practices; pits, lagoons, or surface impoundments; underground storage tanks (USTs); polychlorinated biphenyl (PCB) containing equipment and associated releases; open dumping; and asbestos containing materials (ACMs). Residential properties will be inspected for Lead Based Paint (LBP) or Mold issues that could represent a risk to human health.
- The inspections for ACMs, Mold, and LBP will focus on materials considered to be a potentially significant health hazard that can be identified through non-destructive measures. Suspect ACMs with pliable and binding matrices (e.g.: roofing felts, gasket materials, etc.) or suspect ACMs that do not have a high probability of containing asbestos (e.g.: drywall, hard plaster, masonry blocks, etc.) will not be evaluated unless unusual conditions exist. Samples will be collected from suspect materials that are considered a potential significant health, regulatory or economic concern.

Report Generation

Upon completion of the investigation, a written report will be submitted to the user, which will include the following:

- A Summary of the Findings of the Investigation
- Observations from the Site Visit
- Results of the Historical Search and Regulatory Review
- References
- Analysis of the Findings and Recommendations
- Future Testing and Remediation Recommendations (if required)
- Appendices of Supporting Documentation, including:
 - - Locator Topographic and Historical Maps
 - - Chain-of-Title (if any)
 - - Analytical Results (if any)
 - - Regulatory Documents
 - - Relevant Photographs

2.3 Significant Assumptions

The information in this report has been compiled from sources believed to be reliable. However, we cannot guarantee the accuracy of information supplied by others.

The inspector has visually assessed the subject property, both the land and improvements thereon, if any. It is impossible to personally observe conditions that may exist below the surface or that may be hidden within the structure of the improvements. Therefore, no representations are made regarding such matters unless they are specifically considered in this report.

2.4 Limitations and Exceptions

The *Scope of Work* outlined above has been designed to identify the presence of hazardous substances. Unless requested by the user or deemed necessary, this investigation will not include additional environmental issues such as wetlands, radon or formaldehyde gas, archaeological sites, lead-based paint (LBP), or lead in drinking water issues.

2.5 Special Terms and Conditions

The user recognizes that the company's failure to detect the presence of hazardous substances at a site does not guarantee that hazardous substances do not exist even though the company has utilized appropriate and mutually agreed upon sampling techniques and audit procedures. The liability of the company, its agents performing services under this proposal, including professional services, shall in no event exceed the amount of applicable insurance. A certificate of insurance is included in *Appendix 16.11, Proposal/Notice to Proceed*. The company shall not be liable for indirect, consequential, or incidental damages.

2.6 Reliance

The report is intended only for the internal use of the addressee or their authorized representative, and possession does not imply the right of publication or the use for any other purpose without the written consent of Environmental Operations, Inc. There are no other intended beneficiaries.

3. SITE DESCRIPTION

3.1 Location and Legal Description

The investigated site is the Missouri S & T buildings located at 1001 Collegiate Boulevard in

the City of Rolla, Phelps County, Missouri. The lot is irregular in shape and approximately 15 acres in size, with approximately 900 feet of frontage along the south side of Collegiate Boulevard.

According to the Phelps County Assessor's Office, the parcel locator number is 71-09-1.0-02-003-001-002.000.

3.2 Site and Vicinity General Characteristics

The subject site lies in an area generally characterized as institutional and rural. The surface is predominately level, with an overall downward slope to the north. It should be noted that surface slope is not necessarily representative of groundwater flow.

3.3 Current Use of the Property

The subject property is currently used by Missouri Science and Technology College (MO S&T) for the following:

- 1001 Collegiate Boulevard: Compressible Flow Lab, utilized for wind tunnel research
- 909 Facilities Avenue: Temporary Research Facility, utilized primarily for electrical and mechanical research
- 905 Facilities Avenue: Dangerous Materials Storage Facility (DMSF), used for 90-day temporary storage of hazardous materials
- 901 Facilities Avenue: Facility Operations/General Services Building: includes warehouse, auto maintenance shop, offices
- 851 Collegiate Boulevard: Electric Car Office/Transit Depot, Electric Car Workshop, and decommissioned Hydrogen Storage Area
- 821 Collegiate Boulevard: Materials Storage Building
- Outdoor Storage Area/Boneyard: stores transformers, substation cooling fans, metal machinery, various full shipping containers

3.4 Description of Subject Site Improvements

The subject property's major improvements include the seven (7) buildings listed below:

1001 Collegiate Boulevard

- Compressible Flow Lab: single-story building constructed on concrete slab. Exterior finishes include brick masonry and painted metal surfaces. Interior finishes include unfinished concrete floors, painted cinderblock walls, and painted metal ceilings. A small shed is also constructed adjacent to this building which houses the wind tunnel engine. The floors of this shed are concrete and the ceiling and walls are composed of insulated wood.

909 Facilities Avenue

- Temporary Research Facility: single-story building constructed on concrete slab. Exterior finishes include brick facia and painted metal surfaces. Interior finishes include concrete floors, unfinished and painted cinderblock walls, and painted metal ceilings.

905 Facilities Avenue

- Dangerous Materials Storage Facility (DMSF): single-story building constructed on concrete slab. Exterior finishes include brick masonry and painted wood and metal

surfaces. Interior finishes include painted concrete floors, painted cinderblock walls, and painted and exposed metal ceilings.

901 Facilities Avenue

- Facility Operations/General Services Building: single-story building constructed on concrete slab. Exterior finishes include brick facia, painted brick, and painted metal surfaces. Interior finishes include industrial carpet, vinyl tile, and unfinished and painted concrete floors; painted gypsum board, unfinished and painted cinderblock walls; and painted metal and 2x2' and 2x4' acoustical tile ceilings.

851 Collegiate Boulevard

- Electric Car Office/Transit Depot: two-story building constructed from shipping containers placed on concrete slab. Exterior finishes include painted metal surfaces. Interior finishes include wooden tile and vinyl tile floors; painted gypsum board and painted metal walls; and 2x4' acoustical tile, painted metal, and painted gypsum board ceilings.
- Electric Car Workshop: single-story building constructed on concrete slab. Exterior finishes include painted metal surfaces. Interior finishes include unfinished concrete floors, poly-vinyl insulated walls and ceilings with painted metal support beams.

821 Collegiate Boulevard

- Materials Storage Building: single-story building constructed on concrete slab. Exterior finishes include painted cinderblock and painted metal surfaces. Interior finishes include painted concrete floors, painted cinderblock walls, and painted concrete ceilings.

Heating is provided by both electric, forced air system and a natural gas, forced-air system. Cooling is provided by an electric, forced-air system. The City of Rolla supplies drinking water to the subject property from the municipal distribution system. Sanitary discharges on the subject property are discharged into the municipal sanitary sewer system, which is also serviced by the City of Rolla.

Minor improvements to the subject site include gravel areas in the outdoor storage area/boneyard, asphalt-paved surface parking and roads, and concrete-paved building access and roads throughout the subject property.

3.5 Current Uses of Adjoining Properties

Surrounding properties include:

| Direction From Site | Occupant | Use / Comments |
|---------------------|---|----------------|
| North | Cedar Pointe Skilled Nursing & Rehabilitation Center Miner Village (housing) | Mixed Use |
| South | Highway 44 University Commons (housing) | Mixed Use |
| East | Highway 44 Undeveloped | Mixed Use |
| West | Kappa Sigma Fraternity | Institutional |

Adjoining properties observed during the subject site inspection would not be expected to impact the subject site.

4. USER PROVIDED INFORMATION

4.1 Title Records

According to information provided by the user, no chain of title was available for review.

4.2 Environmental Liens or Activity and Use Limitations

According to the user, available regulatory and title records, and interviews with owners and occupants of the subject site, no environmental liens or Activity and Use Limitations (AULs) were in place at the subject property.

4.3 Specialized Knowledge

Interviews with owners and occupants of the subject site revealed no specialized knowledge of the subject site. Missouri S & T, for whom Environmental Operations, Inc. is conducting this inquiry, has indicated no specialized knowledge of the subject property.

4.4 Commonly Known or Reasonably Ascertainable Information

The user has not provided or made known to Environmental Operations, Inc. any commonly known or reasonably ascertainable knowledge of the subject property which would be indicative of a recognized environmental condition.

4.5 Valuation Reduction for Environmental Issues

The user has not identified or made known to Environmental Operations, Inc. any indication of a significantly lower purchase price from fair market value that would indicate the potential for a recognized environmental condition.

4.6 Owner, Property Manager, and Occupant Information

| | |
|--------------------------|----------------|
| Owner: | Missouri S & T |
| Property Manager: | Brandon Rekus |
| Occupant(s): | Missouri S & T |

4.7 Reason For Performing the Phase I Environmental Site Assessment

According to the user, this All Appropriate Inquiry - Phase I Environmental Site Assessment is being conducted to qualify for a Landowner Liability Protection to CERCLA liability.

5. RECORDS REVIEW

5.1 Standard Environmental Records Sources

According to the American Society for Testing and Materials (ASTM) Phase I Environmental Site Assessment standards, Federal National Priorities List (NPL) sites; Federal Resource Conservation and Recovery Act (RCRA) Corrective Action (CORRACTS) Treatment, Storage, and Disposal (TSD) facilities; and State/Tribal-Equivalent NPL sites were researched within a one-mile radius of the subject site. Also in accordance with ASTM standards, Federal Comprehensive Environmental Response, Compensation, and Liability Index System (CERCLIS) sites; Federal RCRA non-CORRACTS TSD facilities; State-Equivalent CERCLIS sites, State/Tribal Landfill and/or Solid Waste Disposal sites, State/Tribal Leaking Underground Storage Tanks (LUST) sites, State/Tribal Voluntary Clean-Up, State/Tribal Brownfields sites were researched within a half-mile radius of the subject site. According to ASTM standards, Federal RCRA Generator sites, Federal Emergency Response Notification Systems (ERNS) sites, Federal Tribal Lands, State/Tribal Registered Underground Storage Tanks (UST) sites were researched for the subject site and adjoining properties. State/Tribal Institutional Controls, State/Tribal Engineered Controls, and Federal Institutional Controls/Engineered Controls were

researched for the subject site only. Descriptions of the databases are included in *Appendix 16.7, Regulatory Database*.

5.1.1 Review of Federal Files

A review of the above Federal files, as determined by the radius search, identified the following:

Detail Summary

| | |
|-------------------|---|
| Site Name: | MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY |
| Databases: | CORRACTS, RCRA-TSDF, RCRA-LQG |
| Address: | 905 FACILITIES AVE |
| Distance: | Subject property |
| Direction: | |
| Elevation: | |
| Comments: | The subject property is listed on the CORRACTS, RCRA-TSDF, and RCRA-LQG databases and is further discussed in the Hazardous Materials and Petroleum Products Management section of this report. |

Several additional Federal listings were identified in the regulatory database, however, based on the historical research, subject site inspection observations, the regulatory research, and the distance from the subject site, these sites would not be expected to represent a recognized environmental condition for the subject site.

A copy of this review is included in *Appendix 16.7*.

5.1.2 Review of State Files

Several State files were identified in the regulatory database, however, based on the historical research, subject site inspection observations, the regulatory research, and the distance from the subject site, these sites would not be expected to represent a recognized environmental condition for the subject site.

A copy of this review is included in *Appendix 16.7*.

5.2 Additional Environmental Record Sources

No previous environmental reports on the subject site or surrounding properties were presented for review. No evidence of previous environmental investigations on the subject site or surrounding properties was discovered during this environmental assessment.

5.3 Physical Setting

Soils

Soils in the vicinity of the subject site consist primarily of the Useful component. These soils have layers that impede the downward movement of water, or are soils with moderately fine or fine textures. Typically, the surface layer is a silt loam consisting of about 7 inches thick. The substratum to a depth of about 53 inches is silty clay, and below that to 59 inches is bedrock. The bedrock normally lies greater than 71 inches below the surface level. The hydrologic group is Class C, with slow infiltration rates. These are moderately well drained soils. The depth to the water table is greater than 69 inches. This soil does not meet the requirements for a hydric soil.

Stratigraphy

According to information supplied by the Site Assessment Report, the general stratigraphy of the subject site is characterized by the Lower Ordovician (Canadian) Series of the Ordovician System in the Paleozoic Era. The rock formation is comprised of a stratified sequence.

Groundwater

The apparent direction of shallow groundwater flow may be determined by the natural topography of the region. According to the Environmental Data Resources (EDR) Topographic Map Report and the subject site inspection, the general topography of the subject site slopes downwardly to the general North. Accordingly, unconfined groundwater in the area of the subject site may be expected to flow in a northern direction. However, it should be noted that extensive cutting and filling that characterizes developed areas could alter the expected flow of unconfined groundwater.

5.4 Historical Use Information on the Property and Adjoining Properties

5.4.1 Fire Insurance Map Review

According to EDR/Sanborn, Sanborn Fire Insurance Maps are not available for the subject site. This would not be considered unusual due to its distance from historically or densely developed portions of the state.

5.4.2 Street Directory Review

City directories were obtained from EDR on May 26, 2022 for the years 2017, 2014, and 2010. These directories were reviewed by EOI personnel on June 20, 2022. These directories revealed the following information regarding the subject property and surrounding properties:

Summary

| Date | Subject Property Comments | Surrounding Property Comments |
|-------------|----------------------------------|--|
| 2017 | No Subject Property Listed | Large Residential Property (900 Collegiate Blvd) |
| 2014-2010 | No Subject Property Listed | Residential Properties (Collegiate Blvd Addresses) |

5.4.3 Building Permit Documents Review

A Freedom of Information Act (FOIA) request was sent to Rolla City Clerk regarding city building permits review. This FOIA response revealed no additional information that would be expected to represent a significant environmental liability to the subject property.

5.4.4 Aerial Photograph Review

Aerial photographs were obtained from the EDR Aerial Photo Decade Package for the years 2016, 2012, 2009, 2006, 1995, 1992, 1983, 1976, 1964, 1962, 1959, and 1956. These aerial photographs were obtained from EDR on May 25, 2022. The aerials photographs were reviewed by EOI personnel on June 20, 2022. The following tables describe the review of these photos. It should be noted that the quality of the photographs from EDR are generally poor, making detailed description difficult. These photographs identified no surface features of concern on or adjoining the subject property. Copies of these maps are included in *Appendix 16.5, Aerial Photographs*.

Summary

| Date | Subject Property Comments | Surrounding Property Comments |
|-------------|---|---|
| 2016-2006 | Institutional and Surface Parking | North and West: Commercial, Residential, Surface Parking, and Undeveloped South and East: Commercial, Residential, and Surface Parking |
| 1995-1983 | Institutional, Surface Parking, and Undeveloped | North and West: Commercial, Residential, Surface Parking, and Undeveloped South and East: Commercial, Residential, and Surface Parking |
| 1976 | Institutional, Surface Parking, and Undeveloped | North: Residential and Undeveloped South and East: Commercial, Residential, and Surface Parking West: No Coverage |
| 1964 | Institutional, Surface Parking, and Undeveloped | North: Undeveloped South: Commercial, Residential, and Surface Parking East and West: Residential and Undeveloped |
| 1962-1956 | Undeveloped | North: Residential and Undeveloped South: Commercial, Residential, and Surface Parking East: Residential and Undeveloped West: Commercial, Residential, Surface Parking, and Undeveloped |

5.4.5 Topographic Map Review

The EDR Topographic Map Report was reviewed for the subject property and surrounding properties. The maps reviewed were dated 2017, 2015, 2004, 1992, 1985, 1980, 1976, 1963, 1951, and 1912. These topographic maps were obtained from EDR on May 25, 2022. The topographic maps were reviewed by EOI personnel on June 20, 2022. These maps revealed that the subject property and surrounding properties are located in an urban area where buildings are denoted. The subject property is developed by buildings in the 2004, 1992, 1985, 1980, 1976, and 1963 maps. Surrounding properties are developed by buildings in the 2015, 2004, 1992, 1985, 1980, 1976, 1963, 1951, and 1912 maps. According to these topographic maps, the surface topography in the area of the subject property slopes downwardly to the general North. These maps identified no surface features of concern on or adjoining the subject property. Copies of these maps are included in *Appendix 16.6, Historic Topographic Maps*.

5.4.6 History Summary

Subject Property History Summary

Based on available historical information reviewed, the subject site has been institutionally developed since at least 1963. The subject site has been occupied by Missouri University of

Science and Technology. Missouri University of Science and Technology is further discussed in the *Hazardous Materials and Petroleum Products Management* section of this report. Prior to institutional development, the site was undeveloped from at least 1912 to 1956.

Surrounding Property History Summary

Based on available historical information reviewed, surrounding properties have been residentially and commercially developed since at least 1912. Surrounding properties have included small commercial properties and residences. No evidence was discovered during the historical research that would indicate that previous uses of surrounding properties would represent a recognized environmental condition to the subject property.

5.5 Vapor Encroachment Evaluation

Environmental Operations, Inc. performed a Vapor Encroachment Screen on the Missouri S & T buildings located at 1001 Collegiate Boulevard in the City of Rolla, Phelps County, Missouri. This assessment was conducted using Tier 1 "non-invasive" screening in conformance with the American Society for Testing and Materials (ASTM) Practice E2600-10 "Standard Practice for Assessment of Vapor Intrusion into Structures on Property Involved in Real Estate Transactions." Historical and regulatory information (orphan summary) identified no evidence of potential Vapor Encroachment Conditions (pVEC) in connection with the subject site or adjoining properties. A copy of this report is included in *Appendix 16.8, Vapor Encroachment Screen*.

6. SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

Ms. Alexandria Algieri of Environmental Operations, Inc. conducted a subject site inspection June 15, 2022, between 0900 and 1345 hours. The entire subject property and all subject buildings were available for inspection. Mr. Brandon Rekus of Missouri S&T accompanied Ms. Algieri during this subject property inspection. The following is an evaluation of issues noted during this subject property inspection, the historical research, and the regulatory research.

6.2 Site Visit Findings

6.2.1 Polychlorinated Biphenyls (PCBs)

During the site inspection, the following active transformers, air compressors, and hydraulic machinery were noted on the subject property:

- Compressible Flow Lab: one (1) air compressor manufactured in 1987
- Dangerous Materials Storage Facility (DMSF): one (1) hydraulic loading dock lift, further discussed in *Section 6.2.2, Hazardous Materials and Petroleum Products Management*
- Facility Operations/General Services Building: one (1) above-ground automotive lift, no staining or release evident; one (1) air compressor of unknown manufacture/installation date, further discussed in *Section 6.2.2, Hazardous Materials and Petroleum Products Management*
- Outdoor Storage: three (3) pad-mounted transformers east-adjacent to Facility Operations/General Services Building, no staining or release evident
- Materials Storage Building: two (2) pad-mounted transformers west-adjacent to the building, no staining or release evident
- Temporary Research Facility: one (1) pad-mounted transformer southeast-adjacent to the building, one (1) air compressor of unknown manufacture/installation date, one (1) indoor pad-mounted transformer; no staining or release evident in the vicinity of any of this equipment

According to the EPA, PCBs were manufactured between 1929 and 1979 and used extensively in many applications such as coolants in hydraulic systems and as dielectric fluids in electrical equipment. Most manufacturing, processing, distribution in commerce, and use of PCBs was banned under TSCA after 1979. However, PCBs may still be present in products and materials produced before 1979 (including oil used in motors and hydraulic systems). Oil-filled transformers have been tested for PCBs only if they are labeled non-PCB. Federal regulations require that a PCB concentration of 50-499 parts per million is assumed. No evidence of a release from these transformers was noted on the day of the inspection.

No other compressors or other electrical or hydraulic equipment suspected of containing PCBs were identified in the subject buildings or on the subject property. During this subject property inspection, no oil stains were noted in the subject buildings or on the subject property that may have indicated prior releases of PCBs, unless otherwise noted as being further discussed in *Section 6.2.2, Hazardous Materials and Petroleum Products Management*. Oil stains observed in the parking area were considered typical of vehicle releases. Therefore, these stains would not be expected to represent a recognized environmental condition for the subject property. No other evidence of potential PCB contamination was noted on the day of this subject property inspection.

6.2.2 Hazardous Materials and Petroleum Products Management

The subject property, identified as Missouri University of Science and Technology (MO S&T), located at 905 Facilities Avenue, is listed on the regulatory database as a RCRA large quantity generator (LQG); a RCRA treatment, storage, or disposal facility (TSDF); and a CORRACTS facility subjective to federal corrective action. During the site inspection, documentation was reviewed on-site regarding these regulatory listings:

- As a RCRA-LQG, MO S&T produced corrosive, reactive, flammable, ignitable, and radioactive lab waste, which was stored in the Dangerous Materials Storage Facility (DMSF) on site. Minor violations in the categories of General, Manifest, Recordkeeping, Pre-transport, General Facility Standards, and Closure/Post-Closure were discovered in the late 1980s through the early 2000s. All violations were returned to compliance in a reasonable time frame. The MO S&T DMSF is now an exempt 90-day temporary hazardous waste storage facility, with both secondary and general containment for all above-stated varieties of stored waste. Hazardous waste is regularly removed by Heritage Environmental Services within the aforementioned 90-day period. During the subject property inspection, no evidence of release or imminent release was observed. Based on the current compliance, the fact that the facility is no longer a RCRA-LQG, and the 90-day temporary hazardous waste storage facility statuses, the subject property's past use as a RCRA-LQG would not be expected to represent a recognized environmental condition (REC) to the subject property.
- The DMSF on the subject property was also identified as a RCRA-TSDF and CORRACTS facility. The TSDF regulatory listing is associated with the previously mentioned large quantities of corrosive, reactive, flammable, ignitable, and radioactive waste historically stored in the DMSF on site. The CORRACTS facility regulatory listing is associated with the cleanup and remediation of various areas throughout the MO S&T campus, including the DMSF building. On March 31, 2009, MDNR issued a letter to MO S&T releasing the subject property from Corrective Action and Permitting (CORRACTS), as remediation had been completed. On that same date, the US EPA issued a letter to MO S&T terminating the Part II Permit associated with the facility's use as a RCRA-TSDF, as associated on-site activities concluded and remediation had been completed. DMSF remediation analytical documentation reviewed entailed the cleanup of interior building surfaces and removal of one (1) underground acid-mixing storage tank. Documentation showed that no media in the area of this tank was known or reasonably suspected to be contaminated above levels protective to human health and environment, thus after the acid-mixing tank was removed, the area was backfilled. Based on the documentation from MDNR and the US EPA, along with the analytical documentation, the subject property's past use as as RCRA-TSDF and CORRACTS facility would not be

expected to represent a recognized environmental condition (REC) to the subject property.

The following materials were observed during the subject property inspection:

Dangerous Materials Storage Facility (DMSF):

- A hydraulic loading dock lift was noted at the building entrance. Staining was evident on the concrete underneath the lift. According to subject site personnel, this concrete was installed within the last two (2) years. The lift is not original to the building, and though installation date is not known, it has been on site for estimated at least three (3) decades. The cylinders were also recently replaced on the lift. The current concrete staining would represent a *de minimis* condition, however, based on the likelihood that the lift was leaking prior to the concrete being in place, hydraulic fluid may be present in the soil under the lift. The likelihood of this fluid leaking for a prolonged period of time and its presence in the underlying soil in unknown quantities represents a recognized environmental condition (REC) to the subject property. Further investigation is recommended.
- Corrosive, reactive, flammable, ignitable, and radioactive lab waste are stored in this building temporarily for no more than 90 days. Secondary and general containment are in place at this building for these materials and no evidence of release was observed on the day of the site inspection.
-

Facility Operations/General Services Building:

- In the mechanical room of this building, an air compressor was discovered of unknown manufacture/install date. Staining was evident in the immediate vicinity of this air compressor. Though the air compressor appeared to be manufactured more recently than 1979 (the date which PCBs were banned from manufacture by the EPA), based on interviews with subject site personnel, an older air compressor previously occupied the same area and the staining may have been attributed to the operation of the older air compressor. The high likelihood of this staining being associated with the operation of an air compressor manufactured prior to 1979 and the released hydraulic oils associated with such machinery represents a recognized environmental condition (REC) to the subject property. Further investigation is recommended.
- Small amounts of general cleaners and interior paints were noted inside this building.
- Minor auto repair is performed in the automotive shop area. A small parts washer was observed in the shop, and according to subject site personnel, this parts washer is serviced regularly by Zep. Small amounts of lubricants, oils, and fluids were also noted in the automotive shop area. Large quantities of automotive fluids and supplies were not observed. No oil-water separator was observed in this shop.

Outdoor Storage Area/Boneyard:

- An area of "non-clean" fill was noted in the northeastern portion of the subject property. According to information attained from site personnel, this fill is comprised of concrete, old brick, and unknown building materials, none of which has been tested. According to information attained from site personnel, this fill is comprised of concrete, old brick, and unknown building materials, none of which has been tested. This fill material's presence on the subject property represents a recognized environmental condition (REC) to the subject property based on the nature of unknown substances comprising it. Further investigation is recommended.
- One very large transformer was noted to be leaking oil during the subject property inspection. According to information obtained from Brandon Rekus after the inspection, 365 gallons of transformer oil leaked over the course of the past 18 months. Missouri Department of Natural Resources (MDNR) was contacted to report the leak. Environmental Works has been hired by MO S&T to remediate the leaky transformer area. The transformer oil plume only covered the immediate vicinity of the leak based on samples taken downgrade and downhill from the leaky transformer. The fluid that has been leaking has been characterized as non-hazardous, non-PCB mineral oil. Based on the non-hazardous nature of the leaking substance, the plans for remediation, and the presence of state agency involvement and oversight, this leaking transformer would expected to represent a recognized environmental condition (REC) to the subject

property, however, as the remediation is still ongoing, this fluid spillage would be classified as a *de minimis* condition.

- Large quantities of decommissioned transformers, cooling fans, A/C units, various metal scrap, and metal storage containers were observed in this outdoor area. Several empty compressed gas containers and empty 5-gallon buckets were also noted in this area.

Compressible Flow Lab:

- Empty 55-gallon drums were observed along the building exterior.
- A diesel hydraulic pump was noted in the shed adjacent to building. Fluid spillage throughout this small shed was evident on the concrete floor, along with absorbent media evidently used to control the spill. Though not expected to represent a recognized environmental condition (REC) to the subject property because of the concrete barrier (which appeared to be in good condition), this fluid spillage would be classified as a *de minimis* condition.
- Used oil stored in drums were also observed in this adjacent shed.

Electric Car Office/Transit Depot:

- Small amounts of general cleaners and interior paints were noted inside this building.

Materials Storage Building:

- 5-gallon (and smaller) containers of in corrosive liquids, water treatment microbiocide, caustic soda, and hydrogen peroxide were observed in secondary and general containment.

Outdoor Storage Area Shed:

- Two large partially-full reinforced polymer totes were identified in secondary and general containment
- Several 5-gallon buckets of sealant were also noted.

Temporary Research Facility:

- Very small amounts of lab chemicals were associated with electrical and mechanical work were noted.

The type and quantity of materials noted above would be considered typical for each facility's management and use on the subject property. Unless otherwise exclusively outlined above, no other evidence of previous or imminent releases from these containers was noted on the day of this subject property inspection. Therefore, the materials not exclusively identified as a recognized environmental condition (REC) above would not be expected to otherwise represent a REC to the subject property.

During this subject property inspection, no other unusual discolorations, odors, sheens, stains, or stressed vegetation were noted in the subject buildings, on the subject property, or on surrounding sites which may have indicated significant releases of hazardous materials or petroleum products from the subject property or surrounding sites.

6.2.3 Aboveground Storage Tanks (ASTs)/Underground Storage Tanks (USTs)

During the subject property inspection and interviews, it was discovered that a large gasoline AST (approximately 20,000 gallons) on the subject site historically experienced an uncontrolled release of approximately 200 gallons of gasoline in 1993. Documentation was reviewed on site regarding this historical release. Remediation and analysis of the soil and water in the immediate vicinity of the AST was completed by MO S&T staff in March of 1993. The sampling data, photographs, and a description of the activities completed were submitted to MDNR upon request in 2007. On August 8, 2007, MDNR issued a No Further Remedial Action letter to MO S&T regarding the incidence. Upon EOI's review of analytical sampling data, it was discovered that the soil on site after remediation showed concentrations of Total Xylenes (30.5 mg/kg) that exceeded Residential Risk-Based Target Levels (RBTLs) of 24.7 mg/kg, however, Total Xylene concentrations were below Non-Residential RBTLs of 199 mg/kg. Based on the current and continued non-residential use of the subject property for the perceivable future, this historical gasoline AST release would not be expected to represent a

recognized environmental condition (REC) to the subject property. However, should site use change in the future to become more restrictive (i.e., residential), additional investigation in the vicinity of the historical gasoline AST would be recommended.

During the subject property inspection, an approximately 300-gallon diesel fuel AST was noted adjacent to the Compressible Flow Lab. The AST was elevated on steel supports and located within a secondary containment area. No evidence of previous or imminent spill was observed. Based on these observations, this AST would not be expected to represent a recognized environmental condition (REC) to the subject property.

No other ASTs were identified in the subject building or on the subject property during this subject property inspection. No USTs are currently listed for the subject property with the Missouri Department of Natural Resources. During this subject property inspection, no evidence (e.g.: access ways, dispenser island, disturbed concrete, fill pipes, vent pipes, etc.) was noted that may have indicated the presence of USTs at the subject property. No evidence of ASTs or USTs was noted on surrounding properties during this subject property inspection.

6.2.4 Air and Water Emissions

The occupant would not be expected to generate air and water emissions that would significantly impact the subject property. All floor drains and stormwater drains observed during this subject property inspection appeared to be in good condition and lacked evidence (e.g.: unusual discolorations, odors, sheens, stains, stressed vegetation, free product, industrial containers, industrial activity property history, etc.) of a release of significant quantities of hazardous materials or petroleum products.

During this subject property inspection, no evidence of cisterns, depressions, ditches, dry wells, holding tanks, impoundments, lagoons, leach fields, lift stations, monitoring wells, oil-water separators, pits, ponds, septic systems, silver recovery units, sumps, surface water, waste water discharge, or water wells was noted in the subject building or on the subject property.

7. INTERVIEWS

Owner/ Site Manager/ Occupants

Mr. Tony Hunt, Assistant Director for Environmental Health and Safety at Missouri S&T, was interviewed on June 17, 2022 in person and via questionnaire and has been familiar with the subject property for the past 30 years. According to Mr. Hunt, the subject property is currently owned by MO S & T. The subject property is currently associated with hazardous waste disposal under State # 001049 and Permit # MOD000677773. Electricity is supplied to the subject property by the City of Rolla and natural gas is supplied by Ameren. A hydraulic dock lift currently exists in the DMSF. The DMSF currently houses hazardous materials as a temporary 90-day storage facility for lab waste. Heritage Environmental Services removed the hazardous waste periodically. There is currently a decommissioned gasoline AST on the subject site that was previously used for fueling. In 1993, a fill pipe ruptured and there was a spill. The spill was registered with MDNR and remediation was completed. In 2007, MDNR issued a NFA letter for this AST spill and cleanup. Automotive maintenance and repair, industrial activities, and waste management are currently conducted on the subject property. Transformers of various sizes are also currently stored on-site. Mr. Hunt is unaware of any fuel oil heating systems, major renovations, ACMs, PCBs, or other hazardous material or petroleum product use or waste generations, ASTs, USTs, or environmental concerns associated with the subject property or surrounding sites currently or previously.

Mr. Brandon Rekus, Environmental Health and Safety Manager at Missouri S&T, was interviewed during the subject property inspection on June 15, 2022. According to information obtained from Mr. Rekus during the site inspection, MO S&T uses portions of the subject property for storage of various decommissioned transformers and scrap metal parts. One of the large decommissioned transformers has been leaking mineral oil for an extended period of time. The decommissioned AST has pipes that run both above and below ground from the AST

location west towards the Facility Operations/General Services Building, terminating somewhere near the operable transformers located adjacent to the Facility Operations/General Services Building. Mr. Rekus expects that additional testing may ensue to evaluate the various transformers on the property, the hydraulic lift at the DMSF loading dock, and the various air compressors in the buildings. During subsequent phone conversations with Mr. Rekus, he supplied that the large decommissioned transformer was found to have leaked 365 gallons of transformer oil over the course of the past 18 months. Missouri Department of Natural Resources (MDNR) was contacted to report the leak. Environmental Works has been hired by MO S&T to remediate the leaky transformer area. The transformer oil plume only covered the immediate vicinity of the leak based on samples taken downgrade and downhill from the leaky transformer. The fluid that has been leaking has been characterized as non-hazardous, non-PCB mineral oil. When asked about the hydraulic loading dock lift located at the DMSF, Mr. Rekus stated that the concrete pad under the lift was installed within the past 2 years and that the lift, though not original to the building, has never been replaced, but that the cylinders have been repaired. Mr. Rekus further clarified that the "non-clean" fill located in the northeast area of the property was comprised of concrete, old brick, and unknown building materials, none of which had been tested. Upon questioning about the tank located in a pit of a mechanical room inside the Facility Operations/General Services Building, Mr. Rekus supplied that this tank is just a condensate tank for steam lines involving no fuel or oil, just hot water. Mr. Rekus is unaware of any other fuel oil heating systems, major renovations, ACMs, PCBs, or other hazardous material or petroleum product use or waste generations, ASTs, USTs, or environmental concerns associated with the subject property or surrounding sites currently or previously.

Documentation involving the regulatory listings of CORRACTS, RCRA-TSDF, and RCRA-LQG were provided by Mr. Rekus and Mr. Hunt while on site. Additionally, documentation regarding the AST spill and remediation were also provided while on site.

Others

No other occupants, area occupants, previous owners or any others likely to have a significant knowledge of site history or operations were interviewed in conjunction with this assessment.

Local Government Officials

Local authorities and agencies, such as the Rolla City Clerk and Phelps County Department of Public Health were also contacted in order to identify any potential environmental concerns such as asbestos removal, abandoned drums, hazardous material spills, LUSTs, USTs, any major industrial activities, or related environmental concerns. Both agencies revealed no information that would indicate any environmental concerns involving the subject site.

8. FINDINGS

The following environmental concerns were discovered during the Phase I Environmental Assessment on the Missouri S & T buildings located at 1001 Collegiate Boulevard in the City of Rolla, Phelps County, Missouri. The potential environmental problems determined to require further investigation, response, and/or remediation include:

- Staining was observed on the concrete underneath the hydraulic loading dock lift located at the Dangerous Materials Storage Facility (DMSF). Though this concrete was installed within the last two (2) years, the lift was estimated to have been on site for at least three (3) decades. It is likely that the lift was leaking prior to the concrete being in place and hydraulic fluid of unknown quantities may be present in the underlying soil.
- Dark staining was evident in the immediate vicinity of an air compressor located in the mechanical room of the Facility Operations/General Services Building. It is likely that this staining is associated with the operation of an air compressor manufactured prior to 1979 and the released hydraulic oils associated with such machinery.

- An area of non-clean fill was noted in the northeastern portion of the subject property identified as the Outdoor Storage Area/Boneyard. According to information attained from site personnel, this fill is comprised of concrete, old brick, and unknown building materials, none of which has been tested.

9. OPINION

Based on the Site Reconnaissance, Records Review, Interviews, and User Supplied information, the following issues have the potential to represent an environmental liability to the subject site:

- In the Dangerous Materials Storage Facility (DMSF), a hydraulic loading dock lift was noted at the building entrance with staining evident on the concrete underneath the lift. According to subject site personnel, this concrete was installed within the last two (2) years. The lift was estimated to have been on site for at least three (3) decades. Based on the likelihood that the lift was leaking prior to the concrete being in place, hydraulic fluid may be present in the soil under the lift. The likelihood of this fluid leaking for a prolonged period of time and its presence in the underlying soil in unknown quantities has the potential to represent a significant environmental liability to the subject property.
- Dark staining was evident in the immediate vicinity of this air compressor located in the mechanical room of the Facility Operations/General Services Building. Though the air compressor appeared to be manufactured more recently than 1979 (the date which PCBs were banned from manufacture by the EPA), based on interviews with subject site personnel, an older air compressor previously occupied the same area and the staining may have been attributed to the operation of the older air compressor. The high likelihood of this staining being associated with the operation of an air compressor manufactured prior to 1979 and the released hydraulic oils associated with such machinery has the potential to represent a significant environmental liability to the subject property.
- An area of non-clean fill was noted in the northeastern portion of the subject property identified as the Outdoor Storage Area/Boneyard. According to information attained from site personnel, this fill is comprised of concrete, old brick, and unknown building materials, none of which has been tested. The presence of this fill material on site has the potential to represent a significant environmental liability to the subject property based on the nature of unknown and untested substances which comprise it.

No other significant environmental liabilities or off-site concerns affecting the subject property were detected. However, it must be noted that the intent of our environmental assessment and this report is to assist in understanding environmental concerns identified within the constraints of our proposal. This assessment was not designed to disclose the existence of potential environmental liabilities detectable only by more sophisticated methods. Although, if such liabilities exist, the assessment may have brought them to light as the *Scope of Work* performed would be considered appropriate for evaluating the subject site.

10. CONCLUSIONS

Environmental Operations, Inc. performed a Phase I Environmental Site Assessment on the Missouri S & T buildings located at 1001 Collegiate Boulevard in the City of Rolla, Phelps County, Missouri, in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Practice E 1527-13 and the *Scope of Work/Tasks* outlined in Environmental Operations, Inc.'s Proposal, and in compliance with Title 40 of the Code of Federal Regulations Part 312 (40 CFR Section 312). Any exceptions to or deletions from these practices are outlined in sections 2.3-2.5 of this report. This assessment revealed no evidence of *recognized environmental conditions* (as defined by ASTM Practice E 1527-13) in connection with the subject property, except for the following:

- In the Dangerous Materials Storage Facility (DMSF), a hydraulic hydraulic loading dock lift was noted at the building entrance. Staining was evident on the concrete underneath

the lift. According to subject site personnel, this concrete was installed within the last two (2) years. The lift is not original to the building, and though installation date is not known, it has been on site for estimated at least three (3) decades. The cylinders were also recently replaced on the lift. The current concrete staining would represent a de minimis condition, however, based on the likelihood that the lift was leaking prior to the concrete being in place, hydraulic fluid may be present in the soil under the lift. The likelihood of this fluid leaking for a prolonged period of time and its presence in the underlying soil in unknown quantities represents a recognized environmental condition (REC) to the subject property. Further investigation is recommended.

- In the mechanical room of the Facility Operations/General Services Building, an air compressor was discovered of unknown manufacture/install date. Staining was evident in the immediate vicinity of this air compressor. Though the air compressor appeared to be manufactured more recently than 1979 (the date which PCBs were banned from manufacture by the EPA), based on interviews with subject site personnel, an older air compressor previously occupied the same area and the staining may have been attributed to the operation of the older air compressor. The high likelihood of this staining being associated with the operation of an air compressor manufactured prior to 1979 and the released hydraulic oils associated with such machinery represents a recognized environmental condition (REC) to the subject property. Further investigation is recommended.
-
- An area of non-clean fill was noted in the northeastern portion of the subject property identified as the Outdoor Storage Area/Boneyard. According to information attained from site personnel, this fill is comprised of concrete, old brick, and unknown building materials, none of which has been tested. Based on the nature of unknown substances in this fill material, its presence on the subject property represents a recognized environmental condition (REC) to the subject property. Further investigation is recommended.

11. DEVIATIONS AND DATA GAP EVALUATION

No significant deviations from ASTM Standard Practice E 1527 - 13 were made in conducting an All Appropriate Inquiry for the above referenced property, except for the following:

- The previous owners were not available for interview at the time of this report; however, based on information obtained during this investigation, this would not be considered a significant data gap.

12. ADDITIONAL CONSIDERATIONS/BUSINESS ENVIRONMENTAL RISKS

This Phase I Environmental Site Assessment did not include assessments of other potential business environmental risks (suspect Asbestos Containing Materials, Lead-Based Paint, Mold, regulatory compliance issues, etc.). It should be noted that the purpose of this Phase I ESA was only to identify Recognized Environmental Conditions and the lack of identification of these business environmental risks does not categorically exclude the potential for these risks, but only indicates that during the course of this investigation, none of the conditions that would make the common business environmental risks identified in ASTM E1527-13 Section 13.1.5 were readily apparent.

However, during the completion of this Phase I Environmental Site Assessment, indications of the following *business environmental risks* were noted:

12.1 Asbestos Containing Materials (ACM)

Environmental Operations, Inc. is concurrently completing an asbestos survey which will be submitted under separate cover.

12.2 Lead-Based Paint

This Phase I Environmental Site Assessment did not include a LBP survey. However, based on the apparent age of the subject property buildings, LBP may be present. In order to further evaluate the potential liabilities associated with this material and its condition, a LBP survey performed by a certified lead-based paint inspector would be required.

13. REFERENCES

American Society for Testing and Materials
Designation: E 1527-13

"Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process"

City of Rolla
City Clerk
901 N Elm Street
Rolla, Missouri 65402

Environmental Data Resources, Inc.
"The EDR Aerial Photo Decades Package" years: 2016, 2012, 2009, 2006, 1995, 1992, 1983, 1976, 1964, 1962, 1959, and 1956

Environmental Data Resources, Inc.
"The EDR-City Directory Abstract" years: 2017, 2014, and 2010

Environmental Data Resources, Inc.
"The EDR-Radius Map with GeoCheck"

Environmental Data Resources, Inc.
"The EDR Topographic Map Report" years: 2017, 2015, 2004, 1992, 1985, 1980, 1976, 1963, 1951, and 1912

Phelps/Maries County Health Department
200 N Main Street
Rolla, Missouri 65401

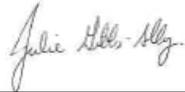
Sanborn Fire Insurance Maps (EDR): No Coverage

United States Environmental Protection Agency
<http://www.epa.gov/enviro/>

14. SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in 40 CFR Section 312.10 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Site Assessor



Julie Gibbs-Alley
Program Manager - Due Diligence and Compliance Services

15. QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

JULIE GIBBS-ALLEY
ENVIRONMENTAL SCIENTIST
ENVIRONMENTAL OPERATIONS, INC.

Southern Illinois University of Edwardsville
BS- Biology 2005
Southern Illinois University of Edwardsville
MS-Environmental Science 2008

PROFESSIONAL CERTIFICATIONS:

- 40-Hour OSHA HAZWOPER
- Asbestos Building Inspector
- Certified SWPPP Inspector
- Special Inspector for Major Land Disturbances (St. Louis County)
- Radon Measurement Licensure
- Certified Inspector for Geo-Seal Vapor Intrusion Barrier
- Certified in Official EPA Methods 9 and 22 (Opacity Readings)

PROFILE:

Ms. Gibbs-Alley has served as an Environmental Scientist at Environmental Operations, Inc. since May 2008. Ms. Gibbs-Alley currently conducts various scopes of work relating to environmental due diligence including completion of Phase I ESAs, Vapor Encroachment evaluation, and transaction screens. She is certified as a SWPPP inspector for St. Louis County and also possesses stormwater sampling skills. Ms. Gibbs-Alley is also a certified inspector for the installation of vapor intrusion barriers.

EXPERTISE:

Ms. Gibbs-Alley specializes in the analysis of environmental issues affecting properties in accordance with ASTM standards for conducting environmental site assessments. This entails:

- Inspection of real estate for evidence of asbestos containing materials (ACMs), polychlorinated biphenyls (PCBs), hazardous materials, petroleum products, aboveground storage tanks (ASTs), underground storage tanks (USTs), and air and water emissions.
- Communicating with clients regarding their desired scope of work, as well as explaining findings and conclusions, and discussing recommendations for additional investigations to reduce potential environmental liabilities.
- Reviewing previous environmental studies including Phase I ESAs, Phase II sampling and analysis, and Phase III remediation activities.
- Review and analysis of site history, regulatory databases, site physical setting, and federal, state, and local regulatory agency files.
- Design and management of Phase II sampling and analysis projects based on Phase I findings to qualify potential contaminants and to quantify the vertical and lateral extent of contamination.

RELEVANT EXPERIENCE:

Ms. Gibbs-Alley has completed Phase I ESAs, Phase II Subsurface Investigations, and Soil and Groundwater Remediation Projects on various types of properties, stormwater and non-stormwater sampling, and continually corresponds with regulatory agencies and clientele. Project involvement and management have been performed on various types of properties across the United States, including:

- Agricultural land
- Automotive Maintenance facilities
- Manufacturing plants
- Residential properties
- Retail Shopping Centers

- Commercial offices
- for a variety of clients, including:
- Commercial Real Estate
 - REITS
 - National Food Service Corporations
 - National Financial Institutions
 - Wildlife Preservation Groups
 - Construction Firms
 - Regional Development Authorities
 - Churches/Charitable Organizations

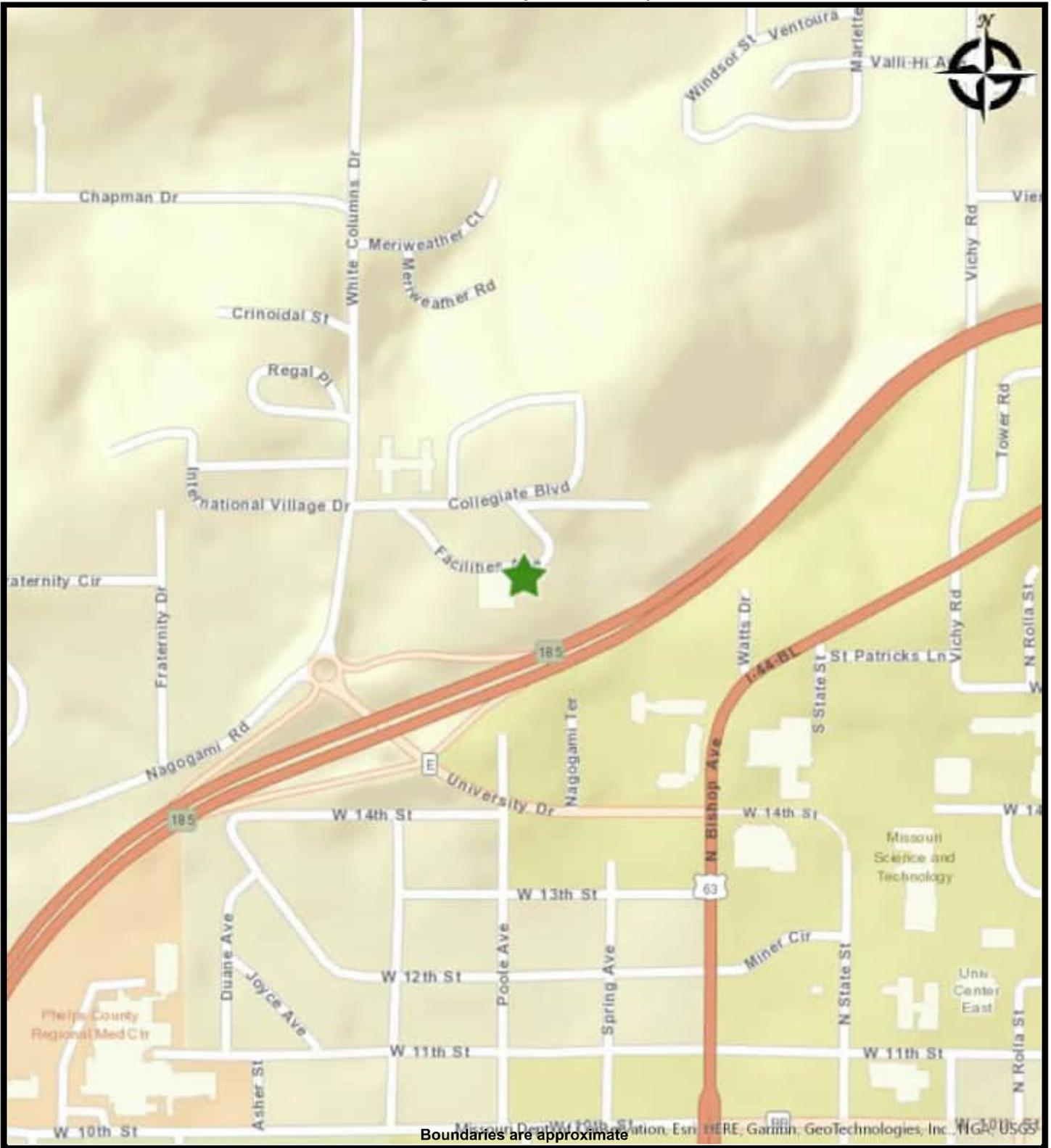
SunCoke Energy, Granite City, Illinois

Weekly, monthly, and quarterly opacity readings from smoke stack and related equipment

Love's Travel Stops and Country Stores, St. Louis, Missouri

Quarterly and Annual Inspections and Completion of Reports for BMPs under MSD requirements

Appendix 16.1
Site Vicinity Map



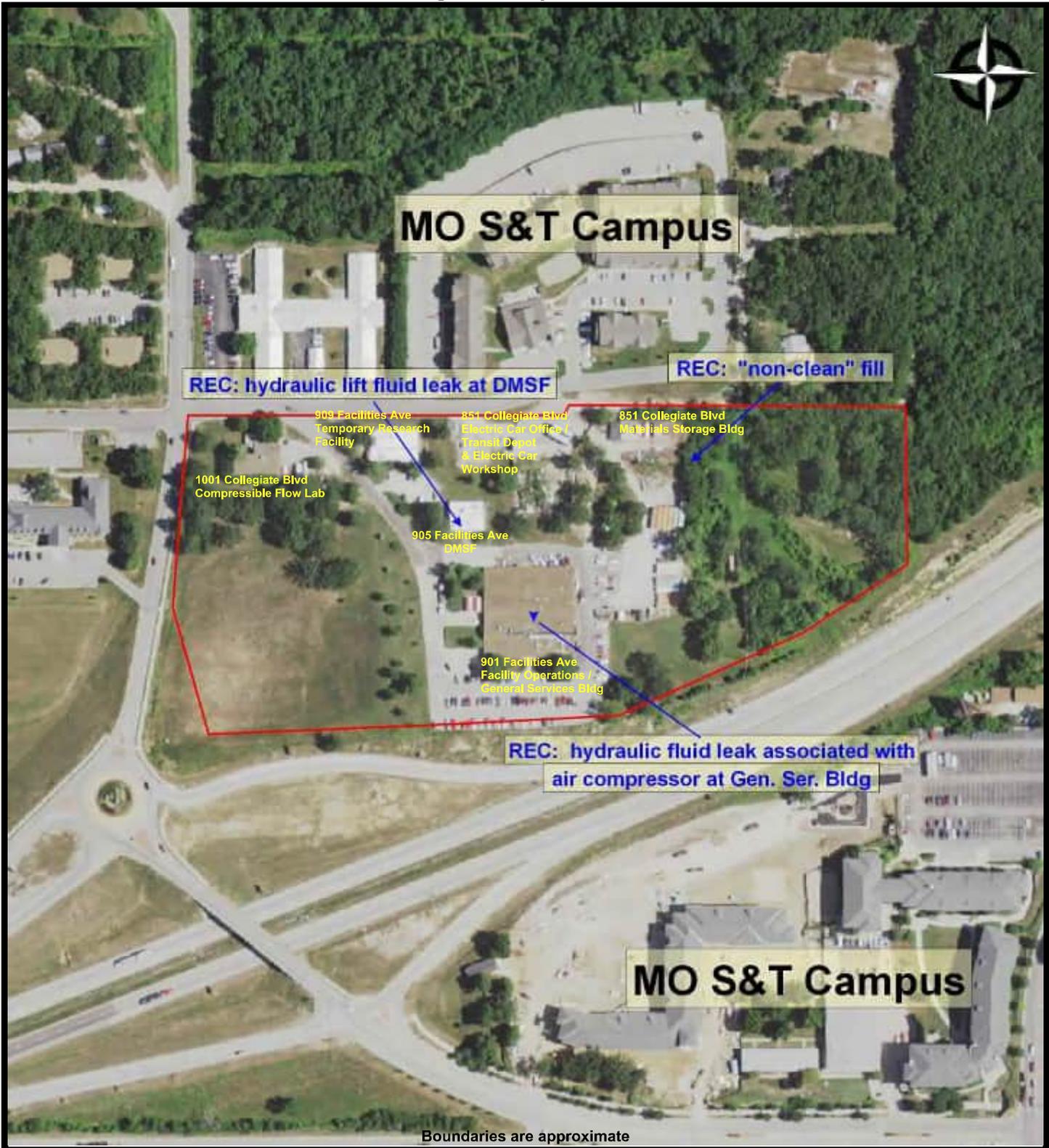
SITE VICINITY MAP
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Alexandria Algieri

DATE: 7/6/2022
PROJ. #: 22494

Appendix 16.2

Site Plan



SITE PLAN
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

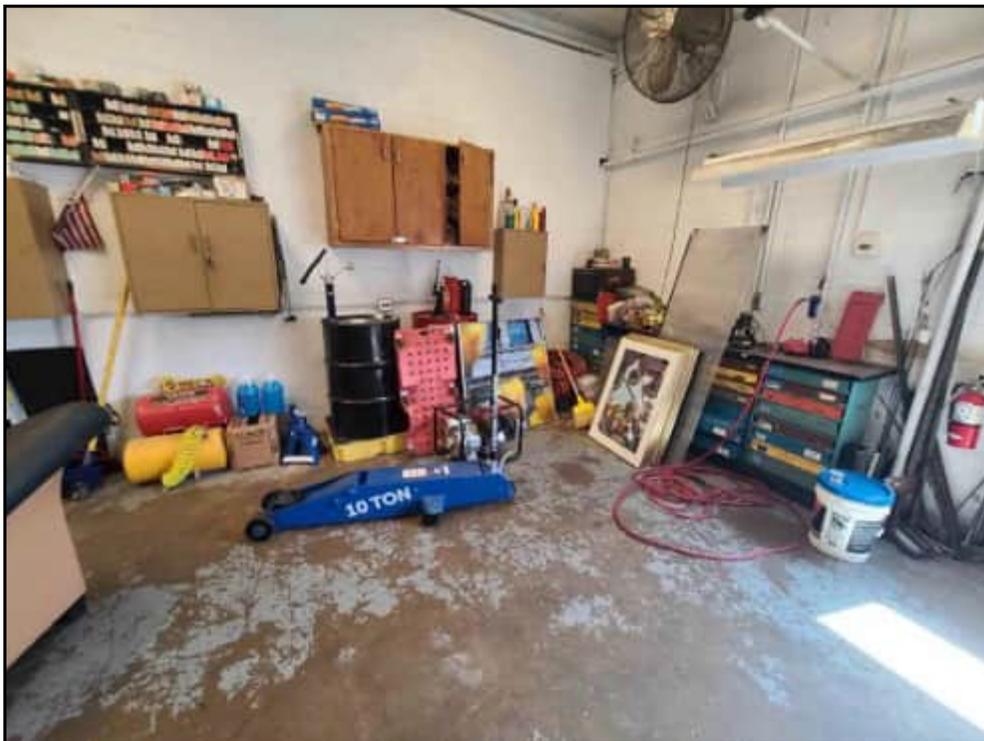
DATE: 6/17/2022
PROJ. #: 22494

Appendix 16.3

Site Photographs



View of Facility Operations-General Services Building exterior bay doors



View of Facility Operations-General Services Building interior (1) auto maintenance shop



View of Facility Operations-General Services Building interior (2) auto maintenance shop



View of Facility Operations-General Services Building interior (3) auto maintenance shop



View of Facility Operations-General Services Building interior (4) auto maintenance shop



View of Facility Operations-General Services Building interior (5)



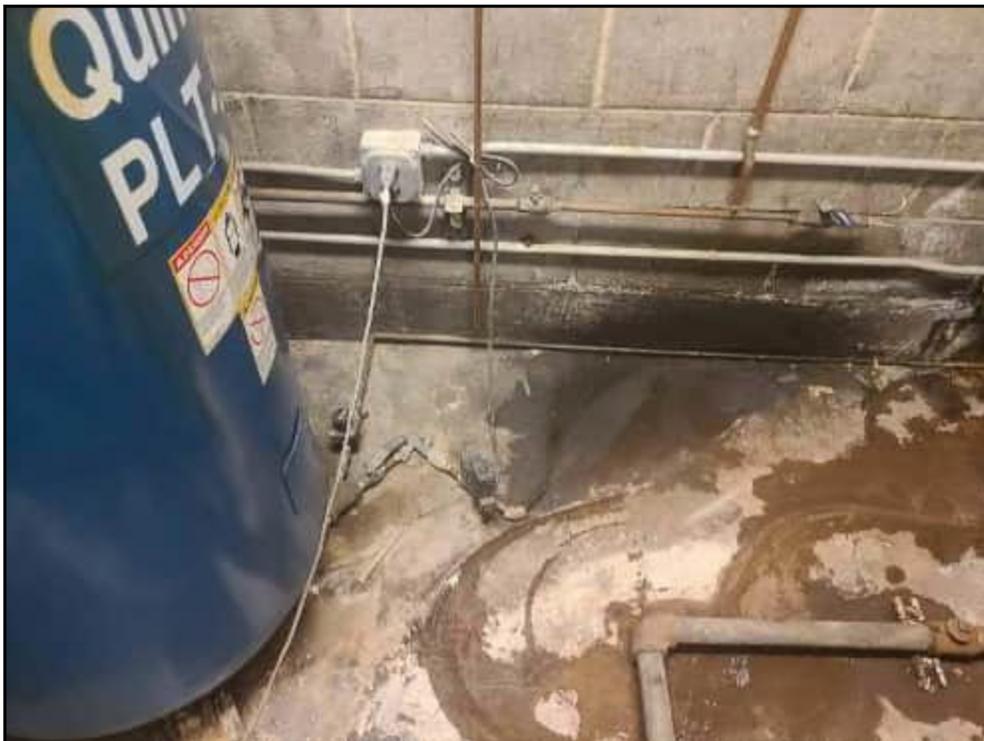
View of Facility Operations-General Services Building interior (6)



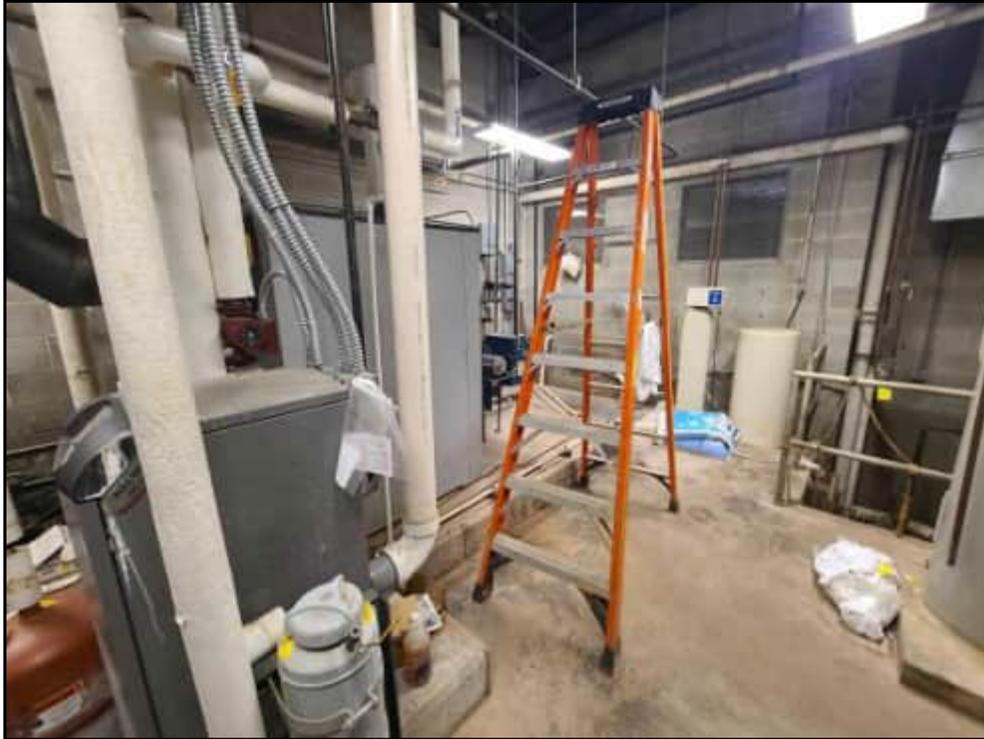
View of Facility Operations-General Services Building interior (7)



View of Facility Operations-General Services Building interior (8) air compressor



View of Facility Operations-General Services Building interior (8) air compressor staining



View of Facility Operations-General Services Building interior (9)



View of Facility Operations-General Services Building interior (10)



View of Facility Operations-General Services Building interior (11) steam condensate tank



View of Facility Operations-General Services Building interior (12)



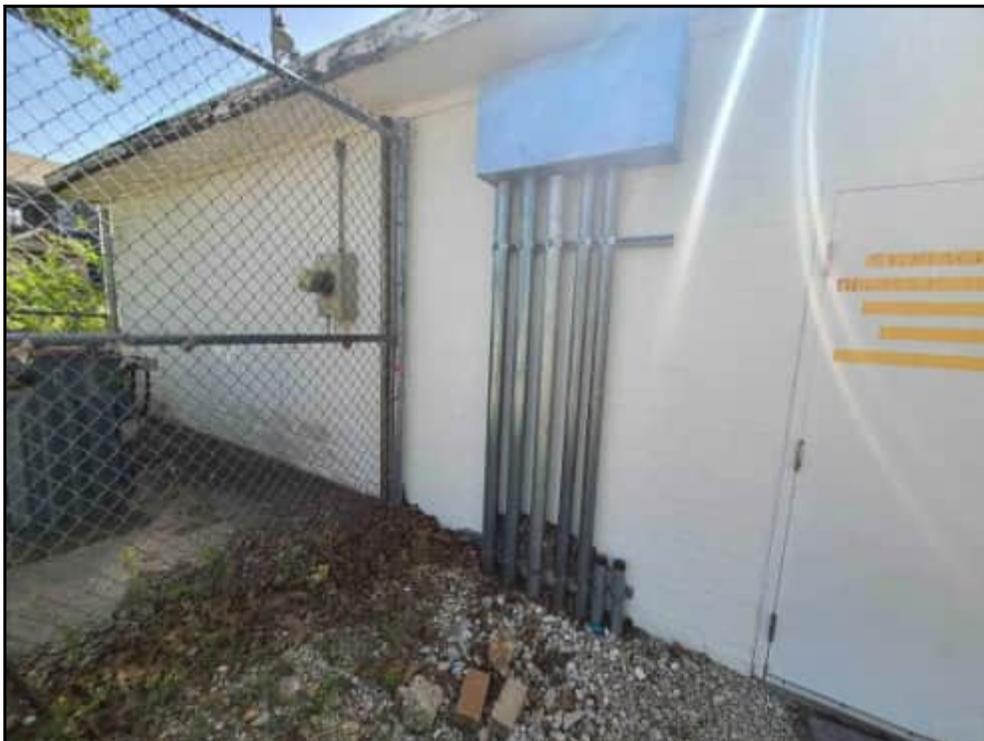
View of Facility Operations-General Services Building interior (13)



View of Facility Operations-General Services Building interior (14)



View of Facility Operations-General Services Building interior (15)



View of Materials Storage Building exterior



View of Materials Storage Building - outdoor transformers



View of Materials Storage Building interior (1)



View of Materials Storage Building interior (2)



View of Materials Storage Building interior (3)



View of Materials Storage Building interior (4)



View of Materials Storage Building interior (5)



View of Materials Storage Building interior (6)



View of Materials Storage Building interior (7)



View of Temporary Research Facility exterior



View of Temporary Research Facility interior (1)



View of Temporary Research Facility interior (2)



View of Temporary Research Facility interior (3)



View of Temporary Research Facility interior (4)



View of Temporary Research Facility interior (5)



View of Temporary Research Facility interior (6)



View of Temporary Research Facility interior (7)



View of Electric Car Workshop exterior



View of Electric Car Workshop exterior (2) electric pumps



View of Electric Car Workshop interior (1)



View of Electric Car Workshop interior (2)



View of Electric Car Office - Transit Depot exterior



View of Electric Car Office - Transit Depot interior (1)



View of Electric Car Office - Transit Depot interior (2)



View of Electric Car Office - Transit Depot interior (3)



View of Electric Car Office - Transit Depot interior (4)



View of decommissioned Hydrogen Storage Area (1)



View of decommissioned Hydrogen Storage Area (2)



View of decommissioned Hydrogen Storage Area (3)



View of decommissioned Hydrogen Storage Area (4) hydrogen pumps



View of Dangerous Materials Storage Facility (DMSF) exterior



View of Dangerous Materials Storage Facility (DMSF) outdoor covered empty drum storage area



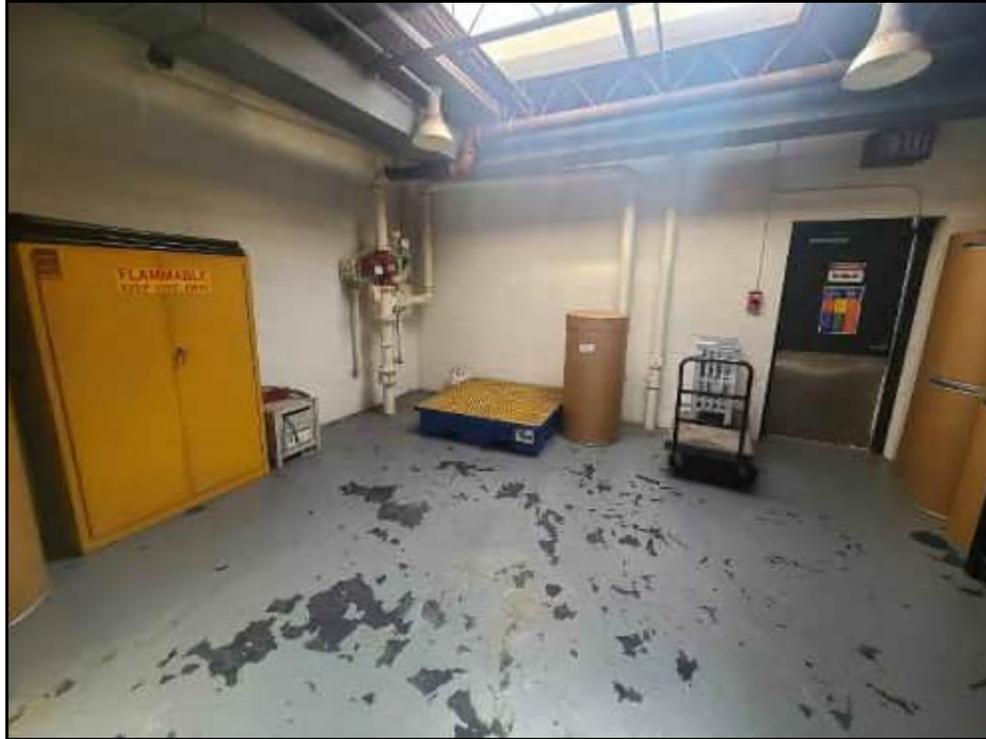
View of Dangerous Materials Storage Facility (DMSF) outdoor loading dock hydraulic lift



View of Dangerous Materials Storage Facility (DMSF) interior (1)



View of Dangerous Materials Storage Facility (DMSF) interior (2)



View of Dangerous Materials Storage Facility (DMSF) interior (3)



View of Dangerous Materials Storage Facility (DMSF) interior (4)



View of Dangerous Materials Storage Facility (DMSF) interior (5)



View of Dangerous Materials Storage Facility (DMSF) interior (6)



View of Dangerous Materials Storage Facility (DMSF) interior (7)



View of Compressible Flow Lab exterior (1)



View of Compressible Flow Lab exterior (2) AST



View of Compressible Flow Lab exterior (3)



View of Compressible Flow Lab interior (1)



View of Compressible Flow Lab interior (2)



View of Compressible Flow Lab interior (3)



View of Compressible Flow Lab interior (4)



View of Compressible Flow Lab interior (5)



View of Compressible Flow Lab interior (6)



View of Compressible Flow Lab interior (7)



View of Compressible Flow Lab interior (8)



View of Compressible Flow Lab interior (9)



View of Compressible Flow Lab interior (10)



View of decommissioned AST (1)



View of decommissioned AST (2)



View of decommissioned AST (3)



View of outdoor bone yard storage area (1)



View of outdoor bone yard storage area (2)



View of outdoor bone yard storage area (3)



View of outdoor bone yard storage area (4)



View of outdoor bone yard storage area (5)



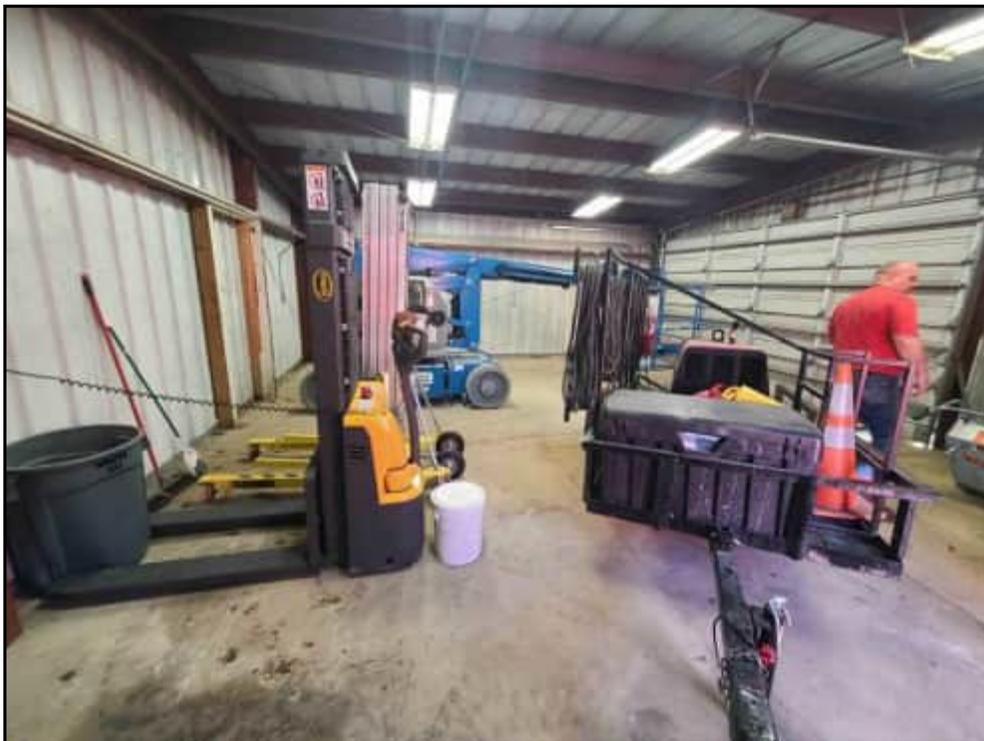
View of outdoor bone yard storage area (6)



View of outdoor bone yard storage area (7)



View of outdoor bone yard storage area (8)



View of outdoor bone yard storage area (9) shed interior (1)



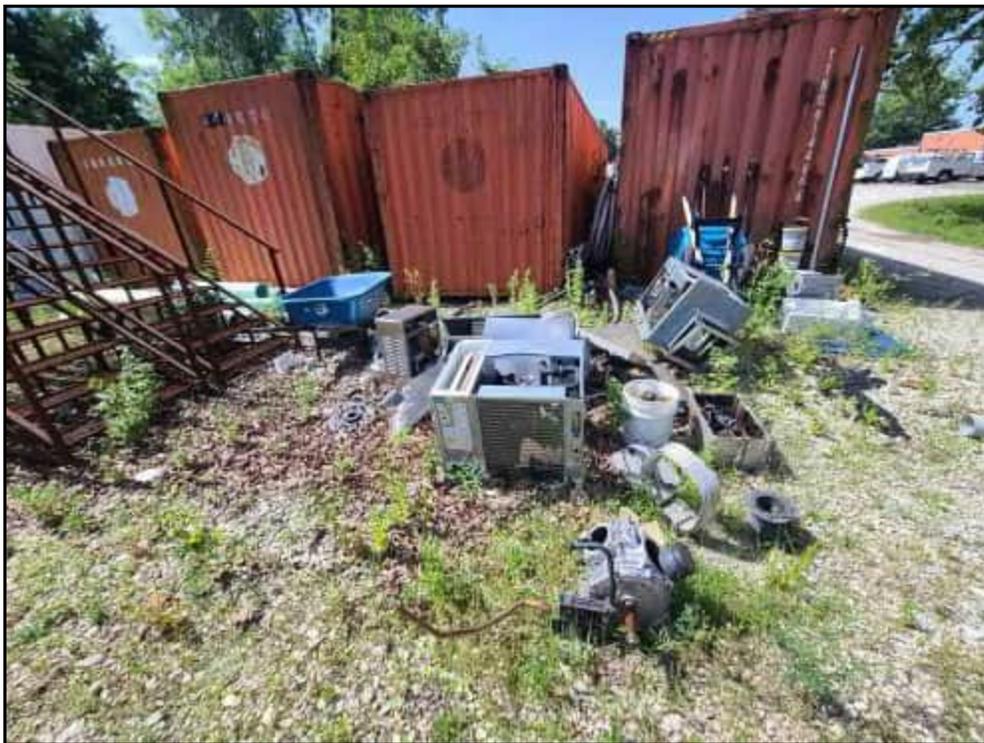
View of outdoor bone yard storage area (9) shed interior (2)



View of outdoor bone yard storage area (9) shed



View of outdoor bone yard storage area (10)



View of outdoor bone yard storage area (11)



View of outdoor bone yard storage area (12)



View of outdoor bone yard storage area (13)



View of outdoor bone yard storage area (14)



View of outdoor bone yard storage area (15)



View of outdoor bone yard storage area (16) leaking transformer



View of outdoor bone yard storage area (17) leaking transformer



View of outdoor bone yard storage area (18) leaking transformer



View of outdoor bone yard storage area (19) leaking transformer



View of outdoor bone yard storage area (20)



View of outdoor bone yard storage area (21)



View of outdoor bone yard storage area (22)



View of undeveloped portion of subject property

Appendix 16.4

Fire Insurance Maps

Missouri S & T Buildings
1001 Collegiate Boulevard
Rolla, MO 65401

Inquiry Number: 6993336.3

May 25, 2022

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

05/25/22

Site Name:

Missouri S & T Buildings
1001 Collegiate Boulevard
Rolla, MO 65401
EDR Inquiry # 6993336.3

Client Name:

Environmental Operations, Inc.
7733 Forsyth Boulevard
Clayton, MO 63105
Contact: Alexandria Algieri



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Environmental Operations, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 2FB1-4BB3-8173
PO # NA
Project 22494

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 2FB1-4BB3-8173

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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Appendix 16.5
Aerial Photographs



Boundaries are approximate



AERIAL - 2016
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate



**Environmental
Operations, Inc.**
CLEARING THE WAY

AERIAL - 2012
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate



**Environmental
Operations, Inc.**
CLEARING THE WAY

AERIAL - 2009
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

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PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate



AERIAL - 2006
#22494 MISSOURI S & T
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Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
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DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate



AERIAL - 1995
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate



AERIAL - 1983
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate

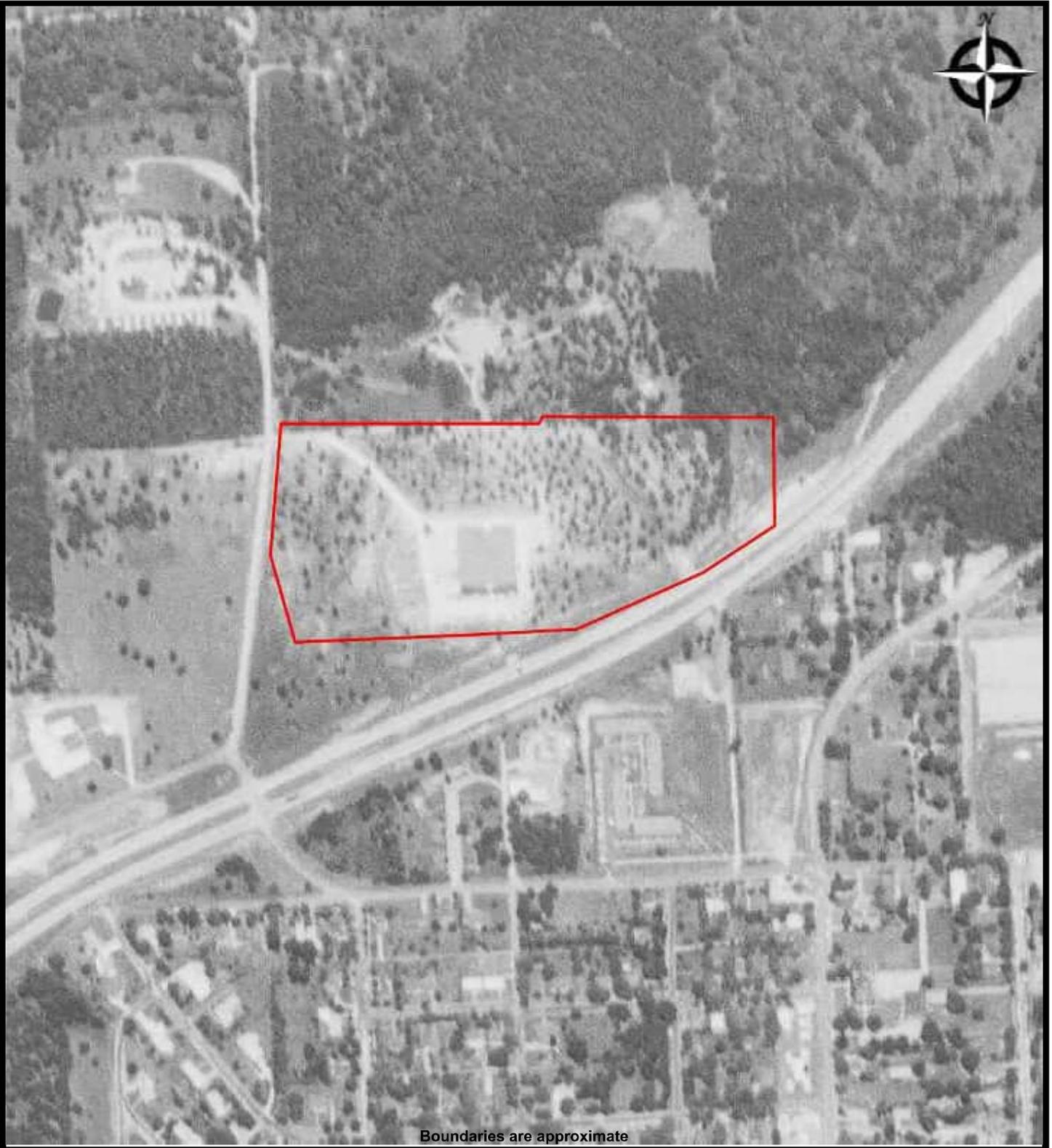


**Environmental
Operations, Inc.**
CLEARING THE WAY

AERIAL - 1976
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate



AERIAL - 1964
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
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DATE: 6/17/2022
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Boundaries are approximate



**Environmental
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AERIAL - 1962
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Boundaries are approximate



**Environmental
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AERIAL - 1959
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
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PROJ. #: 22494



Boundaries are approximate



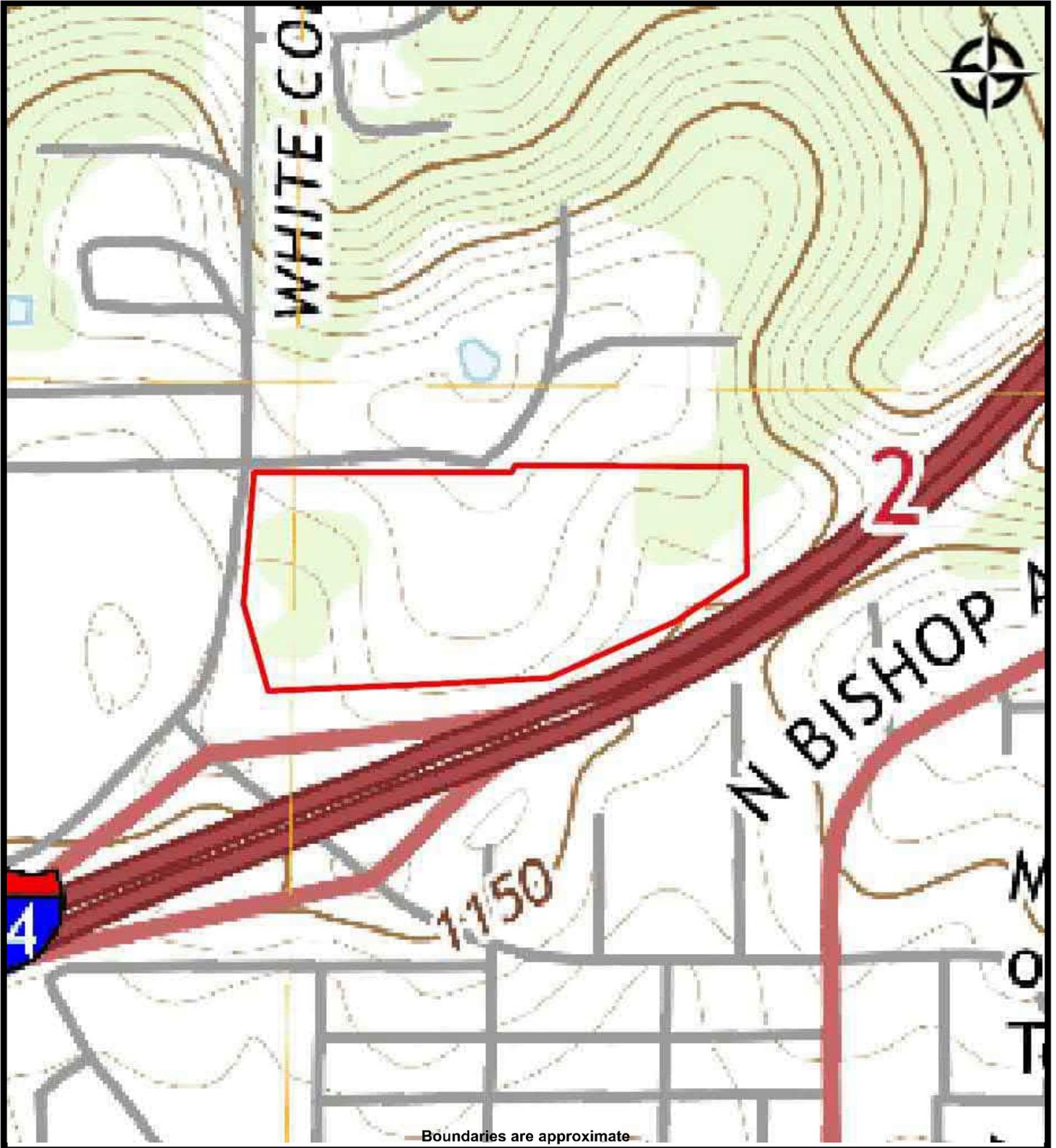
AERIAL - 1956
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494

Appendix 16.6

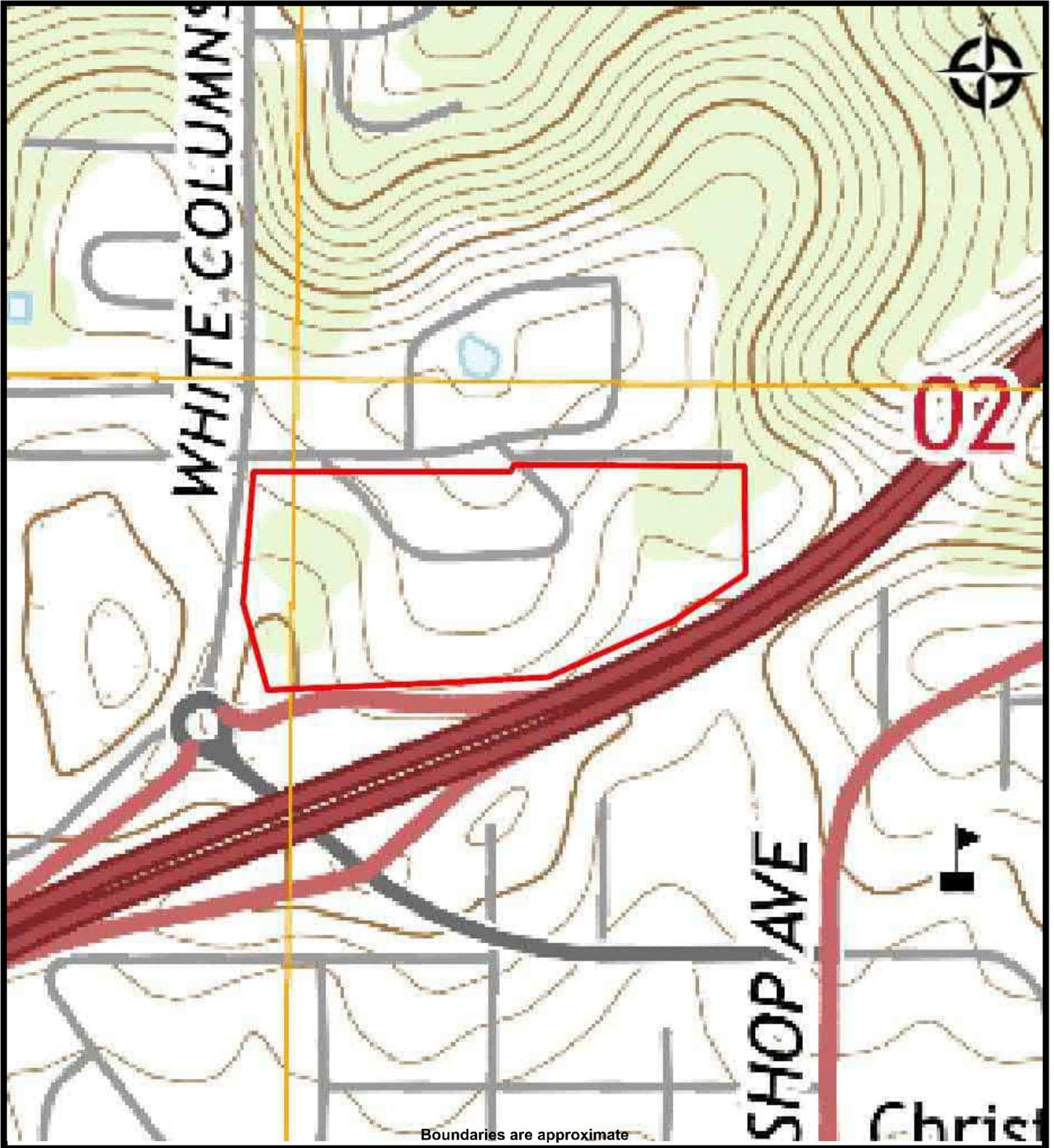
Historic Topographic Maps



TOPO MAP - 2017
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

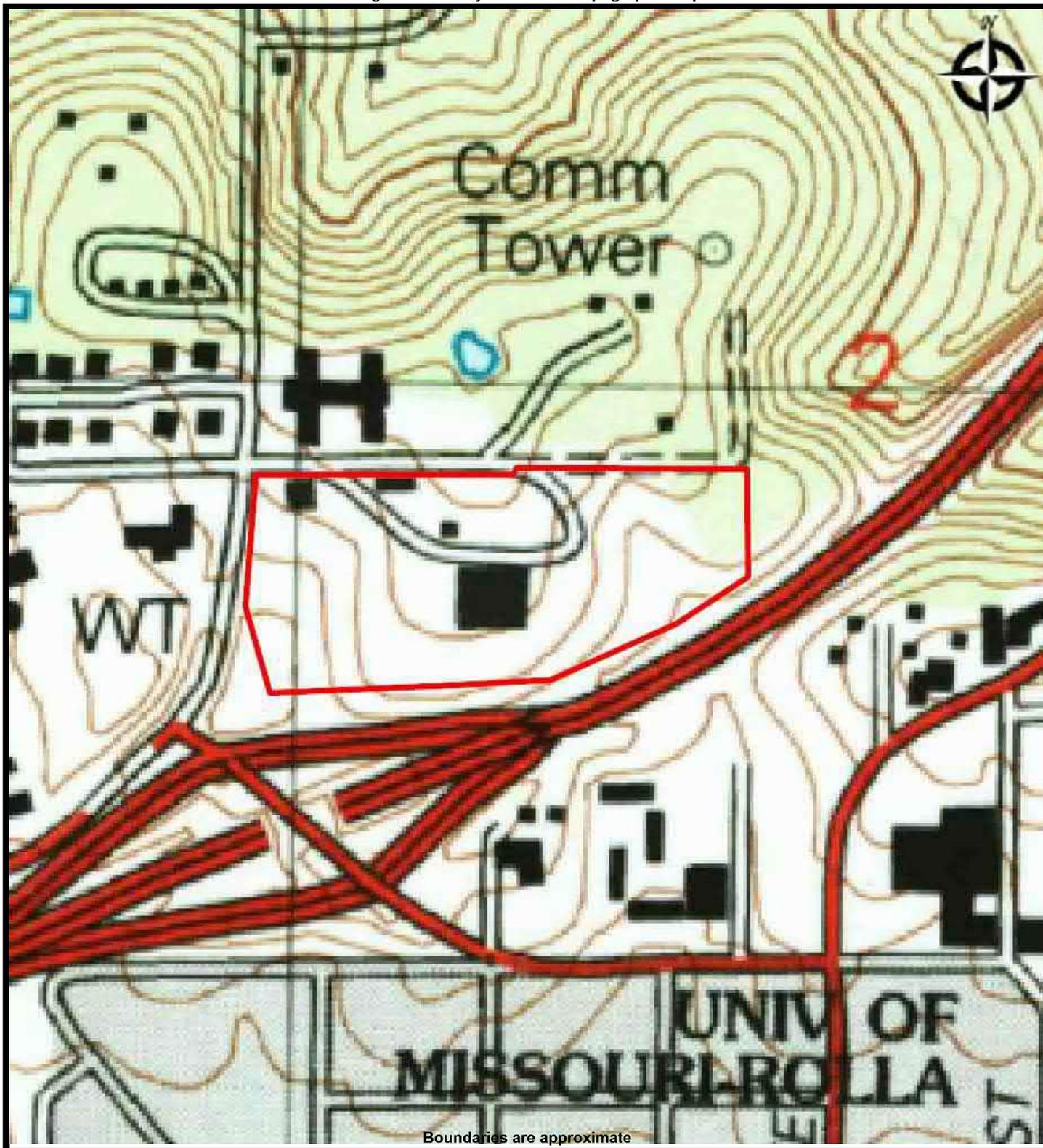
DATE: 6/17/2022
PROJ. #: 22494



TOPO MAP - 2015
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate

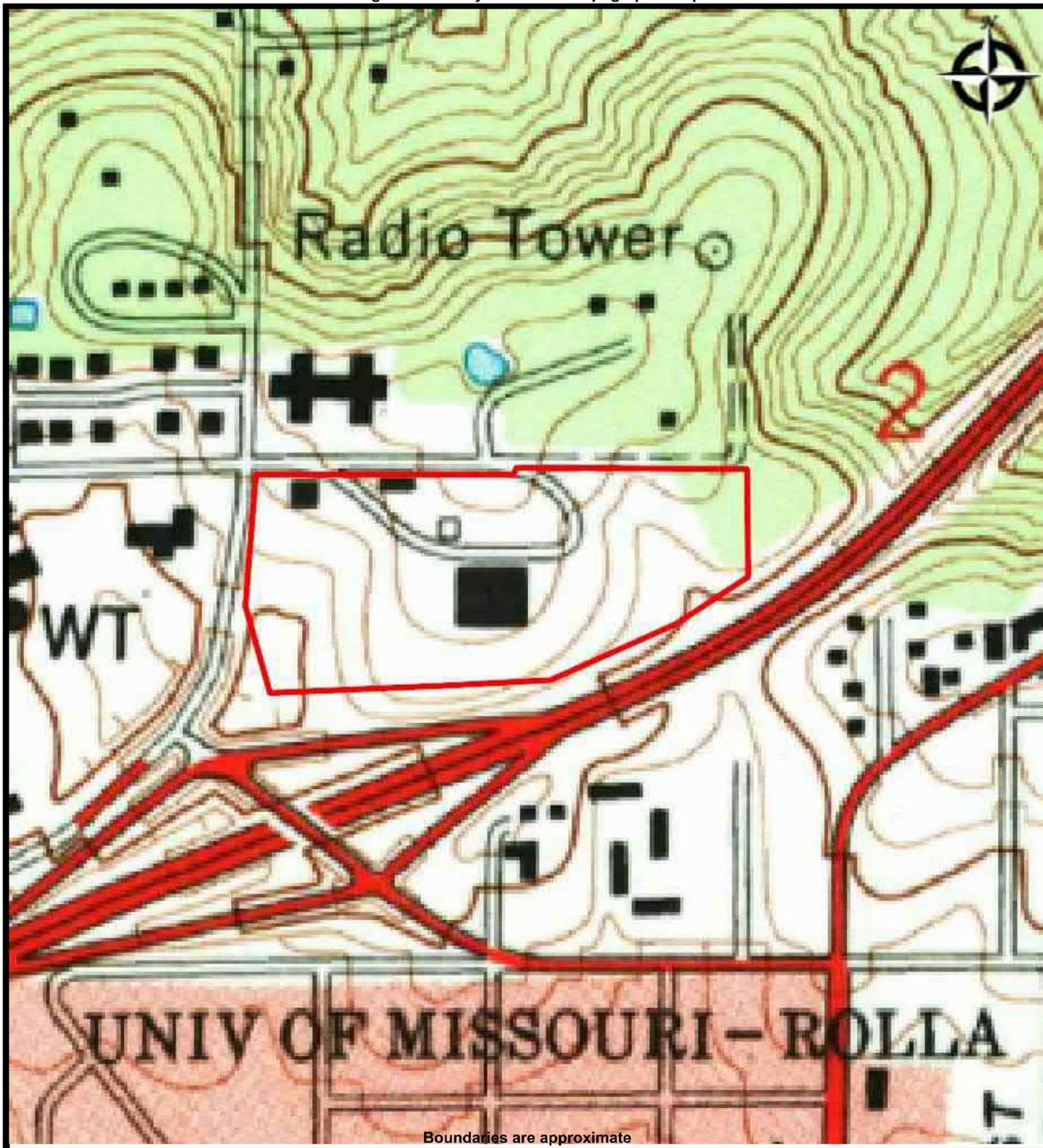


**Environmental
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TOPO MAP - 2004
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
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DRAWN BY: Leah Johns

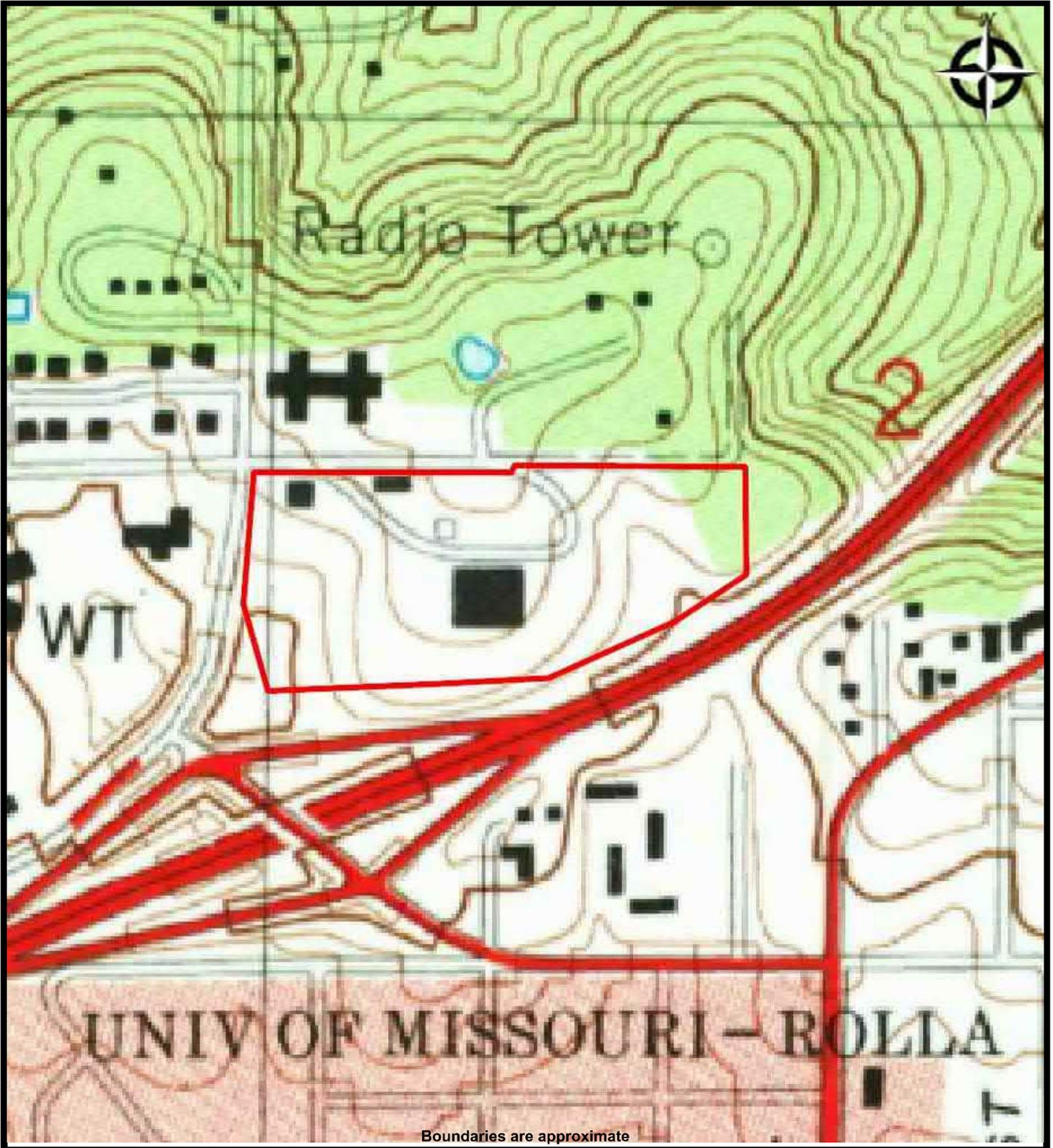
DATE: 6/17/2022
PROJ. #: 22494



TOPO MAP - 1992
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
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DRAWN BY: Leah Johns

DATE: 6/17/2022
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TOPO MAP - 1985
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

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DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate

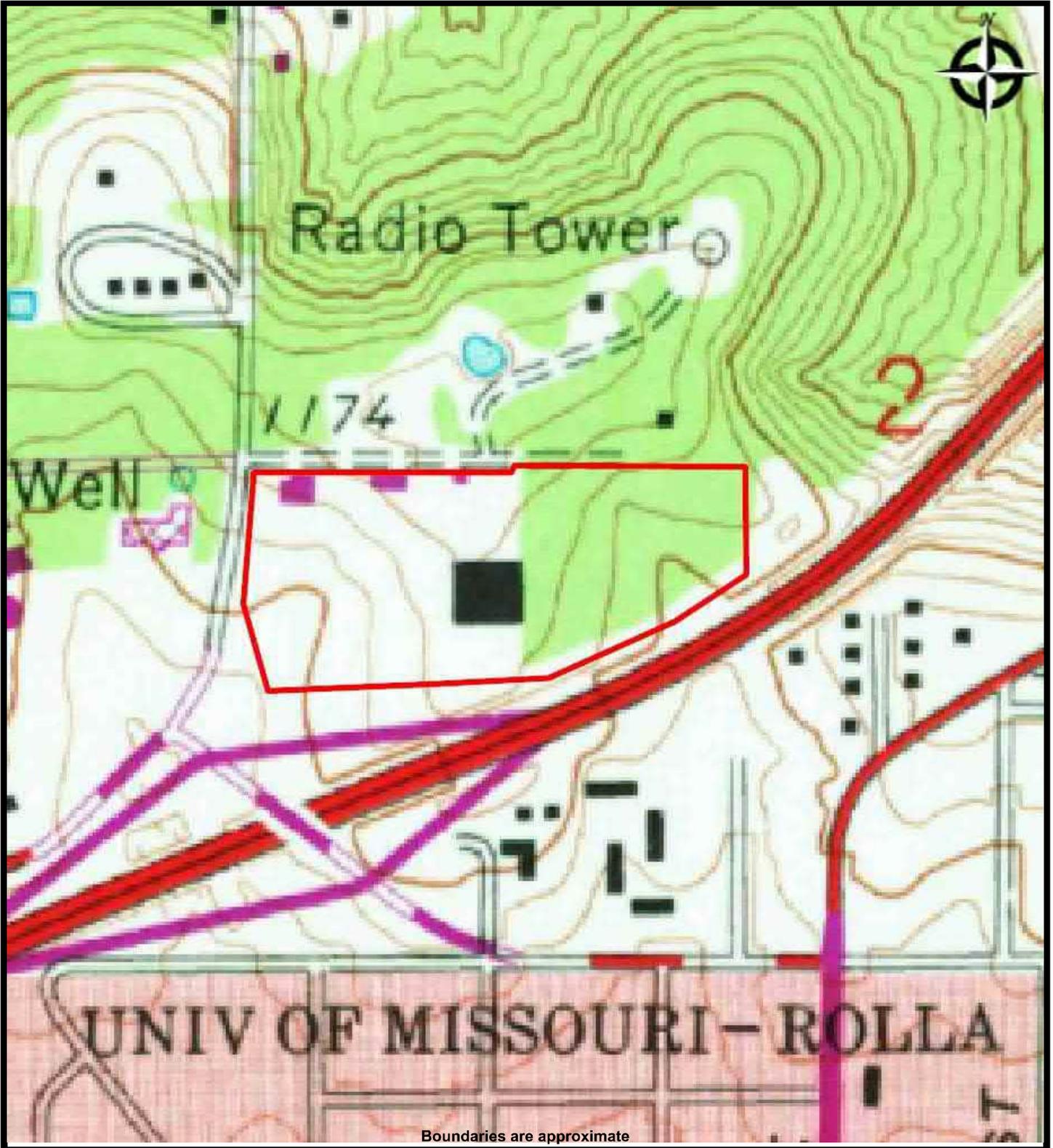


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TOPO MAP - 1980
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

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DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate

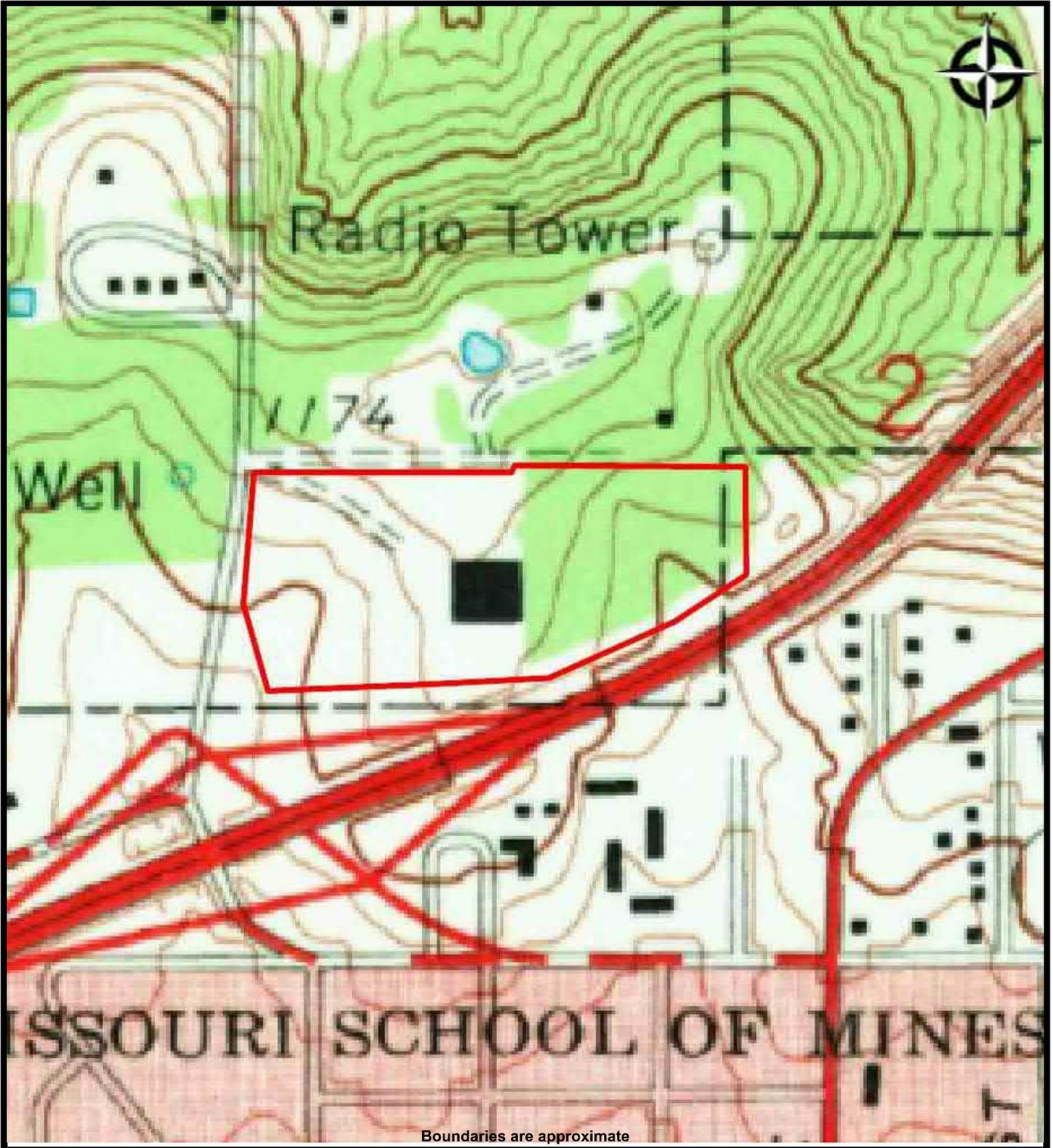


**Environmental
Operations, Inc.**
CLEARING THE WAY

TOPO MAP - 1976
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

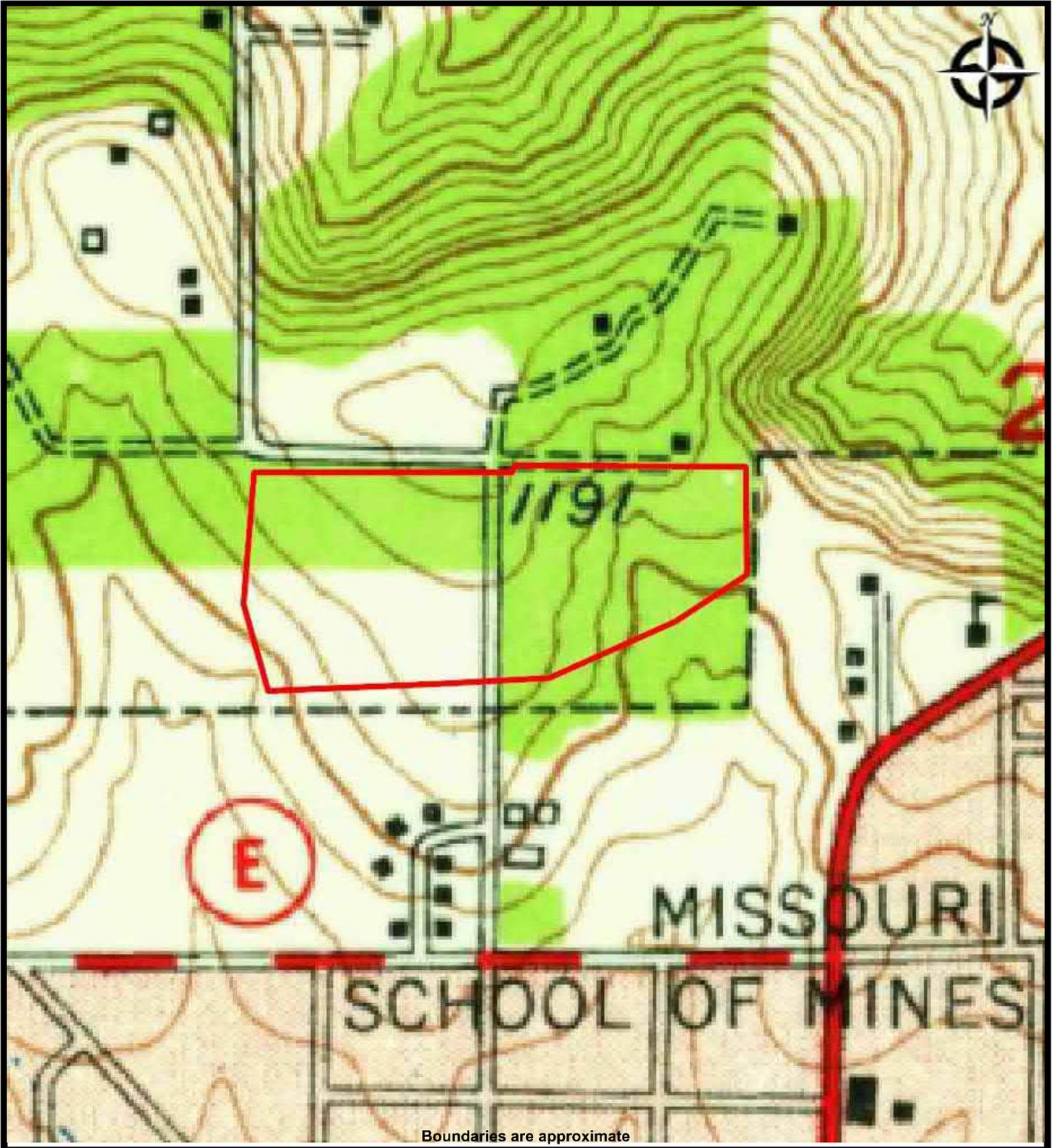
DATE: 6/17/2022
PROJ. #: 22494



TOPO MAP - 1963
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
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DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate

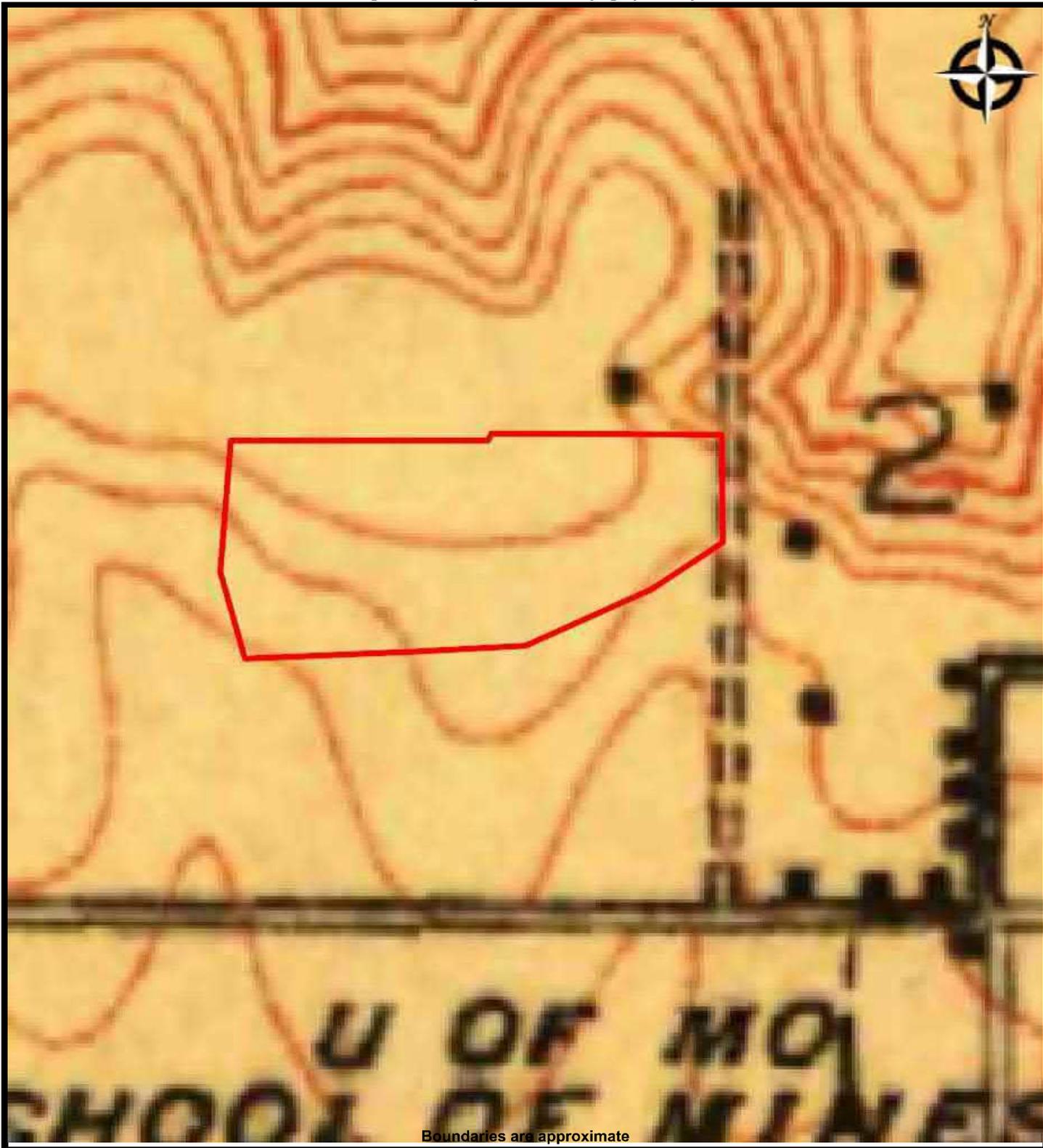


**Environmental
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TOPO MAP - 1951
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

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DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494



Boundaries are approximate



TOPO MAP - 1912
#22494 MISSOURI S & T
1001 Collegiate Boulevard
Rolla, Missouri 65401

PREPARED FOR: Missouri S & T
PROJ. MGR: Alexandria Algieri
DRAWN BY: Leah Johns

DATE: 6/17/2022
PROJ. #: 22494

Appendix 16.7

Regulatory Database

Missouri S & T Buildings

1001 Collegiate Boulevard

Rolla, MO 65401

Inquiry Number: 06993336.2r

May 24, 2022

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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| Map Findings Summary | 4 |
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| Orphan Summary | 392 |
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1001 COLLEGIATE BOULEVARD
ROLLA, MO 65401

COORDINATES

Latitude (North): 37.9579230 - 37° 57' 28.52"
Longitude (West): 91.7798820 - 91° 46' 47.57"
Universal Transverse Mercator: Zone 15
UTM X (Meters): 607188.9
UTM Y (Meters): 4201643.0
Elevation: 1183 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 10333036 ROLLA, MO
Version Date: 2017

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140729
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 1001 COLLEGIATE BOULEVARD
 ROLLA, MO 65401

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|---------------------|----------------------|----------------------|---|--------------------|-------------------------------|
| 1 | MISSOURI UNIVERSITY | 905 FACILITIES AVE | SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, 2020 | Higher | 1 ft. |
| A2 | BM-ROLLA RESEARCH CE | 900 W 14TH ST | SEMS-ARCHIVE | Lower | 714, 0.135, South |
| A3 | U S B M ROLLA RESEAR | 900 W 14TH ST | RCRA NonGen / NLR | Lower | 714, 0.135, South |
| 4 | USA #1 STOP | 1601 N BISHOP AVE | UST | Lower | 801, 0.152, East |
| B5 | THOMAS JEFFERSON RES | BISHOP AVE. AND VICH | UST | Lower | 1260, 0.239, East |
| C6 | ROLLA RESEARCH CENTE | 1300 NORTH BISHOP AV | SMARS | Lower | 1383, 0.262, SSE |
| C7 | BUREAU OF MINES | 1300 N BISHOP AVE, B | RGA LUST | Lower | 1383, 0.262, SSE |
| C8 | BUREAU OF MINES | 1300 N BISHOP AVE, B | LUST, UST, ASBESTOS | Lower | 1383, 0.262, SSE |
| C9 | ROLLA RESEARCH CENTE | 1300 NORTH BISHOP AV | VCP | Lower | 1383, 0.262, SSE |
| C10 | BUREAU OF MINES | 1300 N BISHOP ST, BU | RGA LUST | Lower | 1383, 0.262, SSE |
| B11 | MOBILE ON THE RUN #1 | 1710 N BISHOP | RGA LUST | Higher | 1475, 0.279, East |
| B12 | #120 ROLLA-MOBIL | 1710 N BISHOP | RGA LUST | Higher | 1475, 0.279, East |
| B13 | MOBILE ON THE RUN #1 | 1710 N BISHOP | LUST, UST | Higher | 1475, 0.279, East |
| B14 | ROLLA PUMP HANDLE | 1710 N BISHOP | RGA LUST | Higher | 1475, 0.279, East |
| 15 | MISSOURI UNIVERSITY | 101 GENERAL SERVICES | LAST, UST | Lower | 1853, 0.351, SE |
| D16 | #520 SMITH 66 | 1002 N BISHOP | RGA LUST | Lower | 2028, 0.384, SSE |
| D17 | #520 SMITH 66 | 1002 N BISHOP | LUST, UST | Lower | 2028, 0.384, SSE |
| E18 | STEWART APARTMENTS | TENTH AND STATE STRE | LUST, UST | Lower | 2406, 0.456, SSE |
| E19 | STEWART APARTMENTS | TENTH & STATE STREET | RGA LUST | Lower | 2406, 0.456, SSE |

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Lists of Federal RCRA generators

RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal hazardous waste facilities

SHWS..... Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Permitted Facility List

Lists of state and tribal leaking storage tanks

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
AST..... Aboveground Petroleum Storage Tanks
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

AUL..... Sites with Controls

Lists of state and tribal brownfield sites

BROWNFIELDS..... Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF..... Solid Waste Facility Database List
SWRCY..... Solid Waste Recycling Facilities
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

CDL..... Environmental Emergency Response System
DEL SHWS..... Registry Sites Withdrawn or Deleted
PFAS..... PFAS Detections

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Environmental Response Tracking Database

Other Ascertainable Records

US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
ROD..... Records Of Decision
RMP..... Risk Management Plans
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
CONSENT..... Superfund (CERCLA) Consent Decrees
FUSRAP..... Formerly Utilized Sites Remedial Action Program

EXECUTIVE SUMMARY

| | |
|--------------------------|--|
| LEAD SMELTERS..... | Lead Smelter Sites |
| US AIRS..... | Aerometric Information Retrieval System Facility Subsystem |
| ABANDONED MINES..... | Abandoned Mines |
| FINDS..... | Facility Index System/Facility Registry System |
| DOCKET HWC..... | Hazardous Waste Compliance Docket Listing |
| ECHO..... | Enforcement & Compliance History Information |
| UXO..... | Unexploded Ordnance Sites |
| FUELS PROGRAM..... | EPA Fuels Program Registered Listing |
| AIRS..... | Permit Facility Listing |
| ASBESTOS..... | Asbestos Notification Listing |
| COAL ASH..... | Coal Ash Disposal Sites |
| DRYCLEANERS..... | Drycleaners in Missouri Listing |
| Financial Assurance..... | Financial Assurance Information Listing |
| MINES..... | Industrial Mineral Mines Database |
| NPDES..... | Permitted Facility Listing |
| MO RRC..... | Certified Hazardous Waste Resource Recovery Facilities |
| UIC..... | Underground Injection Wells Database |
| MINES MRDS..... | Mineral Resources Data System |

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

| | |
|--------------|--|
| RGA HWS..... | Recovered Government Archive State Hazardous Waste Facilities List |
| RGA LF..... | Recovered Government Archive Solid Waste Facilities List |

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for

EXECUTIVE SUMMARY

listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 01/25/2022 has revealed that there are 2 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|---------------------------|-----------------------------|---------------|-------------|
| MISSOURI UNIVERSITY Site ID: 0702550 EPA Id: MOD000677773 | 905 FACILITIES AVE | 0 - 1/8 (0.000 mi.) | 1 | 7 |

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|----------------|-----------------------------|---------------|-------------|
| BM-ROLLA RESEARCH CE Site ID: 0703485 EPA Id: MOSFN0703485 | 900 W 14TH ST | S 1/8 - 1/4 (0.135 mi.) | A2 | 330 |

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 02/28/2022 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|---------------------------|-----------------------------|---------------|-------------|
| MISSOURI UNIVERSITY EPA ID:: MOD000677773 | 905 FACILITIES AVE | 0 - 1/8 (0.000 mi.) | 1 | 7 |

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 02/28/2022 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|---------------------------|-----------------------------|---------------|-------------|
| MISSOURI UNIVERSITY EPA ID:: MOD000677773 | 905 FACILITIES AVE | 0 - 1/8 (0.000 mi.) | 1 | 7 |

EXECUTIVE SUMMARY

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 02/28/2022 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|---------------------------|-----------------------------|---------------|-------------|
| MISSOURI UNIVERSITY EPA ID:: MOD000677773 | 905 FACILITIES AVE | 0 - 1/8 (0.000 mi.) | 1 | 7 |

Lists of state and tribal leaking storage tanks

LAST: A listing of leaking aboveground storage tanks.

A review of the LAST list, as provided by EDR, and dated 11/29/2021 has revealed that there is 1 LAST site within approximately 0.5 miles of the target property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|-----------------------------|---------------------------------|---------------|-------------|
| MISSOURI UNIVERSITY Facility Id: ST0005229 Date Of NFA Letter From DNR: 2007-08-08 00:00:00 | 101 GENERAL SERVICES | SE 1/4 - 1/2 (0.351 mi.) | 15 | 360 |

LUST: Leaking Underground Storage Tanks.

A review of the LUST list, as provided by EDR, and dated 11/29/2021 has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|-----------------------------|----------------------------------|---------------|-------------|
| MOBILE ON THE RUN #1 Facility Id: ST0013606 | 1710 N BISHOP | E 1/4 - 1/2 (0.279 mi.) | B13 | 349 |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| BUREAU OF MINES Facility Id: ST5800500 Date Of NFA Letter From DNR: 1998-04-14 00:00:00 | 1300 N BISHOP AVE, B | SSE 1/4 - 1/2 (0.262 mi.) | C8 | 344 |
| #520 SMITH 66 Facility Id: ST0011042 Date Of NFA Letter From DNR: 2004-12-07 00:00:00 | 1002 N BISHOP | SSE 1/4 - 1/2 (0.384 mi.) | D17 | 374 |
| STEWART APARTMENTS Facility Id: ST5800714 Date Of NFA Letter From DNR: 1994-12-20 00:00:00 | TENTH AND STATE STRE | SSE 1/4 - 1/2 (0.456 mi.) | E18 | 389 |

EXECUTIVE SUMMARY

Lists of state and tribal registered storage tanks

UST: Underground Storage Tank Information.

A review of the UST list, as provided by EDR, and dated 11/29/2021 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|----------------------|-----------------------------|---------------|-------------|
| USA #1 STOP Facility Id: ST0011082 Tank Status: Removed | 1601 N BISHOP AVE | E 1/8 - 1/4 (0.152 mi.) | 4 | 335 |
| THOMAS JEFFERSON RES Facility Id: ST0009351 Tank Status: Removed | BISHOP AVE. AND VICH | E 1/8 - 1/4 (0.239 mi.) | B5 | 342 |

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Site Listing.

A review of the VCP list, as provided by EDR, and dated 02/07/2022 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|----------------------|-----------------------------|---------------|-------------|
| ROLLA RESEARCH CENTE Facility Status: Cert. of Completion Issued | 1300 NORTH BISHOP AV | SSE 1/4 - 1/2 (0.262 mi.) | C9 | 348 |

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 02/28/2022 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|----------------|-----------------------------|---------------|-------------|
| U S B M ROLLA RESEAR EPA ID:: MOP000014738 | 900 W 14TH ST | S 1/8 - 1/4 (0.135 mi.) | A3 | 332 |

EXECUTIVE SUMMARY

2020 COR ACTION: The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

A review of the 2020 COR ACTION list, as provided by EDR, and dated 09/30/2017 has revealed that there is 1 2020 COR ACTION site within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|---------------------------|-----------------------------|---------------|-------------|
| MISSOURI UNIVERSITY EPA ID:: MOD000677773 | 905 FACILITIES AVE | 0 - 1/8 (0.000 mi.) | 1 | 7 |

SMARS: SMARS currently houses information for Superfund, Federal Facility, Brownfields Voluntary Cleanup Program and Missouri's other state response programs.

A review of the SMARS list, as provided by EDR, and dated 01/03/2022 has revealed that there is 1 SMARS site within approximately 0.5 miles of the target property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|------------------------|----------------------|-----------------------------|---------------|-------------|
| ROLLA RESEARCH CENTE | 1300 NORTH BISHOP AV | SSE 1/4 - 1/2 (0.262 mi.) | C6 | 344 |

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST: The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

A review of the RGA LUST list, as provided by EDR, has revealed that there are 7 RGA LUST sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|----------------------|-----------------------------|---------------|-------------|
| MOBILE ON THE RUN #1 Facility ID: ST0013606 | 1710 N BISHOP | E 1/4 - 1/2 (0.279 mi.) | B11 | 349 |
| #120 ROLLA-MOBIL Facility ID: ST0013606 | 1710 N BISHOP | E 1/4 - 1/2 (0.279 mi.) | B12 | 349 |
| ROLLA PUMP HANDLE Facility ID: ST0013606 | 1710 N BISHOP | E 1/4 - 1/2 (0.279 mi.) | B14 | 359 |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| BUREAU OF MINES Facility ID: ST5800500 | 1300 N BISHOP AVE, B | SSE 1/4 - 1/2 (0.262 mi.) | C7 | 344 |
| BUREAU OF MINES | 1300 N BISHOP ST, BU | SSE 1/4 - 1/2 (0.262 mi.) | C10 | 349 |

EXECUTIVE SUMMARY

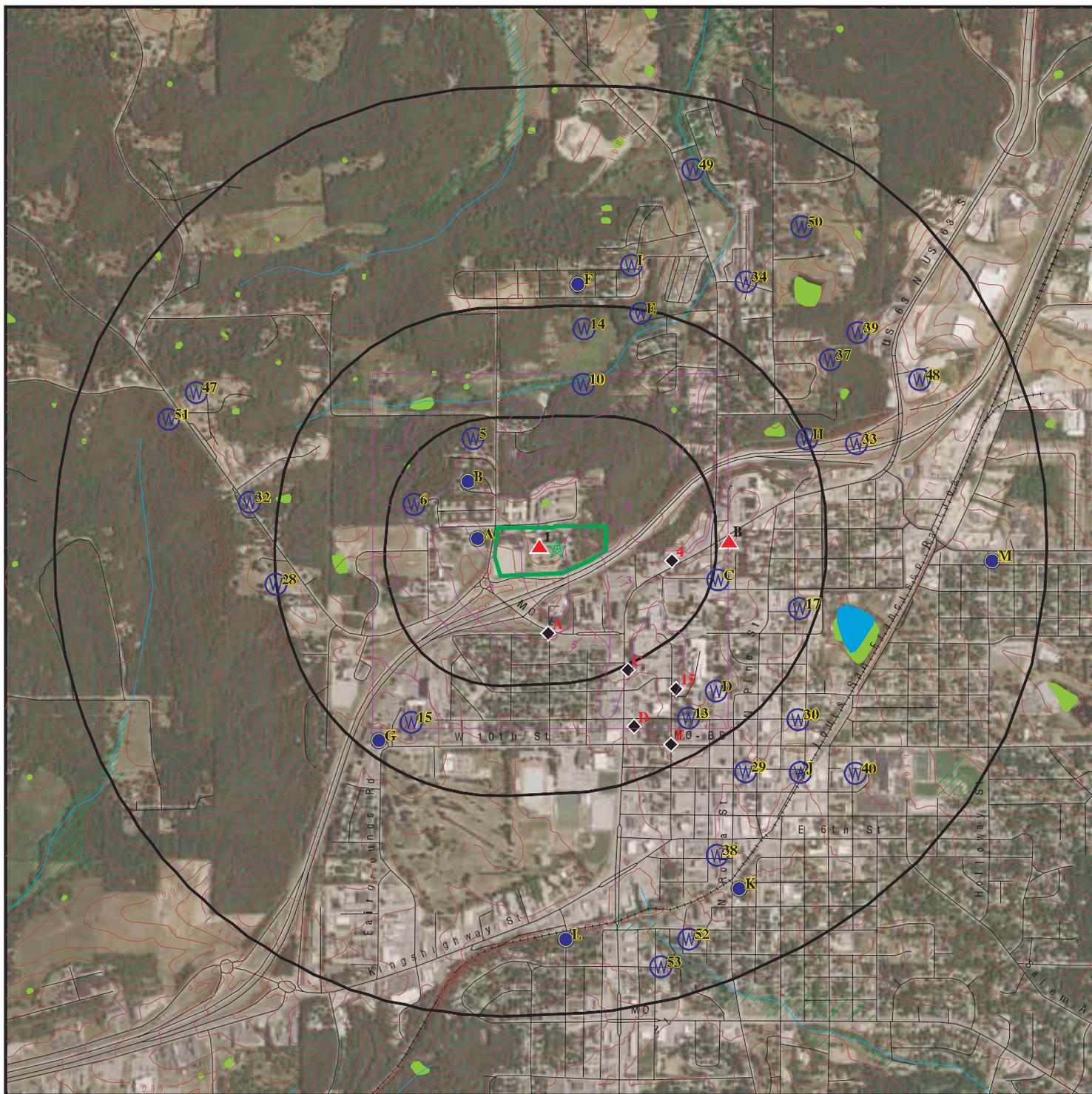
| | | | | |
|---|----------------------|---------------------------|-----|-----|
| Facility ID: ST5800500 Facility ID: NONE | | | | |
| #520 SMITH 66 Facility ID: ST0011042 | 1002 N BISHOP | SSE 1/4 - 1/2 (0.384 mi.) | D16 | 374 |
| STEWART APARTMENTS Facility ID: ST5800714 Facility ID: NONE | TENTH & STATE STREET | SSE 1/4 - 1/2 (0.456 mi.) | E19 | 391 |

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

| <u>Site Name</u> | <u>Database(s)</u> |
|------------------------|--------------------|
| POWERVILLE OUTER ROAD | SEMS-ARCHIVE |
| SARCHET, B R ARENA | SEMS-ARCHIVE |
| CHYMIK INVESTMENTS INC | LAST |

OVERVIEW MAP - 06993336.2R



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  National Priority List Sites

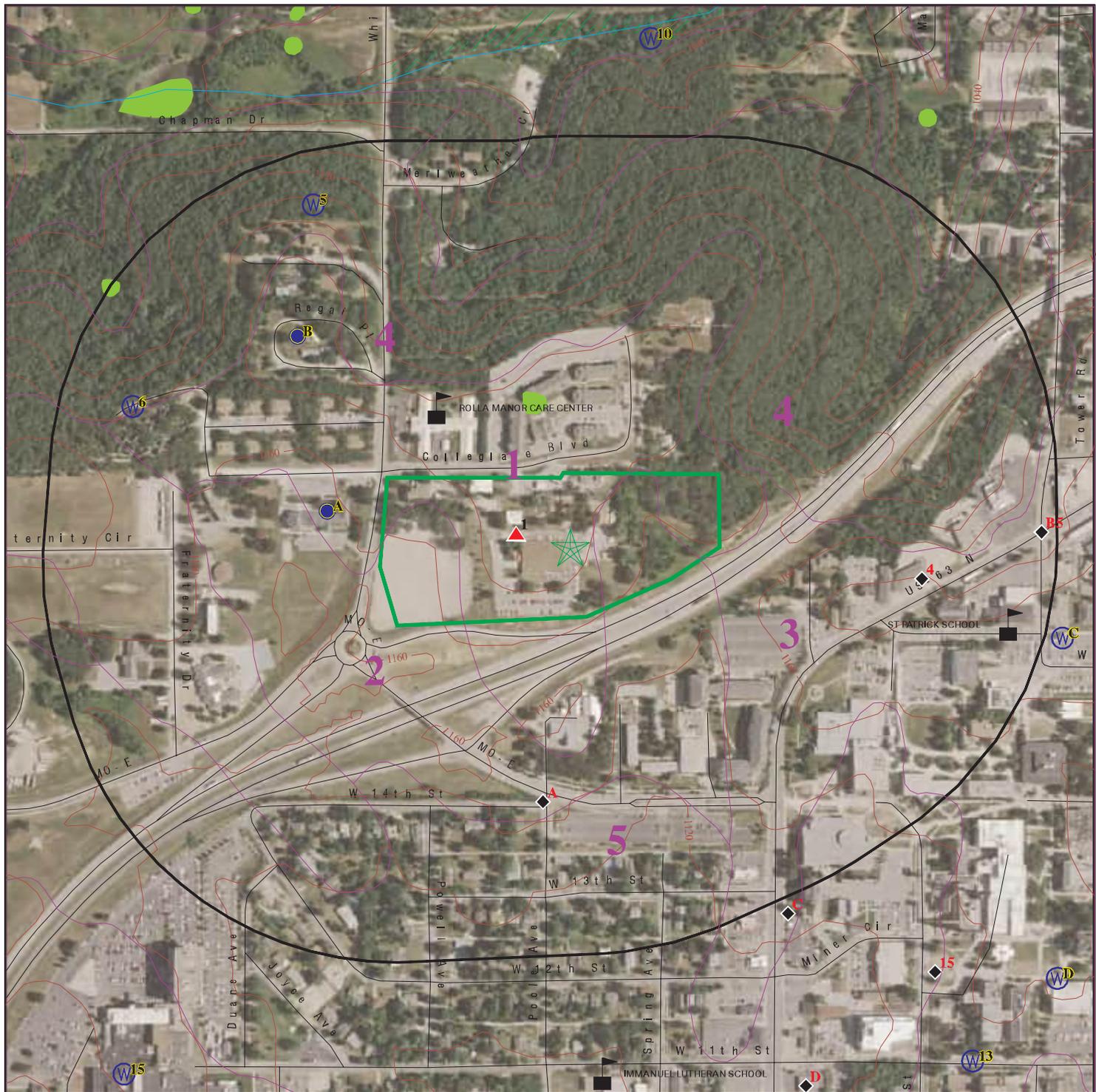
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Missouri S & T Buildings
 ADDRESS: 1001 Collegiate Boulevard
 Rolla MO 65401
 LAT/LONG: 37.957923 / 91.779882

CLIENT: Environmental Operations, Inc.
 CONTACT: Alexandria Algieri
 INQUIRY #: 06993336.2r
 DATE: May 24, 2022 4:36 pm

DETAIL MAP - 06993336.2R



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Sensitive Receptors
- National Priority List Sites

- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Missouri S & T Buildings
ADDRESS: 1001 Collegiate Boulevard
 Rolla MO 65401
LAT/LONG: 37.957923 / 91.779882

CLIENT: Environmental Operations, Inc.
CONTACT: Alexandria Algieri
INQUIRY #: 06993336.2r
DATE: May 24, 2022 4:37 pm

MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|-------------------------------|--------------------|-------|-----------|-----------|---------|-----|------------------|
| <u>STANDARD ENVIRONMENTAL RECORDS</u> | | | | | | | | |
| <i>Lists of Federal NPL (Superfund) sites</i> | | | | | | | | |
| NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Proposed NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Lists of Federal Delisted NPL sites</i> | | | | | | | | |
| Delisted NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i> | | | | | | | | |
| FEDERAL FACILITY | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| SEMS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Lists of Federal CERCLA sites with NFRAP</i> | | | | | | | | |
| SEMS-ARCHIVE | 0.500 | | 1 | 1 | 0 | NR | NR | 2 |
| <i>Lists of Federal RCRA facilities undergoing Corrective Action</i> | | | | | | | | |
| CORRACTS | 1.000 | | 1 | 0 | 0 | 0 | NR | 1 |
| <i>Lists of Federal RCRA TSD facilities</i> | | | | | | | | |
| RCRA-TSDF | 0.500 | | 1 | 0 | 0 | NR | NR | 1 |
| <i>Lists of Federal RCRA generators</i> | | | | | | | | |
| RCRA-LQG | 0.250 | | 1 | 0 | NR | NR | NR | 1 |
| RCRA-SQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| RCRA-VSQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| <i>Federal institutional controls / engineering controls registries</i> | | | | | | | | |
| US ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US INST CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Federal ERNS list</i> | | | | | | | | |
| ERNS | TP | | NR | NR | NR | NR | NR | 0 |
| <i>Lists of state- and tribal hazardous waste facilities</i> | | | | | | | | |
| SHWS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Lists of state and tribal landfills and solid waste disposal facilities</i> | | | | | | | | |
| SWF/LF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Lists of state and tribal leaking storage tanks</i> | | | | | | | | |
| LAST | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| LUST | 0.500 | | 0 | 0 | 4 | NR | NR | 4 |
| INDIAN LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |

MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|-------------------------------|--------------------|-------|-----------|-----------|---------|-----|------------------|
| <i>Lists of state and tribal registered storage tanks</i> | | | | | | | | |
| FEMA UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| UST | 0.250 | | 0 | 2 | NR | NR | NR | 2 |
| AST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| INDIAN UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| <i>State and tribal institutional control / engineering control registries</i> | | | | | | | | |
| AUL | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Lists of state and tribal voluntary cleanup sites</i> | | | | | | | | |
| VCP | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| <i>Lists of state and tribal brownfield sites</i> | | | | | | | | |
| BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <u>ADDITIONAL ENVIRONMENTAL RECORDS</u> | | | | | | | | |
| <i>Local Brownfield lists</i> | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Local Lists of Landfill / Solid Waste Disposal Sites</i> | | | | | | | | |
| HIST LF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| SWRCY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| IHS OPEN DUMPS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Local Lists of Hazardous waste / Contaminated Sites</i> | | | | | | | | |
| CDL | TP | | NR | NR | NR | NR | NR | 0 |
| DEL SHWS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| PFAS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Records of Emergency Release Reports</i> | | | | | | | | |
| HMIRS | TP | | NR | NR | NR | NR | NR | 0 |
| SPILLS | TP | | NR | NR | NR | NR | NR | 0 |
| <i>Other Ascertainable Records</i> | | | | | | | | |
| RCRA NonGen / NLR | 0.250 | | 0 | 1 | NR | NR | NR | 1 |
| US FIN ASSUR | TP | | NR | NR | NR | NR | NR | 0 |
| EPA WATCH LIST | TP | | NR | NR | NR | NR | NR | 0 |
| 2020 COR ACTION | 0.250 | | 1 | 0 | NR | NR | NR | 1 |
| TSCA | TP | | NR | NR | NR | NR | NR | 0 |
| TRIS | TP | | NR | NR | NR | NR | NR | 0 |
| ROD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| RMP | TP | | NR | NR | NR | NR | NR | 0 |
| PRP | TP | | NR | NR | NR | NR | NR | 0 |
| PADS | TP | | NR | NR | NR | NR | NR | 0 |

MAP FINDINGS SUMMARY

| <u>Database</u> | <u>Search Distance (Miles)</u> | <u>Target Property</u> | <u>< 1/8</u> | <u>1/8 - 1/4</u> | <u>1/4 - 1/2</u> | <u>1/2 - 1</u> | <u>> 1</u> | <u>Total Plotted</u> |
|---------------------|--------------------------------|------------------------|-----------------|------------------|------------------|----------------|---------------|----------------------|
| COAL ASH DOE | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH EPA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| PCB TRANSFORMER | TP | | NR | NR | NR | NR | NR | 0 |
| CONSENT | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| FUSRAP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| LEAD SMELTERS | TP | | NR | NR | NR | NR | NR | 0 |
| US AIRS | TP | | NR | NR | NR | NR | NR | 0 |
| ABANDONED MINES | TP | | NR | NR | NR | NR | NR | 0 |
| FINDS | TP | | NR | NR | NR | NR | NR | 0 |
| DOCKET HWC | TP | | NR | NR | NR | NR | NR | 0 |
| ECHO | TP | | NR | NR | NR | NR | NR | 0 |
| UXO | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| FUELS PROGRAM | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| AIRS | TP | | NR | NR | NR | NR | NR | 0 |
| ASBESTOS | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| DRYCLEANERS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| Financial Assurance | TP | | NR | NR | NR | NR | NR | 0 |
| MINES | TP | | NR | NR | NR | NR | NR | 0 |
| NPDES | TP | | NR | NR | NR | NR | NR | 0 |
| MO RRC | TP | | NR | NR | NR | NR | NR | 0 |
| SMARS | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| UIC | TP | | NR | NR | NR | NR | NR | 0 |
| MINES MRDS | TP | | NR | NR | NR | NR | NR | 0 |

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

| | | | | | | | | |
|------------|-------|---|---|---|----|----|----|----|
| RGA HWS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| RGA LF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| RGA LUST | 0.500 | | 0 | 0 | 7 | NR | NR | 7 |
| - Totals - | | 0 | 5 | 4 | 14 | 0 | 0 | 23 |

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1 MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
905 FACILITIES AVE
< 1/8 ROLLA, MO 65409
1 ft.

SEMS-ARCHIVE 1000138747
CORRACTS MOD000677773
RCRA-TSDF
RCRA-LQG
2020 COR ACTION
PADS

Relative:
Higher

Actual:
1186 ft.

SEMS Archive:
Site ID: 0702550
EPA ID: MOD000677773
Name: UMR DANGEROUS MATERIALS
Address: EL BOSA NOVA LN (UMR CAMPUS)
Address 2: Not reported
City,State,Zip: ROLLA, MO 65401
Cong District: 08
FIPS Code: 29161
FF: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region: 07
Site ID: 0702550
EPA ID: MOD000677773
Site Name: UMR DANGEROUS MATERIALS
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1997-12-29 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 07
Site ID: 0702550
EPA ID: MOD000677773
Site Name: UMR DANGEROUS MATERIALS
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1991-07-03 04:00:00
Finish Date: 1991-12-12 05:00:00
Qual: D
Current Action Lead: EPA Perf

Region: 07
Site ID: 0702550
EPA ID: MOD000677773
Site Name: UMR DANGEROUS MATERIALS
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

SEQ: 1
Start Date: 1991-06-21 04:00:00
Finish Date: 1991-06-21 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED-ASSESSMENT WAS A PA-PLUS
Actual Date: 19910930
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date: 19890917
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: CA PRIORITIZATION-MEDIUM CA PRIORITY
Actual Date: 19920128
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 19970930
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

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Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 19970930
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 19980423
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION
Actual Date: 19960819
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: REMEDY DECISION
Actual Date: 20090331
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: REMEDY CONSTRUCTION-NO REMEDY CONSTRUCTED
Actual Date: 20090331

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Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL and/OR TRT

Actual Date: 19960711
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 905 FACILITIES AVE
Address 2: Not reported
EPA ID: MOD000677773
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Actual Date: 20081110
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

[Click this hyperlink](#) while viewing on your computer to access
4 additional CORRACTS: record(s) in the EDR Site Report.

RCRA-LQG:

Date Form Received by Agency: 20220215
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Handler Address: 905 FACILITIES AVE
Handler City,State,Zip: ROLLA, MO 65409-6514
EPA ID: MOD000677773
Contact Name: TONY HUNT
Contact Address: NORTH STATE ST RM 108
Contact City,State,Zip: ROLLA, MO 65409-6535
Contact Telephone: 573-341-7645
Contact Fax: Not reported
Contact Email: THUNT@MST.EDU
Contact Title: ASSISTANT DIRECTOR EHS
EPA Region: 07
Land Type: State
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: 2021
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: NORTH STATE ST RM 108

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| | |
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| Mailing City,State,Zip: | ROLLA, MO 65409-6535 |
| Owner Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Owner Type: | State |
| Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Operator Type: | State |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | — |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Storage |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Storage |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | Yes |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | Medium |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | Yes |
| Groundwater Controls Indicator: | Yes |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20220217 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |

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Recycler Activity Without Storage: Yes
Manifest Broker: Yes
Sub-Part P Indicator: No

Biennial: List of Years

Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D005
Waste Description: BARIUM

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007

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| Waste Description: | CHROMIUM |
| Waste Code: | D008 |
| Waste Description: | LEAD |
| Waste Code: | D009 |
| Waste Description: | MERCURY |
| Waste Code: | D010 |
| Waste Description: | SELENIUM |
| Waste Code: | D011 |
| Waste Description: | SILVER |
| Waste Code: | D012 |
| Waste Description: | ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-EN DO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE) |
| Waste Code: | D013 |
| Waste Description: | LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER) |
| Waste Code: | D014 |
| Waste Description: | METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE) |
| Waste Code: | D015 |
| Waste Description: | TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE) |
| Waste Code: | D016 |
| Waste Description: | 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID) |
| Waste Code: | D017 |
| Waste Description: | 2,4,5-TP SILVEX (2,4,5-TRICHLOROPHENOXYPROPIONIC ACID) |
| Waste Code: | D018 |
| Waste Description: | BENZENE |
| Waste Code: | D019 |
| Waste Description: | CARBON TETRACHLORIDE |
| Waste Code: | D020 |
| Waste Description: | CHLORDANE |
| Waste Code: | D021 |
| Waste Description: | CHLOROBENZENE |
| Waste Code: | D022 |
| Waste Description: | CHLOROFORM |
| Waste Code: | D023 |
| Waste Description: | O-CRESOL |
| Waste Code: | D024 |
| Waste Description: | M-CRESOL |
| Waste Code: | D025 |

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| Waste Description: | P-CRESOL |
| Waste Code: | D026 |
| Waste Description: | CRESOL |
| Waste Code: | D027 |
| Waste Description: | 1,4-DICHLOROBENZENE |
| Waste Code: | D028 |
| Waste Description: | 1,2-DICHLOROETHANE |
| Waste Code: | D029 |
| Waste Description: | 1,1-DICHLOROETHYLENE |
| Waste Code: | D030 |
| Waste Description: | 2,4-DINITROTOLUENE |
| Waste Code: | D031 |
| Waste Description: | HEPTACHLOR (AND ITS EPOXIDE) |
| Waste Code: | D032 |
| Waste Description: | HEXACHLOROBENZENE |
| Waste Code: | D033 |
| Waste Description: | HEXACHLOROBUTADIENE |
| Waste Code: | D034 |
| Waste Description: | HEXACHLOROETHANE |
| Waste Code: | D035 |
| Waste Description: | METHYL ETHYL KETONE |
| Waste Code: | D036 |
| Waste Description: | NITROBENZENE |
| Waste Code: | D037 |
| Waste Description: | PENTACHLOROPHENOL |
| Waste Code: | D038 |
| Waste Description: | PYRIDINE |
| Waste Code: | D039 |
| Waste Description: | TETRACHLOROETHYLENE |
| Waste Code: | D040 |
| Waste Description: | TRICHLOROETHYLENE |
| Waste Code: | D041 |
| Waste Description: | 2,4,5-TRICHLOROPHENOL |
| Waste Code: | D042 |
| Waste Description: | 2,4,6-TRICHLOROPHENOL |
| Waste Code: | D043 |
| Waste Description: | VINYL CHLORIDE |
| Waste Code: | F001 |

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Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F004
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F006
Waste Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF

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ALUMINUM.

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| Waste Code: | F007 |
| Waste Description: | SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS. |
| Waste Code: | F008 |
| Waste Description: | PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS. |
| Waste Code: | F009 |
| Waste Description: | SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS. |
| Waste Code: | F010 |
| Waste Description: | QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS. |
| Waste Code: | F011 |
| Waste Description: | SPENT CYANIDE SOLUTIONS FROM SLAT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS. |
| Waste Code: | F012 |
| Waste Description: | QUENCHING WASTEWATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS. |
| Waste Code: | F019 |
| Waste Description: | WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS. |
| Waste Code: | F020 |
| Waste Description: | WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- OR TETRACHLOROPHENOL OR OF INTERMEDIATES USED TO PRODUCE THEIR PESTICIDE DERIVATIVES. (THIS LISTING DOES NOT INCLUDE WASTES FROM THE PRODUCTION OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL.) |
| Waste Code: | F021 |
| Waste Description: | WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES. |
| Waste Code: | F022 |
| Waste Description: | WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENES UNDER ALKALINE CONDITIONS. |
| Waste Code: | F023 |
| Waste Description: | WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- AND TETRACHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE WASTES FROM |

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EQUIPMENT USED ONLY FOR THE PRODUCTION OR USE OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL.)

- Waste Code: F024
Waste Description: PROCESS WASTES INCLUDING, BUT NOT LIMITED TO, DISTILLATION RESIDUES, HEAVY ENDS, TARS, AND REACTOR CLEAN-OUT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO, AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION. (THIS LISTING DOES NOT INCLUDE WASTEWATERS, WASTEWATER TREATMENT SLUDGE, SPENT CATALYSTS, AND WASTES LISTED IN SECTIONS 261.31. OR 261.32)
- Waste Code: F025
Waste Description: CONDENSED LIGHT ENDS, SPENT FILTERS AND FILTER AIDS, AND SPENT DESICCANT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO, AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION.
- Waste Code: F026
Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENE UNDER ALKALINE CONDITIONS.
- Waste Code: F027
Waste Description: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)
- Waste Code: F028
Waste Description: RESIDUES RESULTING FROM THE INCINERATION OR THERMAL TREATMENT OF SOIL CONTAMINATED WITH EPA HAZARDOUS WASTE NOS. F020, F021, F022, F023, F026, AND F027.
- Waste Code: F032
Waste Description: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT CURRENTLY USE, OR HAVE PREVIOUSLY USED, CHLOROPHENOLIC FORMULATIONS [EXCEPT POTENTIALLY CROSS-CONTAMINATED WASTES THAT HAVE HAD THE F032 WASTE CODE DELETED IN ACCORDANCE WITH SECTION 261.35 (I.E., THE NEWLY PROMULGATED EQUIPMENT CLEANING OR REPLACEMENT STANDARDS), AND WHERE THE GENERATOR DOES NOT RESUME OR INITIATE USE OF CHLOROPHENOLIC FORMULATIONS]. (THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.)
- Waste Code: F034
Waste Description: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT USE CREOSOTE FORMULATIONS. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING

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PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

- Waste Code: F035
Waste Description: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT USE INORGANIC PRESERVATIVES CONTAINING ARSENIC OR CHROMIUM. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.
- Waste Code: F037
Waste Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.
- Waste Code: F038
Waste Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.
- Waste Code: F039
Waste Description: LEACHATE RESULTING FROM THE TREATMENT, STORAGE, OR DISPOSAL OF WASTES CLASSIFIED BY MORE THAN ONE WASTE CODE UNDER SUBPART D, OR FROM A MIXTURE OF WASTES CLASSIFIED UNDER SUBPARTS C AND D OF THIS PART. (LEACHATE RESULTING FROM THE MANAGEMENT OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS HAZARDOUS WASTE CODE(S): F020, F021, F022, F023, F026, F027, AND/OR F028.)
- Waste Code: K001
Waste Description: BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATERS FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.
- Waste Code: K002
Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME YELLOW AND ORANGE PIGMENTS.

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| Waste Code: | K003 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF MOLYBDATE ORANGE PIGMENTS. |
| Waste Code: | K004 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF ZINC YELLOW PIGMENTS. |
| Waste Code: | K005 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME GREEN PIGMENTS. |
| Waste Code: | K006 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS (ANHYDROUS AND HYDRATED). |
| Waste Code: | K007 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF IRON BLUE PIGMENTS. |
| Waste Code: | K008 |
| Waste Description: | OVEN RESIDUE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS. |
| Waste Code: | K009 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE. |
| Waste Code: | K010 |
| Waste Description: | DISTILLATION SIDE CUTS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE. |
| Waste Code: | K011 |
| Waste Description: | BOTTOM STREAM FROM THE WASTEWATER STRIPPER IN THE PRODUCTION OF ACRYLONITRILE. |
| Waste Code: | K013 |
| Waste Description: | BOTTOM STREAM FROM THE ACETONITRILE COLUMN IN THE PRODUCTION OF ACRYLONITRILE. |
| Waste Code: | K014 |
| Waste Description: | BOTTOMS FROM THE ACETONITRILE PURIFICATION COLUMN IN THE PRODUCTION OF ACRYLONITRILE. |
| Waste Code: | K015 |
| Waste Description: | STILL BOTTOMS FROM THE DISTILLATION OF BENZYL CHLORIDE. |
| Waste Code: | K016 |
| Waste Description: | HEAVY ENDS OR DISTILLATION RESIDUES FROM THE PRODUCTION OF CARBON TETRACHLORIDE. |
| Waste Code: | K017 |
| Waste Description: | HEAVY ENDS (STILL BOTTOMS) FROM THE PURIFICATION COLUMN IN THE PRODUCTION OF EPICHLOROHYDRIN. |
| Waste Code: | K018 |
| Waste Description: | HEAVY ENDS FROM THE FRACTIONATION COLUMN IN ETHYL CHLORIDE PRODUCTION. |
| Waste Code: | K019 |

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| Waste Description: | HEAVY ENDS FROM THE DISTILLATION OF ETHYLENE DICHLORIDE IN ETHYLENE DICHLORIDE PRODUCTION. |
| Waste Code: | K020 |
| Waste Description: | HEAVY ENDS FROM THE DISTILLATION OF VINYL CHLORIDE IN VINYL CHLORIDE MONOMER PRODUCTION. |
| Waste Code: | K021 |
| Waste Description: | AQUEOUS SPENT ANTIMONY CATALYST WASTE FROM FLUOROMETHANE PRODUCTION. |
| Waste Code: | K022 |
| Waste Description: | DISTILLATION BOTTOM TARS FROM THE PRODUCTION OF PHENOL/ACETONE FROM CUMENE. |
| Waste Code: | K023 |
| Waste Description: | DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE. |
| Waste Code: | K024 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE. |
| Waste Code: | K025 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF NITROBENZENE BY THE NITRATION OF BENZENE. |
| Waste Code: | K026 |
| Waste Description: | STRIPPING STILL TAILS FROM THE PRODUCTION OF METHYL ETHYL PYRIDINES. |
| Waste Code: | K027 |
| Waste Description: | CENTRIFUGE AND DISTILLATION RESIDUES FROM TOLUENE DIISOCYANATE PRODUCTION. |
| Waste Code: | K028 |
| Waste Description: | SPENT CATALYST FROM THE HYDROCHLORINATOR REACTOR IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE. |
| Waste Code: | K029 |
| Waste Description: | WASTE FROM THE PRODUCT STEAM STRIPPER IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE. |
| Waste Code: | K030 |
| Waste Description: | COLUMN BOTTOMS OR HEAVY ENDS FROM THE COMBINED PRODUCTION OF TRICHLOROETHYLENE AND PERCHLOROETHYLENE. |
| Waste Code: | K031 |
| Waste Description: | BY-PRODUCT SALTS GENERATED IN THE PRODUCTION OF MSMA AND CACODYLIC ACID. |
| Waste Code: | K032 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHLORDANE. |
| Waste Code: | K033 |
| Waste Description: | WASTEWATER AND SCRUB WATER FROM THE CHLORINATION OF CYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE. |
| Waste Code: | K034 |

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| Waste Description: | FILTER SOLIDS FROM THE FILTRATION OF HEXACHLOROCYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE. |
| Waste Code: | K035 |
| Waste Description: | WASTEWATER TREATMENT SLUDGES GENERATED IN THE PRODUCTION OF CREOSOTE. |
| Waste Code: | K036 |
| Waste Description: | STILL BOTTOMS FROM TOLUENE RECLAMATION DISTILLATION IN THE PRODUCTION OF DISULFOTON. |
| Waste Code: | K037 |
| Waste Description: | WASTEWATER TREATMENT SLUDGES FROM THE PRODUCTION OF DISULFOTON. |
| Waste Code: | K038 |
| Waste Description: | WASTEWATER FROM THE WASHING AND STRIPPING OF PHORATE PRODUCTION. |
| Waste Code: | K039 |
| Waste Description: | FILTER CAKE FROM THE FILTRATION OF DIETHYLPHOSPHORODITHIOIC ACID IN THE PRODUCTION OF PHORATE. |
| Waste Code: | K040 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF PHORATE. |
| Waste Code: | K041 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF TOXAPHENE. |
| Waste Code: | K042 |
| Waste Description: | HEAVY ENDS OR DISTILLATION RESIDUES FROM THE DISTILLATION OF TETRACHLOROBENZENE IN THE PRODUCTION OF 2,4,5-T. |
| Waste Code: | K043 |
| Waste Description: | 2,6-DICHLOROPHENOL WASTE FROM THE PRODUCTION OF 2,4-D. |
| Waste Code: | K044 |
| Waste Description: | WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES. |
| Waste Code: | K045 |
| Waste Description: | SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES. |
| Waste Code: | K046 |
| Waste Description: | WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS. |
| Waste Code: | K047 |
| Waste Description: | PINK/RED WATER FROM TNT OPERATIONS. |
| Waste Code: | K048 |
| Waste Description: | DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY. |
| Waste Code: | K049 |
| Waste Description: | SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY. |
| Waste Code: | K050 |
| Waste Description: | HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY. |

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Waste Code: K051
Waste Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K052
Waste Description: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K060
Waste Description: AMMONIA STILL LIME SLUDGE FROM COKING OPERATIONS.

Waste Code: K061
Waste Description: EMISSION CONTROL DUST/SLUDGE FROM THE PRIMARY PRODUCTION OF STEEL IN ELECTRIC FURNACES.

Waste Code: K062
Waste Description: SPENT PICKLE LIQUOR FROM STEEL FINISHING OPERATIONS OF PLANTS THAT PRODUCE IRON OR STEEL.

Waste Code: K064
Waste Description: ACID PLANT BLOWDOWN SLURRY/SLUDGE RESULTING FROM THE THICKENING OF BLOWDOWN SLURRY FROM PRIMARY COPPER PRODUCTION.

Waste Code: K065
Waste Description: SURFACE IMPOUNDMENT SOLIDS CONTAINED IN AND DREDGED FROM SURFACE IMPOUNDMENTS AT PRIMARY LEAD SMELTING FACILITIES.

Waste Code: K066
Waste Description: SLUDGE FROM TREATMENT OF PROCESS WASTEWATER AND/OR ACID PLANT BLOWDOWN FROM PRIMARY ZINC PRODUCTION.

Waste Code: K069
Waste Description: EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING.

Waste Code: K071
Waste Description: BRINE PURIFICATION MUDS FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION, IN WHICH SEPARATELY PREPURIFIED BRINE IS NOT USED.

Waste Code: K073
Waste Description: CHLORINATED HYDROCARBON WASTE FROM THE PURIFICATION STEP OF THE DIAPHRAGM CELL PROCESS USING GRAPHITE ANODES IN CHLORINE PRODUCTION.

Waste Code: K083
Waste Description: DISTILLATION BOTTOMS FROM ANILINE PRODUCTION.

Waste Code: K084
Waste Description: WASTEWATER TREATMENT SLUDGES GENERATED DURING THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.

Waste Code: K085
Waste Description: DISTILLATION OR FRACTIONATION COLUMN BOTTOMS FROM THE PRODUCTION OF CHLOROBENZENES.

Waste Code: K086
Waste Description: SOLVENT WASHES AND SLUDGES, CAUSTIC WASHES AND SLUDGES, OR WATER WASHES AND SLUDGES FROM CLEANING TUBS AND EQUIPMENT USED IN THE FORMULATION OF INK FROM PIGMENTS, DRIERS, SOAPS, AND STABILIZERS CONTAINING CHROMIUM AND LEAD.

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| Waste Code: | K087 |
| Waste Description: | DECANTER TANK TAR SLUDGE FROM COKING OPERATIONS. |
| Waste Code: | K088 |
| Waste Description: | SPENT POTLINERS FROM PRIMARY ALUMINUM REDUCTION. |
| Waste Code: | K090 |
| Waste Description: | EMISSION CONTROL DUST OR SLUDGE FROM FERROCHROMIUMSILICON PRODUCTION. |
| Waste Code: | K091 |
| Waste Description: | EMISSION CONTROL DUST OR SLUDGE FROM FERROCHROMIUM PRODUCTION. |
| Waste Code: | K093 |
| Waste Description: | DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE. |
| Waste Code: | K094 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE. |
| Waste Code: | K095 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE. |
| Waste Code: | K096 |
| Waste Description: | HEAVY ENDS FROM THE HEAVY ENDS COLUMN FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE. |
| Waste Code: | K097 |
| Waste Description: | VACUUM STRIPPER DISCHARGE FROM THE CHLORDANE CHLORINATOR IN THE PRODUCTION OF CHLORDANE. |
| Waste Code: | K098 |
| Waste Description: | UNTREATED PROCESS WASTEWATER FROM THE PRODUCTION OF TOXAPHENE. |
| Waste Code: | K099 |
| Waste Description: | UNTREATED WASTEWATER FROM THE PRODUCTION OF 2,4-D. |
| Waste Code: | K100 |
| Waste Description: | WASTE LEACHING SOLUTION FROM ACID LEACHING OF EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING. |
| Waste Code: | K101 |
| Waste Description: | DISTILLATION TAR RESIDUES FROM THE DISTILLATION OF ANILINE-BASED COMPOUNDS IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS. |
| Waste Code: | K102 |
| Waste Description: | RESIDUE FROM THE USE OF ACTIVATED CARBON FOR DECOLORIZATION IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS. |
| Waste Code: | K103 |
| Waste Description: | PROCESS RESIDUES FROM ANILINE EXTRACTION FROM THE PRODUCTION OF ANILINE. |
| Waste Code: | K104 |
| Waste Description: | COMBINED WASTEWATERS GENERATED FROM NITROBENZENE/ANILINE PRODUCTION. |

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| Waste Code: | K105 |
| Waste Description: | SEPARATED AQUEOUS STREAM FROM THE REACTOR PRODUCT WASHING STEP IN THE PRODUCTION OF CHLOROBENZENES. |
| Waste Code: | K106 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION. |
| Waste Code: | K107 |
| Waste Description: | COLUMN BOTTOMS FROM PRODUCT SEPARATION FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE (UDMH) FROM CARBOXYLIC ACID HYDRAZIDES. |
| Waste Code: | K108 |
| Waste Description: | CONDENSED COLUMN OVERHEADS FROM PRODUCT SEPARATION AND CONDENSED REACTOR VENT GASES FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES. |
| Waste Code: | K109 |
| Waste Description: | SPENT FILTER CARTRIDGES FROM PRODUCT PURIFICATION FROM THE PRODUCT OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES. |
| Waste Code: | K110 |
| Waste Description: | CONDENSED COLUMN OVERHEADS FROM INTERMEDIATE SEPARATION FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES. |
| Waste Code: | K111 |
| Waste Description: | PRODUCT WASHWATERS FROM THE PRODUCTION OF DINITROTOLUENE VIA NITRATION OF TOLUENE. |
| Waste Code: | K112 |
| Waste Description: | REACTION BY-PRODUCT WATER FROM THE DRYING COLUMN IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE. |
| Waste Code: | K113 |
| Waste Description: | CONDENSED LIQUID LIGHT ENDS FROM PURIFICATION OF TOLUENEDIAMINE IN PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE. |
| Waste Code: | K114 |
| Waste Description: | VICINALS FROM THE PURIFICATION OF TOLUENEDIAMINE IN PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE. |
| Waste Code: | K115 |
| Waste Description: | HEAVY ENDS FROM PURIFICATION OF TOLUENEDIAMINE IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE. |
| Waste Code: | K116 |
| Waste Description: | ORGANIC CONDENSATE FROM THE SOLVENT RECOVERY COLUMN IN THE PRODUCTION OF TOLUENE DIISOCYANATE VIA PHOSGENATION OF TOLUENEDIAMINE. |
| Waste Code: | K117 |
| Waste Description: | WASTEWATER FROM THE REACTOR VENT GAS SCRUBBER IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE. |
| Waste Code: | K118 |
| Waste Description: | SPENT ADSORBENT SOLIDS FROM PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE. |

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| Waste Code: | K123 |
| Waste Description: | PROCESS WASTEWATER (INCLUDING SUPERNATES, FILTRATES, AND WASHWATERS) FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS. |
| Waste Code: | K124 |
| Waste Description: | REACTOR VENT SCRUBBER WATER FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS. |
| Waste Code: | K125 |
| Waste Description: | FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS. |
| Waste Code: | K126 |
| Waste Description: | BAGHOUSE DUST AND FLOOR SWEEPINGS IN MILLING AND PACKAGING OPERATIONS FROM PRODUCTION OR FORMULATION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS. |
| Waste Code: | K131 |
| Waste Description: | WASTEWATER FROM THE REACTOR AND SPENT SULFURIC ACID FROM THE ACID DRYER FROM THE PRODUCTION OF METHYL BROMIDE. |
| Waste Code: | K132 |
| Waste Description: | SPENT ABSORBENT AND WASTEWATER SEPARATOR SOLIDS FROM THE PRODUCTION OF METHYL BROMIDE. |
| Waste Code: | K136 |
| Waste Description: | STILL BOTTOMS FROM THE PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE. |
| Waste Code: | K141 |
| Waste Description: | PROCESS RESIDUES FROM THE RECOVERY OF COAL TAR, INCLUDING, BUT NOT LIMITED TO, TAR COLLECTING SUMP RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. THIS LISTING DOES NOT INCLUDE K087 (DECANTER TANK SLUDGE FROM COKING OPERATIONS). |
| Waste Code: | K142 |
| Waste Description: | TANK STORAGE RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR FROM THE RECOVERY OF COKE BY-PRODUCTS FROM COAL. |
| Waste Code: | K143 |
| Waste Description: | PROCESS RESIDUES FROM THE RECOVERY OF LIGHT OIL, INCLUDING, BUT NOT LIMITED TO, THOSE GENERATED IN STILLs, DECANTERS, AND WASH OIL RECOVERY UNITS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. |
| Waste Code: | K144 |
| Waste Description: | WASTEWATER SUMP RESIDUES FROM LIGHT OIL REFINING, INCLUDING, BUT NOT LIMITED TO, INTERCEPTING OR CONTAMINATION SUMP SLUDGES FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. |
| Waste Code: | K145 |
| Waste Description: | RESIDUES FROM NAPHTHALENE COLLECTION AND RECOVERY OPERATIONS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. |
| Waste Code: | K147 |
| Waste Description: | TAR STORAGE RESIDUES FROM COAL TAR REFINING. |

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| Waste Code: | K148 |
| Waste Description: | RESIDUES FROM COAL TAR DISTILLATION, INCLUDING, BUT NOT LIMITED TO, STILL BOTTOMS. |
| Waste Code: | K149 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, RING-CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS. [THIS WASTE DOES NOT INCLUDE STILL BOTTOMS FROM THE DISTILLATION OF BENZOYL CHLORIDE] |
| Waste Code: | K150 |
| Waste Description: | ORGANIC RESIDUES EXCLUDING SPENT CARBON ADSORBENT, FROM THE SPENT CHLORINE GAS AND HYDROCHLORIC ACID RECOVERY PROCESSES ASSOCIATED WITH THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS. |
| Waste Code: | K151 |
| Waste Description: | WASTEWATER TREATMENT SLUDGES, EXCLUDING NEUTRALIZATION AND BIOLOGICAL SLUDGES, GENERATED DURING THE TREATMENT OF WASTEWATERS FROM THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS. |
| Waste Code: | K156 |
| Waste Description: | ORGANIC WASTE (INCLUDING HEAVY ENDS, STILL BOTTOMS, LIGHT ENDS, SPENT SOLVENTS, FILTRATES, AND DECANTATES) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES. |
| Waste Code: | K157 |
| Waste Description: | WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES. |
| Waste Code: | K158 |
| Waste Description: | BAG HOUSE DUSTS AND FILTER/SEPARATION SOLIDS FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES. |
| Waste Code: | K159 |
| Waste Description: | ORGANICS FROM THE TREATMENT OF THIOCARBAMATE WASTES. |
| Waste Code: | K160 |
| Waste Description: | SOLIDS (INCLUDING FILTER WASTES, SEPARATION SOLIDS, AND SPENT CATALYSTS) FROM THE PRODUCTION OF THIOCARBAMATES AND SOLIDS FROM THE TREATMENT OF THIOCARBAMATE WASTES. |
| Waste Code: | K161 |
| Waste Description: | PURIFICATION SOLIDS (INCLUDING FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS), BAG HOUSE DUST AND FLOOR SWEEPINGS FROM THE PRODUCTION OF DITHIOCARBAMATE ACIDS AND THEIR SALTS. (THIS LISTING DOES NOT INCLUDE K125 OR K126). |
| Waste Code: | LABP |
| Waste Description: | LAB PACK |
| Waste Code: | NONE |
| Waste Description: | Not Defined |
| Waste Code: | P001 |

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| Waste Description: | 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% |
| Waste Code: | P002 |
| Waste Description: | 1-ACETYL-2-THIOUREA (OR) ACETAMIDE, N-(AMINOTHIOXOMETHYL)- |
| Waste Code: | P003 |
| Waste Description: | 2-PROPENAL (OR) ACROLEIN |
| Waste Code: | P004 |
| Waste Description: | 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5ALPHA, 8ALPHA, 8ABETA)- (OR) ALDRIN |
| Waste Code: | P005 |
| Waste Description: | 2-PROPEN-1-OL (OR) ALLYL ALCOHOL |
| Waste Code: | P006 |
| Waste Description: | ALUMINUM PHOSPHIDE (R,T) |
| Waste Code: | P007 |
| Waste Description: | 3(2H)-ISOXAZOLONE, 5-(AMINOMETHYL)- (OR) 5-(AMINOMETHYL)-3-ISOXAZOLOL |
| Waste Code: | P008 |
| Waste Description: | 4-AMINOPYRIDINE (OR) 4-PYRIDINAMINE |
| Waste Code: | P009 |
| Waste Description: | AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R) |
| Waste Code: | P010 |
| Waste Description: | ARSENIC ACID H3ASO4 |
| Waste Code: | P011 |
| Waste Description: | ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE |
| Waste Code: | P012 |
| Waste Description: | ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE |
| Waste Code: | P013 |
| Waste Description: | BARIUM CYANIDE |
| Waste Code: | P014 |
| Waste Description: | BENZENETHIOL (OR) THIOPHENOL |
| Waste Code: | P015 |
| Waste Description: | BERYLLIUM |
| Waste Code: | P016 |
| Waste Description: | DICHLOROMETHYL ETHER (OR) METHANE, OXYBIS[CHLORO- |
| Waste Code: | P017 |
| Waste Description: | 2-PROPANONE, 1-BROMO- (OR) BROMOACETONE |
| Waste Code: | P018 |
| Waste Description: | BRUCINE (OR) STRYCHNIDIN-10-ONE, 2,3-DIMETHOXY- |

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| Waste Code: | P020 |
| Waste Description: | DINOSEB (OR) PHENOL, 2-(1-METHYLPROPYL)-4,6-DINITRO- |
| Waste Code: | P021 |
| Waste Description: | CALCIUM CYANIDE (OR) CALCIUM CYANIDE CA(CN)2 |
| Waste Code: | P022 |
| Waste Description: | CARBON DISULFIDE |
| Waste Code: | P023 |
| Waste Description: | ACETALDEHYDE, CHLORO- (OR) CHLOROACETALDEHYDE |
| Waste Code: | P024 |
| Waste Description: | BENZENAMINE, 4-CHLORO- (OR) P-CHLORANILINE |
| Waste Code: | P026 |
| Waste Description: | 1-(O-CHLOROPHENYL)THIOUREA (OR) THIOUREA, (2-CHLOROPHENYL)- |
| Waste Code: | P027 |
| Waste Description: | 3-CHLOROPROPIONITRILE (OR) PROPANENITRILE, 3-CHLORO- |
| Waste Code: | P028 |
| Waste Description: | BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE |
| Waste Code: | P029 |
| Waste Description: | COPPER CYANIDE (OR) COPPER CYANIDE CU(CN) |
| Waste Code: | P030 |
| Waste Description: | CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED |
| Waste Code: | P031 |
| Waste Description: | CYANOGEN (OR) ETHANEDINITRILE |
| Waste Code: | P033 |
| Waste Description: | CYANOGEN CHLORIDE (OR) CYANOGEN CHLORIDE (CN)CL |
| Waste Code: | P034 |
| Waste Description: | 2-CYCLOHEXYL-4,6-DINITROPHENOL (OR) PHENOL, 2-CYCLOHEXYL-4,6-DINITRO- |
| Waste Code: | P036 |
| Waste Description: | ARSONOUS DICHLORIDE, PHENYL- (OR) DICHLOROPHENYLARSINE |
| Waste Code: | P037 |
| Waste Description: | 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2AALPHA, 3BETA, 6BETA, 6AALPHA, 7BETA, 7AALPHA)- (OR) DIELDRIN |
| Waste Code: | P038 |
| Waste Description: | ARSINE, DIETHYL- (OR) DIETHYLARSINE |
| Waste Code: | P039 |
| Waste Description: | DISULFOTON (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[2-(ETHYLTHIO)ETHYL] ESTER |
| Waste Code: | P040 |
| Waste Description: | O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL O-PYRAZINYL ESTER |

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| Waste Code: | P041 |
| Waste Description: | DIETHYL-P-NITROPHENYL PHOSPHATE (OR) PHOSPHORIC ACID, DIETHYL 4-NITROPHENYL ESTER |
| Waste Code: | P042 |
| Waste Description: | 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE |
| Waste Code: | P043 |
| Waste Description: | DIISOPROPYLFLUOROPHOSPHATE (DFP) (OR) PHOSPHOROFUORIDIC ACID, BIS(1-METHYLETHYL) ESTER |
| Waste Code: | P044 |
| Waste Description: | DIMETHOATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIMETHYL S-[2-(METHYLAMINO)-2-OXOETHYL] ESTER |
| Waste Code: | P045 |
| Waste Description: | 2-BUTANONE, 3,3-DIMETHYL-1-(METHYLTHIO)-, O-[METHYLAMINO)CARBONYL] OXIME (OR) THIOFANOX |
| Waste Code: | P046 |
| Waste Description: | ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA, ALPHA-DIMETHYL- |
| Waste Code: | P047 |
| Waste Description: | 4,6-DINITRO-O-CRESOL, & SALTS (OR) PHENOL, 2-METHYL-4,6-DINITRO-, & SALTS |
| Waste Code: | P048 |
| Waste Description: | 2,4-DINITROPHENOL (OR) PHENOL, 2,4-DINITRO- |
| Waste Code: | P049 |
| Waste Description: | DITHIOBIURET (OR) THIOIMIDODICARBONIC DIAMIDE [(H2N)C(S)]2NH |
| Waste Code: | P050 |
| Waste Description: | 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6, 9,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN |
| Waste Code: | P051 |
| Waste Description: | 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES (OR) ENDRIN (OR) ENDRIN, & METABOLITES |
| Waste Code: | P054 |
| Waste Description: | AZIRIDINE (OR) ETHYLENEIMINE |
| Waste Code: | P056 |
| Waste Description: | FLUORINE |
| Waste Code: | P057 |
| Waste Description: | ACETAMIDE, 2-FLUORO- (OR) FLUOROACETAMIDE |
| Waste Code: | P058 |
| Waste Description: | ACETIC ACID, FLUORO-, SODIUM SALT (OR) FLUOROACETIC ACID, SODIUM SALT |
| Waste Code: | P059 |

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| Waste Description: | 4,7-METHANO-1H-INDENE, 1,4,5,6,7,8-HEPTACHLORO-3A,4,7,7A-TETRAHYDRO-(OR) HEPTACHLOR |
| Waste Code: | P060 |
| Waste Description: | 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5BETA, 8BETA, 8ABETA)- (OR) ISODRIN |
| Waste Code: | P062 |
| Waste Description: | HEXAETHYL TETRAPHOSPHATE (OR) TETRAPHOSPHORIC ACID, HEXAETHYL ESTER |
| Waste Code: | P063 |
| Waste Description: | HYDROCYANIC ACID (OR) HYDROGEN CYANIDE |
| Waste Code: | P064 |
| Waste Description: | METHANE, ISOCYANATO- (OR) METHYL ISOCYANATE |
| Waste Code: | P065 |
| Waste Description: | FULMINIC ACID, MERCURY(2+) SALT (R,T) (OR) MERCURY FULMINATE (R,T) |
| Waste Code: | P066 |
| Waste Description: | ETHANIMIDOTHIOIC ACID, N-[[[(METHYLAMINO)CARBONYL]OXY]-, METHYL ESTER (OR) METHOMYL |
| Waste Code: | P067 |
| Waste Description: | 1,2-PROPYLENIMINE (OR) AZIRIDINE, 2-METHYL- |
| Waste Code: | P068 |
| Waste Description: | HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE |
| Waste Code: | P069 |
| Waste Description: | 2-METHYLLACTONITRILE (OR) PROPANENITRILE, 2-HYDROXY-2-METHYL- |
| Waste Code: | P070 |
| Waste Description: | ALDICARB (OR) PROPANAL, 2-METHYL-2-(METHYLTHIO)-, O-[(METHYLAMINO)CARBONYL]OXIME |
| Waste Code: | P071 |
| Waste Description: | METHYL PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O,-DIMETHYL O-(4-NITROPHENYL) ESTER |
| Waste Code: | P072 |
| Waste Description: | ALPHA-NAPHTHYLTHIOUREA (OR) THIOUREA, 1-NAPHTHALENYL- |
| Waste Code: | P073 |
| Waste Description: | NICKEL CARBONYL (OR) NICKEL CARBONYL NI(CO)4, (T-4)- |
| Waste Code: | P074 |
| Waste Description: | NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2 |
| Waste Code: | P075 |
| Waste Description: | NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS |
| Waste Code: | P076 |
| Waste Description: | NITRIC OXIDE (OR) NITROGEN OXIDE NO |

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| Waste Code: | P077 |
| Waste Description: | BENZENAMINE, 4-NITRO- (OR) P-NITROANILINE |
| Waste Code: | P078 |
| Waste Description: | NITROGEN DIOXIDE (OR) NITROGEN OXIDE NO2 |
| Waste Code: | P081 |
| Waste Description: | 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R) |
| Waste Code: | P082 |
| Waste Description: | METHANIMINE, N-METHYL-N-NITROSO- (OR) N-NITROSODIMETHYLAMINE |
| Waste Code: | P084 |
| Waste Description: | N-NITROSOMETHYLVINYLAMINE (OR) VINYLAMINE, N-METHYL-N-NITROSO- |
| Waste Code: | P085 |
| Waste Description: | DIPHOSPHORAMIDE, OCTAMETHYL- (OR) OCTAMETHYLPYROPHOSPHORAMIDE |
| Waste Code: | P087 |
| Waste Description: | OSMIUM OXIDE OSO4, (T-4)- (OR) OSMIUM TETROXIDE |
| Waste Code: | P088 |
| Waste Description: | 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ACID (OR) ENDOTHALL |
| Waste Code: | P089 |
| Waste Description: | PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL-O-(4-NITROPHENYL) ESTER |
| Waste Code: | P092 |
| Waste Description: | MERCURY, (ACETATO-O)PHENYL- (OR) PHENYLMERCURY ACETATE |
| Waste Code: | P093 |
| Waste Description: | PHENYLTHIOUREA (OR) THIOUREA, PHENYL- |
| Waste Code: | P094 |
| Waste Description: | PHORATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[(ETHYLTHIO)METHYL] ESTER |
| Waste Code: | P095 |
| Waste Description: | CARBONIC DICHLORIDE (OR) PHOSGENE |
| Waste Code: | P096 |
| Waste Description: | HYDROGEN PHOSPHIDE (OR) PHOSPHINE |
| Waste Code: | P097 |
| Waste Description: | FAMPHUR (OR) PHOSPHOROTHIOIC ACID O-[4-[(DIMETHYLAMINO)SULFONYL]PHENYL] O,O-DIMETHYL ESTER |
| Waste Code: | P098 |
| Waste Description: | POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN) |
| Waste Code: | P099 |
| Waste Description: | ARGENTATE (1-), BIS(CYANO-C)-, POTASSIUM (OR) POTASSIUM SILVER CYANIDE |
| Waste Code: | P101 |
| Waste Description: | ETHYL CYANIDE (OR) PROPANENITRILE |

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| Waste Code: | P102 |
| Waste Description: | 2-PROPYN-1-OL (OR) PROPARGYL ALCOHOL |
| Waste Code: | P103 |
| Waste Description: | SELENOUREA |
| Waste Code: | P104 |
| Waste Description: | SILVER CYANIDE (OR) SILVER CYANIDE AG(CN) |
| Waste Code: | P105 |
| Waste Description: | SODIUM AZIDE |
| Waste Code: | P106 |
| Waste Description: | SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN) |
| Waste Code: | P108 |
| Waste Description: | STRYCHNIDIN-10-ONE, & SALTS (OR) STRYCHNINE, & SALTS |
| Waste Code: | P109 |
| Waste Description: | TETRAETHYLDITHIOPYROPHOSPHATE (OR) THIODIPHOSPHORIC ACID, TETRAETHYL ESTER |
| Waste Code: | P110 |
| Waste Description: | PLUMBANE, TETRAETHYL- (OR) TETRAETHYL LEAD |
| Waste Code: | P111 |
| Waste Description: | DIPHOSPHORIC ACID, TETRAETHYL ESTER (OR) TETRAETHYL PYROPHOSPHATE |
| Waste Code: | P112 |
| Waste Description: | METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R) |
| Waste Code: | P113 |
| Waste Description: | THALLIC OXIDE (OR) THALLIUM OXIDE TL2O3 |
| Waste Code: | P114 |
| Waste Description: | SELENIOS ACID, DITHALLIUM (1+) SALT (OR) THALLIUM(I) SELENITE |
| Waste Code: | P115 |
| Waste Description: | SULFURIC ACID, DITHALLIUM (1+) SALT (OR) THALLIUM(I) SULFATE |
| Waste Code: | P116 |
| Waste Description: | HYDRAZINECARBOTHIOAMIDE (OR) THIOSEMICARBAZIDE |
| Waste Code: | P118 |
| Waste Description: | METHANETHIOL, TRICHLORO- (OR) TRICHLOROMETHANETHIOL |
| Waste Code: | P119 |
| Waste Description: | AMMONIUM VANADATE (OR) VANADIC ACID, AMMONIUM SALT |
| Waste Code: | P120 |
| Waste Description: | VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE |
| Waste Code: | P121 |
| Waste Description: | ZINC CYANIDE (OR) ZINC CYANIDE ZN(CN)2 |
| Waste Code: | P122 |
| Waste Description: | ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% |

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| | (R,T) | |
| Waste Code: | P123 | |
| Waste Description: | TOXAPHENE | |
| Waste Code: | P185 | |
| Waste Description: | 1,3-DITHIOLANE-2-CARBOXALDEHYDE, 2,4-DIMETHYL-, O- [(METHYLAMINO)-CARBONYL]OXIME (OR) TIRPATE | |
| Waste Code: | P188 | |
| Waste Description: | BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL- 5-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE | |
| Waste Code: | P189 | |
| Waste Description: | CARBAMIC ACID, [(DIBUTYLAMINO)-THIO]METHYL-, 2,3-DIHYDRO-2,2-DIMETHYL -7-BENZOFURANYL ESTER (OR) CARBOSULFAN | |
| Waste Code: | P190 | |
| Waste Description: | CARBAMIC ACID, METHYL-, 3-METHYLPHENYL ESTER (OR) METOLCARB | |
| Waste Code: | P191 | |
| Waste Description: | CARBAMIC ACID, DIMETHYL-, 1-[(DIMETHYL-AMINO)CARBONYL]- 5-METHYL-1H- PYRAZOL-3-YL ESTER (OR) DIMETILAN | |
| Waste Code: | P192 | |
| Waste Description: | ISOLAN (OR) CARBAMIC ACID, DIMETHYL-, 3-METHYL-(1-METHYLETHYL)-1H- PYRAZOL-5-YL ESTER | |
| Waste Code: | P194 | |
| Waste Description: | ETHANIMIDOTHIOC ACID, 2-(DIMETHYLAMINO)-N-[[[(METHYLAMINO) CARBONYL]OXY]-2-OXO-, METHYL ESTER (OR) OXAMYL | |
| Waste Code: | P196 | |
| Waste Description: | MANGANESE DIMETHYLDITHIOCARBAMATE (OR) MANGANESE, BIS(DIMETHYLCARBAMODITHIOATO-S,S')-, | |
| Waste Code: | P197 | |
| Waste Description: | FORMPARANATE (OR) METHANIMIDAMIDE, N,N-DIMETHYL-N'-[2-METHYL-4-[[[(METHYLAMINO)CARBONYL]OXY]PHENYL] | |
| Waste Code: | P198 | |
| Waste Description: | METHANIMIDAMIDE, N,N-DIMETHYL-N'-[3-[[[(METHYLAMINO)-CARBONYL]OXY]PHENYL]-, MONOHYDROCHLORIDE (OR) FORMETANATE HYDROCHLORIDE | |
| Waste Code: | P201 | |
| Waste Description: | PHENOL, 3-METHYL-5-(1-METHYLETHYL)-, METHYL CARBAMATE (OR) PROMECARB | |
| Waste Code: | P202 | |
| Waste Description: | M-CUMENYL METHYLCARBAMATE (OR) 3-ISOPROPYLPHENYL N-METHYLCARBAMATE (OR) PHENOL, 3-(1-METHYLETHYL)-, METHYL CARBAMATE | |
| Waste Code: | P203 | |
| Waste Description: | ALDICARB SULFONE (OR) PROPANAL, 2-METHYL-2-(METHYL-SULFONYL)-, O-[(METHYLAMINO)CARBONYL] OXIME | |

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| Waste Code: | P204 |
| Waste Description: | PHYSOSTIGMINE (OR) PYRROLO[2,3-B]INDOL-5-OL, 1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYL-METHYLCARBAMATE (ESTER), (3AS-CIS)- |
| Waste Code: | P205 |
| Waste Description: | ZINC, BIS(DIMETHYLCARBAMODITHIOATO-S,S'), (OR) ZIRAM |
| Waste Code: | U001 |
| Waste Description: | ACETALDEHYDE (I) (OR) ETHANAL (I) |
| Waste Code: | U002 |
| Waste Description: | 2-PROPANONE (I) (OR) ACETONE (I) |
| Waste Code: | U003 |
| Waste Description: | ACETONITRILE (I,T) |
| Waste Code: | U004 |
| Waste Description: | ACETOPHENONE (OR) ETHANONE, 1-PHENYL- |
| Waste Code: | U005 |
| Waste Description: | 2-ACETYLAMINOFLUORENE (OR) ACETAMIDE, N-9H-FLUOREN-2-YL |
| Waste Code: | U006 |
| Waste Description: | ACETYL CHLORIDE (C,R,T) |
| Waste Code: | U007 |
| Waste Description: | 2-PROPENAMIDE (OR) ACRYLAMIDE |
| Waste Code: | U008 |
| Waste Description: | 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I) |
| Waste Code: | U009 |
| Waste Description: | 2-PROPENENITRILE (OR) ACRYLONITRILE |
| Waste Code: | U010 |
| Waste Description: | AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[[(AMINOCARBONYLOXY)METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C |
| Waste Code: | U011 |
| Waste Description: | 1H-1,2,4-TRIAZOL-3-AMINE (OR) AMITROLE |
| Waste Code: | U012 |
| Waste Description: | ANILINE (I,T) (OR) BENZENAMINE (I,T) |
| Waste Code: | U014 |
| Waste Description: | AURAMINE (OR) BENZENAMINE, 4,4'-CARBONIMIDOYLBIS[N,N-DIMETHYL- |
| Waste Code: | U015 |
| Waste Description: | AZASERINE (OR) L-SERINE, DIAZOACETATE (ESTER) |
| Waste Code: | U016 |
| Waste Description: | BENZ[C]ACRIDINE |
| Waste Code: | U017 |

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| Waste Description: | BENZAL CHLORIDE (OR) BENZENE, (DICHLOROMETHYL)- |
| Waste Code: | U018 |
| Waste Description: | BENZ[A]ANTHRACENE |
| Waste Code: | U019 |
| Waste Description: | BENZENE (I,T) |
| Waste Code: | U020 |
| Waste Description: | BENZENESULFONIC ACID CHLORIDE (C,R) (OR) BENZENESULFONYL CHLORIDE (C,R) |
| Waste Code: | U021 |
| Waste Description: | [1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE |
| Waste Code: | U022 |
| Waste Description: | BENZO[A]PYRENE |
| Waste Code: | U023 |
| Waste Description: | BENZENE, (TRICHLOROMETHYL)- (OR) BENZOTRICHLORIDE (C,R,T) |
| Waste Code: | U024 |
| Waste Description: | DICHLOROMETHOXY ETHANE (OR) ETHANE, 1,1'-[METHYLENEBIS(OXY)]BIS[2-CHLORO- |
| Waste Code: | U025 |
| Waste Description: | DICHLOROETHYL ETHER (OR) ETHANE, 1,1'-OXYBIS[2-CHLORO- |
| Waste Code: | U026 |
| Waste Description: | CHLORNAPHAZIN (OR) NAPHTHALENAMINE, N,N'-BIS(2-CHLOROETHYL)- |
| Waste Code: | U027 |
| Waste Description: | DICHLOROISOPROPYL ETHER (OR) PROPANE, 2,2'-OXYBIS[2-CHLORO- |
| Waste Code: | U028 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL) ESTER (OR) DIETHYLHEXYL PHTHALATE |
| Waste Code: | U029 |
| Waste Description: | METHANE, BROMO- (OR) METHYL BROMIDE |
| Waste Code: | U030 |
| Waste Description: | 4-BROMOPHENYL PHENYL ETHER (OR) BENZENE, 1-BROMO-4-PHENOXY- |
| Waste Code: | U031 |
| Waste Description: | 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I) |
| Waste Code: | U032 |
| Waste Description: | CALCIUM CHROMATE (OR) CHROMIC ACID H2CRO4, CALCIUM SALT |
| Waste Code: | U033 |
| Waste Description: | CARBON OXYFLUORIDE (R,T) (OR) CARBONIC DIFLUORIDE |
| Waste Code: | U034 |
| Waste Description: | ACETALDEHYDE, TRICHLORO- (OR) CHLORAL |
| Waste Code: | U035 |

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| Waste Description: | BENZENE BUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL |
| Waste Code: | U036 |
| Waste Description: | 4,7-METHANO-1H-INDENE, 1,2,4,5,6,7,8,8-OCTACHLORO-2,3,3A,4,7,7A-HEXAHYDRO- (OR) CHLORDANE, ALPHA & GAMMA ISOMERS |
| Waste Code: | U037 |
| Waste Description: | BENZENE, CHLORO- (OR) CHLOROBENZENE |
| Waste Code: | U038 |
| Waste Description: | BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-, ETHYL ESTER (OR) CHLOROBENZILATE |
| Waste Code: | U039 |
| Waste Description: | P-CHLORO-M-CRESOL (OR) PHENOL, 4-CHLORO-3-METHYL- |
| Waste Code: | U041 |
| Waste Description: | EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)- |
| Waste Code: | U042 |
| Waste Description: | 2-CHLOROETHYL VINYL ETHER (OR) ETHENE, (2-CHLOROETHOXY)- |
| Waste Code: | U043 |
| Waste Description: | ETHENE, CHLORO- (OR) VINYL CHLORIDE |
| Waste Code: | U044 |
| Waste Description: | CHLOROFORM (OR) METHANE, TRICHLORO- |
| Waste Code: | U045 |
| Waste Description: | METHANE, CHLORO- (I,T) (OR) METHYL CHLORIDE (I,T) |
| Waste Code: | U046 |
| Waste Description: | CHLOROMETHYL METHYL ETHER (OR) METHANE, CHLOROMETHOXY- |
| Waste Code: | U047 |
| Waste Description: | BETA-CHLORONAPHTHALENE (OR) NAPHTHALENE, 2-CHLORO- |
| Waste Code: | U048 |
| Waste Description: | O-CHLOROPHENOL (OR) PHENOL, 2-CHLORO- |
| Waste Code: | U049 |
| Waste Description: | 4-CHLORO-O-TOLUIDINE, HYDROCHLORIDE (OR) BENZENAMINE, 4-CHLORO-2-METHYL-, HYDROCHLORIDE |
| Waste Code: | U050 |
| Waste Description: | CHRYSENE |
| Waste Code: | U051 |
| Waste Description: | CREOSOTE |
| Waste Code: | U052 |
| Waste Description: | CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL- |
| Waste Code: | U053 |
| Waste Description: | 2-BUTENAL (OR) CROTONALDEHYDE |

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| Waste Code: | U055 |
| Waste Description: | BENZENE, (1-METHYLETHYL)- (I) (OR) CUMENE (I) |
| Waste Code: | U056 |
| Waste Description: | BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I) |
| Waste Code: | U057 |
| Waste Description: | CYCLOHEXANONE (I) |
| Waste Code: | U058 |
| Waste Description: | 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE |
| Waste Code: | U059 |
| Waste Description: | 5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL]OXY]-7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN |
| Waste Code: | U060 |
| Waste Description: | BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDD |
| Waste Code: | U061 |
| Waste Description: | BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDT |
| Waste Code: | U062 |
| Waste Description: | CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3-DICHLORO-2-PROPENYL) ESTER (OR) DIALLATE |
| Waste Code: | U063 |
| Waste Description: | DIBENZ[A,H]ANTHRACENE |
| Waste Code: | U064 |
| Waste Description: | BENZO[RST]PENTAPHENE (OR) DIBENZO[A,I]PYRENE |
| Waste Code: | U066 |
| Waste Description: | 1,2-DIBROMO-3-CHLOROPROPANE (OR) PROPANE, 1,2-DIBROMO-3-CHLORO- |
| Waste Code: | U067 |
| Waste Description: | ETHANE, 1,2-DIBROMO- (OR) ETHYLENE DIBROMIDE |
| Waste Code: | U068 |
| Waste Description: | METHANE, DIBROMO- (OR) METHYLENE BROMIDE |
| Waste Code: | U069 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE |
| Waste Code: | U070 |
| Waste Description: | BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE |
| Waste Code: | U071 |
| Waste Description: | BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE |
| Waste Code: | U072 |
| Waste Description: | BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE |
| Waste Code: | U073 |

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| Waste Description: | [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DICHLORO- (OR) 3,3'-DICHLOROBENZIDINE |
| Waste Code: | U074 |
| Waste Description: | 1,4-DICHLORO-2-BUTENE (I,T) (OR) 2-BUTENE, 1,4-DICHLORO- (I,T) |
| Waste Code: | U075 |
| Waste Description: | DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO- |
| Waste Code: | U076 |
| Waste Description: | ETHANE, 1,1-DICHLORO- (OR) ETHYLIDENE DICHLORIDE |
| Waste Code: | U077 |
| Waste Description: | ETHANE, 1,2-DICHLORO- (OR) ETHYLENE DICHLORIDE |
| Waste Code: | U078 |
| Waste Description: | 1,1-DICHLOROETHYLENE (OR) ETHENE, 1,1-DICHLORO- |
| Waste Code: | U079 |
| Waste Description: | 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-(E)- |
| Waste Code: | U080 |
| Waste Description: | METHANE, DICHLORO- (OR) METHYLENE CHLORIDE |
| Waste Code: | U081 |
| Waste Description: | 2,4-DICHLOROPHENOL (OR) PHENOL, 2,4-DICHLORO- |
| Waste Code: | U082 |
| Waste Description: | 2,6-DICHLOROPHENOL (OR) PHENOL, 2,6-DICHLORO- |
| Waste Code: | U083 |
| Waste Description: | PROPANE, 1,2-DICHLORO- (OR) PROPYLENE DICHLORIDE |
| Waste Code: | U084 |
| Waste Description: | 1,3-DICHLOROPROPENE (OR) 1-PROPENE, 1,3-DICHLORO- |
| Waste Code: | U085 |
| Waste Description: | 1,2:3,4-DIEPOXYBUTANE (I,T) (OR) 2,2'-BIOXIRANE |
| Waste Code: | U086 |
| Waste Description: | HYDRAZINE, 1,2-DIETHYL- (OR) N,N'-DIETHYLHYDRAZINE |
| Waste Code: | U087 |
| Waste Description: | O,O-DIETHYL S-METHYL DITHIOPHOSPHATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-METHYL ESTER |
| Waste Code: | U088 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER (OR) DIETHYL PHTHALATE |
| Waste Code: | U089 |
| Waste Description: | DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)- |
| Waste Code: | U090 |
| Waste Description: | 1,3-BENZODIOXOLE, 5-PROPYL- (OR) DIHYDROSAFROLE |
| Waste Code: | U091 |

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| Waste Description: | [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHOXY- (OR) 3,3'-DIMETHOXYBENZIDINE |
| Waste Code: | U092 |
| Waste Description: | DIMETHYLAMINE (I) (OR) METHANAMINE, N-METHYL- (I) |
| Waste Code: | U093 |
| Waste Description: | BENZENAMINE, N,N-DIMETHYL-4-(PHENYLAZO)- (OR) P-DIMETHYLAMINOAZOBENZENE |
| Waste Code: | U094 |
| Waste Description: | 7,12-DIMETHYLBENZ[A]ANTHRACENE (OR) BENZ[A]ANTHRACENE, 7,12-DIMETHYL- |
| Waste Code: | U095 |
| Waste Description: | [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHYL- (OR) 3,3'-DIMETHYLBENZIDINE |
| Waste Code: | U096 |
| Waste Description: | ALPHA,ALPHA-DIMETHYLBENZYLHYDROPEROXIDE (R) (OR) HYDROPEROXIDE, 1-METHYL-1-PHENYLETHYL- (R) |
| Waste Code: | U097 |
| Waste Description: | CARBAMIC CHLORIDE, DIMETHYL- (OR) DIMETHYLCARBAMOYL CHLORIDE |
| Waste Code: | U098 |
| Waste Description: | 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL- |
| Waste Code: | U099 |
| Waste Description: | 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL- |
| Waste Code: | U101 |
| Waste Description: | 2,4-DIMETHYLPHENOL (OR) PHENOL, 2,4-DIMETHYL- |
| Waste Code: | U102 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, DIMETHYL ESTER (OR) DIMETHYL PHTHALATE |
| Waste Code: | U103 |
| Waste Description: | DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER |
| Waste Code: | U105 |
| Waste Description: | 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO- |
| Waste Code: | U106 |
| Waste Description: | 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO- |
| Waste Code: | U107 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER (OR) DI-N-OCTYL PHTHALATE |
| Waste Code: | U108 |
| Waste Description: | 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE |
| Waste Code: | U109 |
| Waste Description: | 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL- |
| Waste Code: | U110 |
| Waste Description: | 1-PROPANIMINE, N-PROPYL-(I) (OR) DIPROPYLAMINE (I) |

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| Waste Code: | U111 |
| Waste Description: | 1-PROPANAMINE, N-NITROSO-N-PROPYL- (OR) DI-N-PROPYLNITROSAMINE |
| Waste Code: | U112 |
| Waste Description: | ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I) |
| Waste Code: | U113 |
| Waste Description: | 2-PROPENOIC ACID, ETHYL ESTER (I) (OR) ETHYL ACRYLATE (I) |
| Waste Code: | U114 |
| Waste Description: | CARBAMODITHIOIC ACID, 1,2-ETHANEDIYLBIS-, SALTS & ESTERS (OR) ETHYLENEBISDITHIOCARBAMIC ACID, SALTS & ESTERS |
| Waste Code: | U115 |
| Waste Description: | ETHYLENE OXIDE (I,T) (OR) OXIRANE (I,T) |
| Waste Code: | U116 |
| Waste Description: | 2-IMIDAZOLIDINETHIONE (OR) ETHYLENETHIOUREA |
| Waste Code: | U117 |
| Waste Description: | ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I) |
| Waste Code: | U118 |
| Waste Description: | 2-PROPENOIC ACID, 2-METHYL-, ETHYL ESTER (OR) ETHYL METHACRYLATE |
| Waste Code: | U119 |
| Waste Description: | ETHYL METHANESULFONATE (OR) METHANESULFONIC ACID, ETHYL ESTER |
| Waste Code: | U120 |
| Waste Description: | FLUORANTHENE |
| Waste Code: | U121 |
| Waste Description: | METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFUOROMETHANE |
| Waste Code: | U122 |
| Waste Description: | FORMALDEHYDE |
| Waste Code: | U123 |
| Waste Description: | FORMIC ACID (C,T) |
| Waste Code: | U124 |
| Waste Description: | FURAN (I) (OR) FURFURAN (I) |
| Waste Code: | U125 |
| Waste Description: | 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I) |
| Waste Code: | U126 |
| Waste Description: | GLYCIDYLALDEHYDE (OR) OXIRANECARBOXYALDEHYDE |
| Waste Code: | U127 |
| Waste Description: | BENZENE, HEXACHLORO- (OR) HEXACHLOROBENZENE |
| Waste Code: | U128 |
| Waste Description: | 1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO- (OR) HEXACHLOROBUTADIENE |
| Waste Code: | U129 |
| Waste Description: | CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, |

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5ALPHA, 6BETA)- (OR) LINDANE

Waste Code: U130

Waste Description: 1,3-CYCLOPENTADIENE, 1,2,3,4,5,5-HEXACHLORO- (OR)
HEXACHLOROCYCLOPENTADIENE

Waste Code: U131

Waste Description: ETHANE, HEXACHLORO- (OR) HEXACHLOROETHANE

Waste Code: U132

Waste Description: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

Waste Code: U133

Waste Description: HYDRAZINE (R,T)

Waste Code: U134

Waste Description: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Waste Code: U135

Waste Description: HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S

Waste Code: U136

Waste Description: ARSINIC ACID, DIMETHYL- (OR) CACODYLIC ACID

Waste Code: U137

Waste Description: INDENO[1,2,3-CD]PYRENE

Waste Code: U138

Waste Description: METHANE, IODO- (OR) METHYL IODIDE

Waste Code: U140

Waste Description: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

Waste Code: U141

Waste Description: 1,3-BENZODIOXOLE, 5-(1-PROPENYL)- (OR) ISOSAFROLE

Waste Code: U142

Waste Description: 1,3,4-METHENO-2H-CYCLOBUTA[CD]PENTALEN-2-ONE,
1,1A,3,3A,4,5,5,5A,5B,6-DECACHLORO-OCTAHYDRO- (OR) KEPONE

Waste Code: U143

Waste Description: 2-BUTENOIC ACID, 2-METHYL-,
7-[[2,3-DIHYDROXY-2-(1-METHOXYETHYL)-3-METHYL-1-OXOBUTOXY]METHYL]-2,3,
5,7A-TETRAHYDRO-1H-PYRROLIZIN-1-YL ESTER, [1S-[1ALPHA(Z), 7(2S*,3R*),
7AALPHA]]- (OR) LASIOCARPINE

Waste Code: U144

Waste Description: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

Waste Code: U145

Waste Description: LEAD PHOSPHATE (OR) PHOSPHORIC ACID, LEAD(2+) SALT (2:3)

Waste Code: U146

Waste Description: LEAD SUBACETATE (OR) LEAD, BIS(ACETATO-O)TETRAHYDROXYTRI-

Waste Code: U147

Waste Description: 2,5-FURANDIONE (OR) MALEIC ANHYDRIDE

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| Waste Code: | U148 |
| Waste Description: | 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO- (OR) MALEIC HYDRAZIDE |
| Waste Code: | U149 |
| Waste Description: | MALONONITRILE (OR) PROPANEDINITRILE |
| Waste Code: | U150 |
| Waste Description: | L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN |
| Waste Code: | U151 |
| Waste Description: | MERCURY |
| Waste Code: | U152 |
| Waste Description: | 2-PROPENITRILE, 2-METHYL- (I,T) (OR) METHACRYLONITRILE (I,T) |
| Waste Code: | U153 |
| Waste Description: | METHANETHIOL (I,T) (OR) THIOMETHANOL (I,T) |
| Waste Code: | U154 |
| Waste Description: | METHANOL (I) (OR) METHYL ALCOHOL (I) |
| Waste Code: | U155 |
| Waste Description: | 1,2-ETHANEDIAMINE, N,N-DIMETHYL-N'-2-PYRIDINYL-N'-(2-THIENYLMETHYL)- (OR) METHAPYRILENE |
| Waste Code: | U156 |
| Waste Description: | CARBONCHLORIDIC ACID, METHYL ESTER, (I,T) (OR) METHYL CHLOROCARBONATE (I,T) |
| Waste Code: | U157 |
| Waste Description: | 3-METHYLCHOLANTHRENE (OR) BENZ[J]ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL- |
| Waste Code: | U158 |
| Waste Description: | 4,4'-METHYLENEBIS(2-CHLOROANILINE) (OR) BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO- |
| Waste Code: | U159 |
| Waste Description: | 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T) |
| Waste Code: | U160 |
| Waste Description: | 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T) |
| Waste Code: | U161 |
| Waste Description: | 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL- |
| Waste Code: | U162 |
| Waste Description: | 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T) |
| Waste Code: | U163 |
| Waste Description: | GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG |
| Waste Code: | U164 |
| Waste Description: | 4(1H)-PYRIMIDINONE, 2,3-DIHYDRO-6-METHYL-2-THIOXO- (OR) METHYLTHIOURACIL |

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| Waste Code: | U165 |
| Waste Description: | NAPHTHALENE |
| Waste Code: | U166 |
| Waste Description: | 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE |
| Waste Code: | U167 |
| Waste Description: | 1-NAPHTHALENAMINE (OR) ALPHA-NAPHTHYLAMINE |
| Waste Code: | U168 |
| Waste Description: | 2-NAPHTHALENAMINE (OR) BETA-NAPHTHYLAMINE |
| Waste Code: | U169 |
| Waste Description: | BENZENE, NITRO- (OR) NITROBENZENE (I,T) |
| Waste Code: | U170 |
| Waste Description: | P-NITROPHENOL (I,T) (OR) PHENOL, 4-NITRO- |
| Waste Code: | U171 |
| Waste Description: | 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T) |
| Waste Code: | U172 |
| Waste Description: | 1-BUTANAMINE, N-BUTYL-N-NITROSO- (OR) N-NITROSODI-N-BUTYLAMINE |
| Waste Code: | U173 |
| Waste Description: | ETHANOL, 2,2'-(NITROSOIMINO)BIS- (OR) N-NITROSODIETHANOLAMINE |
| Waste Code: | U174 |
| Waste Description: | ETHANAMINE, N-ETHYL-N-NITROSO- (OR) N-NITROSODIETHYLAMINE |
| Waste Code: | U176 |
| Waste Description: | N-NITROSO-N-ETHYLUREA (OR) UREA, N-ETHYL-N-NITROSO- |
| Waste Code: | U177 |
| Waste Description: | N-NITROSO-N-METHYLUREA (OR) UREA, N-METHYL-N-NITROSO- |
| Waste Code: | U178 |
| Waste Description: | CARBAMIC ACID, METHYLNITROSO-, ETHYL ESTER (OR) N-NITROSO-N-METHYLURETHANE |
| Waste Code: | U179 |
| Waste Description: | N-NITROSOPIPERIDINE (OR) PIPERIDINE, 1-NITROSO- |
| Waste Code: | U180 |
| Waste Description: | N-NITROSOPYRROLIDINE (OR) PYRROLIDINE, 1-NITROSO- |
| Waste Code: | U181 |
| Waste Description: | 5-NITRO-O-TOLUIDINE (OR) BENZENAMINE, 2-METHYL-5-NITRO |
| Waste Code: | U182 |
| Waste Description: | 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE |
| Waste Code: | U183 |
| Waste Description: | BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE |
| Waste Code: | U184 |
| Waste Description: | ETHANE, PENTACHLORO- (OR) PENTACHLOROETHANE |

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| Waste Code: | U185 |
| Waste Description: | BENZENE, PENTACHLORONITRO- (OR) PENTACHLORONITROBENZENE (PCNB) |
| Waste Code: | U186 |
| Waste Description: | 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I) |
| Waste Code: | U187 |
| Waste Description: | ACETAMIDE, N-(4-ETHOXYPHENYL)- (OR) PHENACETIN |
| Waste Code: | U188 |
| Waste Description: | PHENOL |
| Waste Code: | U189 |
| Waste Description: | PHOSPHORUS SULFIDE (R) (OR) SULFUR PHOSPHIDE (R) |
| Waste Code: | U190 |
| Waste Description: | 1,3-ISOBENZOFURANDIONE (OR) PHTHALIC ANHYDRIDE |
| Waste Code: | U191 |
| Waste Description: | 2-PICOLINE (OR) PYRIDINE, 2-METHYL- |
| Waste Code: | U192 |
| Waste Description: | BENZAMIDE, 3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL)- (OR) PRONAMIDE |
| Waste Code: | U193 |
| Waste Description: | 1,2-OXATHIOLANE, 2,2-DIOXIDE (OR) 1,3-PROPANE SULTONE |
| Waste Code: | U194 |
| Waste Description: | 1-PROPANAMINE (I,T) (OR) N-PROPYLAMINE (I,T) |
| Waste Code: | U196 |
| Waste Description: | PYRIDINE |
| Waste Code: | U197 |
| Waste Description: | 2,5-CYCLOHEXADIENE-1,4-DIONE (OR) P-BENZOQUINONE |
| Waste Code: | U200 |
| Waste Description: | RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)- |
| Waste Code: | U201 |
| Waste Description: | 1,3-BENZENEDIOL (OR) RESORCINOL |
| Waste Code: | U202 |
| Waste Description: | 1,2-BENZISOTHIAZOL-3(2H)-ONE, 1,1-DIOXIDE, & SALTS (OR) SACCHARIN, & SALTS |
| Waste Code: | U203 |
| Waste Description: | 1,3-BENZODIOXOLE, 5-(2-PROPENYL)- (OR) SAFROLE |
| Waste Code: | U204 |
| Waste Description: | SELENIOS ACID (OR) SELENIUM DIOXIDE |
| Waste Code: | U205 |
| Waste Description: | SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T) |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------|--|
| Waste Code: | U206 |
| Waste Description: | D-GLUCOSE, 2-DEOXY-2-[[[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR) GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR) STREPTOZOTOCIN |
| Waste Code: | U207 |
| Waste Description: | 1,2,4,5-TETRACHLOROBENZENE (OR) BENZENE, 1,2,4,5-TETRACHLORO- |
| Waste Code: | U208 |
| Waste Description: | 1,1,1,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,1,2-TETRACHLORO- |
| Waste Code: | U209 |
| Waste Description: | 1,1,2,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,2,2-TETRACHLORO- |
| Waste Code: | U210 |
| Waste Description: | ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE |
| Waste Code: | U211 |
| Waste Description: | CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO- |
| Waste Code: | U213 |
| Waste Description: | FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I) |
| Waste Code: | U214 |
| Waste Description: | ACETIC ACID, THALLIUM(1+) SALT (OR) THALLIUM(I) ACETATE |
| Waste Code: | U215 |
| Waste Description: | CARBONIC ACID, DITHALLIUM(1+) SALT (OR) THALLIUM(I) CARBONATE |
| Waste Code: | U216 |
| Waste Description: | THALLIUM CHLORIDE TLCL (OR) THALLIUM(I) CHLORIDE |
| Waste Code: | U217 |
| Waste Description: | NITRIC ACID, THALLIUM(1+) SALT (OR) THALLIUM(I) NITRATE |
| Waste Code: | U218 |
| Waste Description: | ETHANETHIOAMIDE (OR) THIOACETAMIDE |
| Waste Code: | U219 |
| Waste Description: | THIOUREA |
| Waste Code: | U220 |
| Waste Description: | BENZENE, METHYL- (OR) TOLUENE |
| Waste Code: | U221 |
| Waste Description: | BENZENEDIAMINE, AR-METHYL- (OR) TOLUENEDIAMINE |
| Waste Code: | U222 |
| Waste Description: | BENZENAMINE, 2-METHYL-, HYDROCHLORIDE (OR) O-TOLUIDINE HYDROCHLORIDE |
| Waste Code: | U223 |
| Waste Description: | BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T) |
| Waste Code: | U225 |
| Waste Description: | BROMOFORM (OR) METHANE, TRIBROMO- |
| Waste Code: | U226 |

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

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EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------|--|
| Waste Description: | ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM |
| Waste Code: | U227 |
| Waste Description: | 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO- |
| Waste Code: | U228 |
| Waste Description: | ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE |
| Waste Code: | U234 |
| Waste Description: | 1,3,5-TRINITROBENZENE (R,T) (OR) BENZENE, 1,3,5-TRINITRO- |
| Waste Code: | U235 |
| Waste Description: | 1-PROPANOL, 2,3-DIBROMO-, PHOSPHATE (3:1) (OR) TRIS(2,3,-DIBROMOPROPYL) PHOSPHATE |
| Waste Code: | U236 |
| Waste Description: | 2,7-NAPHTHALENEDISULFONIC ACID,3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO -4-HYDROXY]-, TETRASODIUM SALT (OR) TRYPAN BLUE |
| Waste Code: | U237 |
| Waste Description: | 2,4-(1H,3H)-PYRIMIDINEDIONE, 5-[BIS(2-CHLOROETHYL)AMINO]- (OR) URACIL MUSTARD |
| Waste Code: | U238 |
| Waste Description: | CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE) |
| Waste Code: | U239 |
| Waste Description: | BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I) |
| Waste Code: | U240 |
| Waste Description: | 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D |
| Waste Code: | U243 |
| Waste Description: | 1-PROPENE, 1,1,2,3,3,3-HEXACHLORO- (OR) HEXACHLOROPROPENE |
| Waste Code: | U244 |
| Waste Description: | THIOPEROXYDICARBONIC DIAMIDE [(H2N)C(S)]2S2, TETRAMETHYL- (OR) THIRAM |
| Waste Code: | U246 |
| Waste Description: | CYANOGEN BROMIDE (CN)BR |
| Waste Code: | U247 |
| Waste Description: | BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-METHOXY- (OR) METHOXYCHLOR |
| Waste Code: | U248 |
| Waste Description: | 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYL-BUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS |
| Waste Code: | U249 |
| Waste Description: | ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS |
| Waste Code: | U271 |
| Waste Description: | BENOMYL (OR) CARBAMIC ACID, |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

[1-[(BUTYLAMINO)CARBONYL]-1H-BENZIMIDAZOL-2-YL]-, METHYL ESTER

| | |
|--------------------|---|
| Waste Code: | U277 |
| Waste Description: | SULFALLATE (OR) CARBAMODITHIOIC ACID, DIETHYL-, 2-CHLORO-2-PROPENYL ESTER |
| Waste Code: | U278 |
| Waste Description: | BENDIOCARB (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL-, METHYL CARBAMATE |
| Waste Code: | U279 |
| Waste Description: | U279 |
| Waste Code: | U280 |
| Waste Description: | BARBAN (OR) CARBAMIC ACID, (3-CHLOROPHENYL)-, 4-CHLORO-2-BUTYNYL ESTER |
| Waste Code: | U328 |
| Waste Description: | BENZENAMINE, 2-METHYL- (OR) O-TOLUIDINE |
| Waste Code: | U353 |
| Waste Description: | BENZENAMINE, 4-METHYL- (OR) P-TOLUIDINE |
| Waste Code: | U359 |
| Waste Description: | ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER |
| Waste Code: | U364 |
| Waste Description: | BENDIOCARB PHENOL (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL- |
| Waste Code: | U365 |
| Waste Description: | H-AZEPINE-1-CARBOTHIOIC ACID, HEXAHYDRO-, S-ETHYL ESTER (OR) MOLINATE |
| Waste Code: | U366 |
| Waste Description: | DAZOMET (OR) 2H-1,3,5-THIADIAZINE- 2-THIONE, TETRAHYDRO-3,5-DIMETHYL- |
| Waste Code: | U367 |
| Waste Description: | 7-BENZOFURANOL, 2,3-DIHYDRO-2,2-DIMETHYL- (OR) CARBOFURAN PHENOL |
| Waste Code: | U372 |
| Waste Description: | CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (OR) CARBENDAZIM |
| Waste Code: | U373 |
| Waste Description: | CARBAMIC ACID, PHENYL-, 1-METHYLETHYL ESTER (OR) PROPHAM |
| Waste Code: | U375 |
| Waste Description: | CARBAMIC ACID, BUTYL-, 3-IODO-2-PROPYNYL ESTER (OR) 3-IODO-2-PROPYNYL N-BUTYLCARBAMATE |
| Waste Code: | U376 |
| Waste Description: | CARBAMODITHIOIC ACID, DIMETHYL-, TETRAANHYDROSULFIDE WITH ORTHOTHIOSETENIOUS ACID (OR) SELENIUM, TETRAKIS (DIMETHYLDITHIOCARBAMATE) |
| Waste Code: | U377 |
| Waste Description: | CARBAMODITHIOIC ACID, METHYL-, MONOPOTASSIUM SALT (OR) POTASSIUM N-METHYLDITHIOCARBAMATE |
| Waste Code: | U378 |
| Waste Description: | CARBAMODITHIOIC ACID, (HYDROXYMETHYL) METHYL-, MONOPOTASSIUM SALT (OR) |

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

POTASSIUM N-HYDROXYMETHYL- N-METHYLDI-THIOCARBAMATE

- Waste Code: U379
Waste Description: SODIUM DIBUTYLDITHIOCARBAMATE (OR) CARBAMODITHIOIC ACID, DIBUTYL, SODIUM SALT
- Waste Code: U381
Waste Description: CARBAMODITHIOIC ACID, DIETHYL-, SODIUM SALT (OR) SODIUM DIETHYLDITHIOCARBAMATE
- Waste Code: U382
Waste Description: CARBAMODITHIOIC ACID, DIMETHYL-, SODIUM SALT (OR) SODIUM DIMETHYLDITHIOCARBAMATE
- Waste Code: U383
Waste Description: CARBAMODITHIOIC ACID, DIMETHYL, POTASSIUM SALT (OR) POTASSIUM DIMETHYLDITHIOCARBAMATE
- Waste Code: U384
Waste Description: CARBAMODITHIOIC ACID, METHYL-, MONOSODIUM SALT (OR) METAM SODIUM
- Waste Code: U385
Waste Description: CARBAMODITHIOIC ACID, DIPROPYL-, S-PROPYL ESTER
- Waste Code: U386
Waste Description: CARBAMODITHIOIC ACID, CYCLOHEXYLETHYL-, S-ETHYL ESTER (OR) CYCLOATE
- Waste Code: U387
Waste Description: CARBAMODITHIOIC ACID, DIPROPYL-, S-(PHENYLMETHYL) ESTER (OR) PROSULFOCARB
- Waste Code: U389
Waste Description: CARBAMODITHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3,3-TRICHLORO-2-PROPENYL) ESTER (OR) TRIALLATE
- Waste Code: U390
Waste Description: CARBAMODITHIOIC ACID, DIPROPYL-, S-ETHYL ESTER (OR) EPTC
- Waste Code: U391
Waste Description: CARBAMODITHIOIC ACID, BUTYLETHYL-, S-PROPYL ESTER (OR) PEBULATE
- Waste Code: U392
Waste Description: BUTYLATE (OR) CARBAMODITHIOIC ACID, BIS(2-METHYLPROPYL)-, S-ETHYL ESTER
- Waste Code: U393
Waste Description: COPPER, BIS(DIMETHYLCARBAMODITHIOATO-S,S')- (OR) COPPER DIMETHYLDITHIOCARBAMATE
- Waste Code: U394
Waste Description: A2213 (OR) ETHANIMIDOTHIOIC ACID, 2-(DIMETHYLAMINO)-N-HYDROXY-2-OXO-, METHYL ESTER
- Waste Code: U395
Waste Description: DIETHYLENE GLYCOL, DICARBAMATE (OR) ETHANOL, 2,2'-OXYBIS-, DICARBAMATE
- Waste Code: U396
Waste Description: FERBAM (OR) IRON, TRIS(DIMETHYLCARBAMODITHIOATO-S,S')-,

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Waste Code: U400
Waste Description: BIS(PENTAMETHYLENE)THIURAM TETRASULFIDE (OR) PIPERIDINE, 1,1'-(TETRATHIODICARBONOTHIOYL)-BIS-

Waste Code: U401
Waste Description: BIS(DIMETHYLTHIOCARBAMOYL) SULFIDE (OR) TETRAMETHYLTHIURAM MONOSULFIDE

Waste Code: U402
Waste Description: TETRABUTYLTHIURAM DISULFIDE (OR) THIOPEROXYDICARBONIC DIAMIDE, TETRABUTYL

Waste Code: U403
Waste Description: DISULFIRAM (OR) THIOPEROXYDICARBONIC DIAMIDE, TETRAETHYL

Waste Code: U404
Waste Description: U404

Waste Code: U407
Waste Description: ETHYL ZIRAM

Waste Code: U409
Waste Description: CARBAMIC ACID, [1,2-PHENYLENEBIS (IMINOCARBONOTHIOYL)]BIS-, DIMETHYL ESTER (OR) THIOPHANATE-METHYL

Waste Code: U410
Waste Description: ETHANIMIDOTHIOIC ACID, N,N'-[THIOBIS[(METHYLIMINO)CARBONYLOXY]]BIS-, DIMETHYL ESTER (OR) THIODICARB

Waste Code: U411
Waste Description: U411

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS UNIV OF MO S & T
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: 573-882-2388
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MISSOURI S & T
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------------------|------------------------------|
| Owner/Operator Name: | BOARD OF CURATORS UM |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | UNIVERSITY OF MISSOURI-ROLLA |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NA NA |
| Owner/Operator City,State,Zip: | ROLLA, MO 65401 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | UNIVERSITY OF MISSOURI-ROLLA |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS FOR UM |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS UM |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------------------|---------------------------------------|
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS FOR UNIVERSITY-MO |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | UNIVERSITY OF MISSOURI-ROLLA |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BOARD OF CURATORS UM |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF MI |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MISSOURI UNIV OF SCIENCE & TECHNOLOGY |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1201 N STATE ST ROOM 108 |
| Owner/Operator City,State,Zip: | ROLLA, MO 65409 |

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Owner/Operator Telephone: 573-341-7646
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS FOR UM
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: 573-882-2388
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS UNIVERSITY OF UM
Legal Status: State
Date Became Current: 19990309
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: 573-882-2388
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BOARD OF CURATORS UNIVERSITY OF MI
Legal Status: State
Date Became Current: 19990309
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: 573-882-2388
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: UNIVERSITY OF MISSOURI-ROLLA
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS FOR UM
Legal Status: State
Date Became Current: 19800119

Map ID
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Elevation

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Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------------------|------------------------------------|
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS FOR UM |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MISSOURI S&T |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | UNIVERSITY OF MISSOURI-ROLLA |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------------------|---|
| Owner/Operator Name: | BOARD OF CURATORS FOR UMR |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MISSOURI UNIVERSITY OF SCIENCE & TECH |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | UNIVERSITY OF MISSOURI - ROLLA |
| Legal Status: | State |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 215 ALTMAN HALL |
| Owner/Operator City,State,Zip: | ROLLA, MO 65401 |
| Owner/Operator Telephone: | 573-431-4480 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MISSOURI UNIVERSITY OF SCIENCE AND TECH |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--|--|
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CURATORS OF THE UNIVERSITY OF MISSOURI |
| Legal Status: | State |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Historic Generators: | |
| Receive Date: | 19801114 |
| Handler Name: | UNIVERSITY OF MISSOURI ROLLA |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20100301
Handler Name: DANGEROUS MATERIALS STORAGE BUILDING
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120312
Handler Name: DANGEROUS MATERIALS STORAGE BUILDING
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140212
Handler Name: DANGEROUS MATERIALS STORAGE BUILDING
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160126
Handler Name: DANGEROUS MATERIALS STORAGE BUILDING
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported

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EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Electronic Manifest Broker: Not reported

Receive Date: 20180206
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Yes
Electronic Manifest Broker: No

Receive Date: 20200213
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Yes
Electronic Manifest Broker: No

Receive Date: 20220215
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Yes
Electronic Manifest Broker: Yes

Receive Date: 19970610
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020916
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Large Quantity Generator

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19930803
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040602
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20061026
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990308
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080107
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY MISSOURI S&T
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160926
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920228
Handler Name: UNIVERSITY OF MISSOURI - ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940404
Handler Name: UMR DANGEROUS MATERIALS STORAGE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

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Database(s)

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Receive Date: 19960215
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980309
Handler Name: UNIVERSITY OF MISSOURI - ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020214
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040225
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

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EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060203
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080211
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY MISSOURI S&T
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 61131
NAICS Description: COLLEGES, UNIVERSITIES, AND PROFESSIONAL SCHOOLS

Facility Has Received Notices of Violation:

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19930429
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19921007
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19921007
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1

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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|---|
| Final Amount: | 13000 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Transporters - Manifest and Recordkeeping |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 1 |
| SEP Expenditure Amount: | 358706 |
| SEP Scheduled Completion Date: | 19990630 |
| SEP Actual Date: | 19990520 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EPP |
| SEP Type Description: | Emergency Planning and Preparedness |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |
| Final Amount: | 176119 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 20010223 |
| Actual Return to Compliance Date: | 20010223 |
| Return to Compliance Qualifier: | Unverifiable |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19900418 |
| Actual Return to Compliance Date: | 19900503 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19900430 |
| Enforcement Identifier: | 010 |
| Date of Enforcement Action: | 19900418 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19900418 |
| Actual Return to Compliance Date: | 19900503 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19900430 |
| Enforcement Identifier: | 010 |
| Date of Enforcement Action: | 19900418 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19890724 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19921007 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

Map ID
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19920724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19891222
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 6500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|----------------------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General Facility Standards |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20030917 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19890724 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 008 |
| Date of Enforcement Action: | 19890708 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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|---|------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19900418 |
| Actual Return to Compliance Date: | 19900503 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19900430 |
| Enforcement Identifier: | 010 |
| Date of Enforcement Action: | 19900418 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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| | |
|---|----------------------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19940804 |
| Actual Return to Compliance Date: | 19950711 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 2 |
| SEP Expenditure Amount: | 428000 |
| SEP Scheduled Completion Date: | 20011231 |
| SEP Actual Date: | 20001222 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EAP |
| SEP Type Description: | Environmental Awareness Programs |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |
| Final Amount: | 176119 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | TSD - Closure/Post-Closure |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19881115 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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| | |
|---|--------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Unknown |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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|---|------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19910215 |
| Actual Return to Compliance Date: | 19910402 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19910322 |
| Enforcement Identifier: | 013 |
| Date of Enforcement Action: | 19910322 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19910207 |
| Actual Return to Compliance Date: | 19910215 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19910215 |
| Enforcement Identifier: | 011 |
| Date of Enforcement Action: | 19910207 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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| | |
|---|-----------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Manifest |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20020917 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|-------------------------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 3 |
| SEP Expenditure Amount: | 80000 |
| SEP Scheduled Completion Date: | 20030601 |
| SEP Actual Date: | 20020103 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EAA |
| SEP Type Description: | Environmental Audits and Assessment |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |
| Final Amount: | 176119 |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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| | |
|---|--------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 19940804

Actual Return to Compliance Date: 19950711

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 3

SEP Expenditure Amount: 80000

SEP Scheduled Completion Date: 20030601

SEP Actual Date: 20020103

SEP Defaulted Date: Not reported

SEP Type: EAA

SEP Type Description: Environmental Audits and Assessment

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 20020911

Actual Return to Compliance Date: 20020911

Return to Compliance Qualifier: Documented

Violation Responsible Agency: EPA

Scheduled Compliance Date: 20020925

Enforcement Identifier: 001

Date of Enforcement Action: 20020910

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Transporters - Manifest and Recordkeeping
Date Violation was Determined: 19950712
Actual Return to Compliance Date: 19960827
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1

Map ID
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MAP FINDINGS

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - General

Date Violation was Determined: 19870910

Actual Return to Compliance Date: 19921007

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 001

Date of Enforcement Action: 19890926

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: INITIAL 3008(A) COMPLIANCE

Enforcement Responsible Person: Not reported

Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported

SEP Scheduled Completion Date: Not reported

SEP Actual Date: Not reported

SEP Defaulted Date: Not reported

SEP Type: Not reported

SEP Type Description: Not reported

Proposed Amount: 6500

Final Monetary Amount: Not reported

Paid Amount: Not reported

Final Count: Not reported

Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - General

Date Violation was Determined: 19870910

Actual Return to Compliance Date: 19921007

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19921007

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: R7

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20020917
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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Database(s)

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

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|---|------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19920724 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19890724 |
| Enforcement Identifier: | 008 |
| Date of Enforcement Action: | 19890708 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19921007 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 002 |
| Date of Enforcement Action: | 19880401 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|-----------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19921007 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 002 |
| Date of Enforcement Action: | 19880401 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Manifest |
| Date Violation was Determined: | 19990223 |
| Actual Return to Compliance Date: | 19990308 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19990909 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20030806
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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| | |
|---|----------------------|
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 20010223 |
| Actual Return to Compliance Date: | 20010223 |
| Return to Compliance Qualifier: | Unverifiable |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19920724 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19890724 |
| Enforcement Identifier: | 008 |
| Date of Enforcement Action: | 19890708 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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| | |
|---|------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19880416 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19880416 |
| Enforcement Identifier: | 002 |
| Date of Enforcement Action: | 19880401 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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1000138747

| | |
|---|------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19890724 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19890724 |
| Enforcement Identifier: | 008 |
| Date of Enforcement Action: | 19890708 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19910207 |
| Actual Return to Compliance Date: | 19910215 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19910215 |
| Enforcement Identifier: | 011 |
| Date of Enforcement Action: | 19910207 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

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|---|------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Universal Waste - Small Quantity Handlers

Date Violation was Determined: 20080430

Actual Return to Compliance Date: 20080513

Return to Compliance Qualifier: Documented

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 001

Date of Enforcement Action: 20080430

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: 20080630

Disposition Status: AS

Disposition Status Description: ACTION SATISFIED (CASE CLOSED)

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: WRITTEN INFORMAL

Enforcement Responsible Person: R7JWB

Enforcement Responsible Sub-Organization: ENSV

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported

SEP Scheduled Completion Date: Not reported

SEP Actual Date: Not reported

SEP Defaulted Date: Not reported

SEP Type: Not reported

SEP Type Description: Not reported

Proposed Amount: Not reported

Final Monetary Amount: Not reported

Paid Amount: Not reported

Final Count: Not reported

Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 19940804

Actual Return to Compliance Date: 19950711

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19960927

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20061102
Actual Return to Compliance Date: 20061110
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20061102
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: 20061215
Disposition Status: AS
Disposition Status Description: ACTION SATISFIED (CASE CLOSED)
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7JWB
Enforcement Responsible Sub-Organization: ENSV
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 19930429

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 2

SEP Expenditure Amount: 428000

SEP Scheduled Completion Date: 20011231

SEP Actual Date: 20001222

SEP Defaulted Date: Not reported

SEP Type: EAP

SEP Type Description: Environmental Awareness Programs

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - General

Date Violation was Determined: 19880928

Actual Return to Compliance Date: 19891026

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19921007

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: R7

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Unknown
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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|---|---------------|
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19880928 |
| Actual Return to Compliance Date: | 19891026 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 19890926 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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|---|----------------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 6500 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19930429 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 176119 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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|---|----------------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19880928 |
| Actual Return to Compliance Date: | 19881013 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19881013 |
| Enforcement Identifier: | 005 |
| Date of Enforcement Action: | 19880928 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - Closure/Post-Closure |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19920724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19921007
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1

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Final Amount: 13000

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Transporters - Manifest and Recordkeeping

Date Violation was Determined: 19920522

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 3

SEP Expenditure Amount: 80000

SEP Scheduled Completion Date: 20030601

SEP Actual Date: 20020103

SEP Defaulted Date: Not reported

SEP Type: EAA

SEP Type Description: Environmental Audits and Assessment

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - Pre-transport

Date Violation was Determined: 20020911

Actual Return to Compliance Date: 20030917

Return to Compliance Qualifier: Documented

Violation Responsible Agency: EPA

Scheduled Compliance Date: 20020925

Enforcement Identifier: 001

Date of Enforcement Action: 20020910

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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|---|-------------------------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19940804 |
| Actual Return to Compliance Date: | 19950711 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 1 |
| SEP Expenditure Amount: | 358706 |
| SEP Scheduled Completion Date: | 19990630 |
| SEP Actual Date: | 19990520 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EPP |
| SEP Type Description: | Emergency Planning and Preparedness |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |

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|---|----------------------------|
| Final Amount: | 176119 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20020917 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 20010223 |
| Actual Return to Compliance Date: | 20010223 |
| Return to Compliance Qualifier: | Unverifiable |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|---|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Transporters - Manifest and Recordkeeping |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 176119 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|----------------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19880928 |
| Actual Return to Compliance Date: | 19881013 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19881013 |
| Enforcement Identifier: | 005 |
| Date of Enforcement Action: | 19880928 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20020917 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20080430
Actual Return to Compliance Date: 20080513
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20080430
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: 20080630
Disposition Status: AS
Disposition Status Description: ACTION SATISFIED (CASE CLOSED)
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7JWB
Enforcement Responsible Sub-Organization: ENSV
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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|---|--------------------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Used Oil - Generators |
| Date Violation was Determined: | 20080430 |
| Actual Return to Compliance Date: | 20080513 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20080430 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | 20080630 |
| Disposition Status: | AS |
| Disposition Status Description: | ACTION SATISFIED (CASE CLOSED) |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7JWB |
| Enforcement Responsible Sub-Organization: | ENSV |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19880928 |
| Actual Return to Compliance Date: | 19891026 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 005 |
| Date of Enforcement Action: | 19880928 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19900418
Actual Return to Compliance Date: 19900503
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19900430
Enforcement Identifier: 010
Date of Enforcement Action: 19900418
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 19920522

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 1

SEP Expenditure Amount: 358706

SEP Scheduled Completion Date: 19990630

SEP Actual Date: 19990520

SEP Defaulted Date: Not reported

SEP Type: EPP

SEP Type Description: Emergency Planning and Preparedness

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Transporters - Manifest and Recordkeeping

Date Violation was Determined: 19950712

Actual Return to Compliance Date: 19960827

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19960927

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19880928
Actual Return to Compliance Date: 19881013
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19881013
Enforcement Identifier: 005
Date of Enforcement Action: 19880928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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| | |
|---|----------------------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Permits - Application |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20021015 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General Facility Standards |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 19940804

Actual Return to Compliance Date: 19950711

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 1

SEP Expenditure Amount: 358706

SEP Scheduled Completion Date: 19990630

SEP Actual Date: 19990520

SEP Defaulted Date: Not reported

SEP Type: EPP

SEP Type Description: Emergency Planning and Preparedness

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - Closure/Post-Closure

Date Violation was Determined: 19920522

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19960927

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19881115
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19921007
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|--------------|
| Final Amount: | 13000 |
| Found Violation: | Unknown |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19921007 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 008 |
| Date of Enforcement Action: | 19890708 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 19940804

Actual Return to Compliance Date: 19950711

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 3

SEP Expenditure Amount: 80000

SEP Scheduled Completion Date: 20030601

SEP Actual Date: 20020103

SEP Defaulted Date: Not reported

SEP Type: EAA

SEP Type Description: Environmental Audits and Assessment

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - General Facility Standards

Date Violation was Determined: 19930429

Actual Return to Compliance Date: 19930508

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: Not reported

Date of Enforcement Action: Not reported

Enforcement Responsible Agency: Not reported

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: Not reported

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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|---|--------------------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19921007 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19921007 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 13000 |
| Paid Amount: | 13000 |
| Final Count: | 1 |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Final Amount: 13000

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 19920522

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19960927

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: INITIAL 3008(A) COMPLIANCE

Enforcement Responsible Person: R7RBM

Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported

SEP Scheduled Completion Date: Not reported

SEP Actual Date: Not reported

SEP Defaulted Date: Not reported

SEP Type: Not reported

SEP Type Description: Not reported

Proposed Amount: 176119

Final Monetary Amount: Not reported

Paid Amount: Not reported

Final Count: Not reported

Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Transporters - Manifest and Recordkeeping

Date Violation was Determined: 19950712

Actual Return to Compliance Date: 19960827

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19871029
Actual Return to Compliance Date: 19981113
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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|---|----------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19930429 |
| Actual Return to Compliance Date: | 19930509 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19940804 |
| Actual Return to Compliance Date: | 19950711 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 19990223
Actual Return to Compliance Date: 19990308
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19990909
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - General Facility Standards

Date Violation was Determined: 19920522

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19960927

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: INITIAL 3008(A) COMPLIANCE

Enforcement Responsible Person: R7RBM

Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported

SEP Scheduled Completion Date: Not reported

SEP Actual Date: Not reported

SEP Defaulted Date: Not reported

SEP Type: Not reported

SEP Type Description: Not reported

Proposed Amount: 176119

Final Monetary Amount: Not reported

Paid Amount: Not reported

Final Count: Not reported

Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 19940804

Actual Return to Compliance Date: 19940822

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: 19940822

Enforcement Identifier: 000

Date of Enforcement Action: 19940804

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: R7

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Manifest
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20020917
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - General Facility Standards

Date Violation was Determined: 19920522

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 3

SEP Expenditure Amount: 80000

SEP Scheduled Completion Date: 20030601

SEP Actual Date: 20020103

SEP Defaulted Date: Not reported

SEP Type: EAA

SEP Type Description: Environmental Audits and Assessment

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Permits - Application

Date Violation was Determined: 20020911

Actual Return to Compliance Date: 20021015

Return to Compliance Qualifier: Documented

Violation Responsible Agency: EPA

Scheduled Compliance Date: 20020925

Enforcement Identifier: 001

Date of Enforcement Action: 20020910

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Transporters - Manifest and Recordkeeping
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|----------------------------------|
| Final Amount: | 176119 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19940804 |
| Actual Return to Compliance Date: | 19950711 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 2 |
| SEP Expenditure Amount: | 428000 |
| SEP Scheduled Completion Date: | 20011231 |
| SEP Actual Date: | 20001222 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EAP |
| SEP Type Description: | Environmental Awareness Programs |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |
| Final Amount: | 176119 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Permits - Application |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20030917 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|-------------------------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 3 |
| SEP Expenditure Amount: | 80000 |
| SEP Scheduled Completion Date: | 20030601 |
| SEP Actual Date: | 20020103 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EAA |
| SEP Type Description: | Environmental Audits and Assessment |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 19920522

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 2

SEP Expenditure Amount: 428000

SEP Scheduled Completion Date: 20011231

SEP Actual Date: 20001222

SEP Defaulted Date: Not reported

SEP Type: EAP

SEP Type Description: Environmental Awareness Programs

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - General

Date Violation was Determined: 19910215

Actual Return to Compliance Date: 19910402

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: 19910322

Enforcement Identifier: 013

Date of Enforcement Action: 19910322

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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|---|------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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|---|----------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19920724 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 008 |
| Date of Enforcement Action: | 19890708 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19930429 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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|---|----------------------|
| Final Amount: | 176119 |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19880928
Actual Return to Compliance Date: 19881013
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19881013
Enforcement Identifier: 005
Date of Enforcement Action: 19880928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: LDR - General

Date Violation was Determined: 19890708

Actual Return to Compliance Date: 19890724

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 007

Date of Enforcement Action: 19891222

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: INITIAL 3008(A) COMPLIANCE

Enforcement Responsible Person: Not reported

Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported

SEP Scheduled Completion Date: Not reported

SEP Actual Date: Not reported

SEP Defaulted Date: Not reported

SEP Type: Not reported

SEP Type Description: Not reported

Proposed Amount: 6500

Final Monetary Amount: Not reported

Paid Amount: Not reported

Final Count: Not reported

Final Amount: Not reported

Found Violation: No

Agency Which Determined Violation: Not reported

Violation Short Description: Not reported

Date Violation was Determined: Not reported

Actual Return to Compliance Date: Not reported

Return to Compliance Qualifier: Not reported

Violation Responsible Agency: Not reported

Scheduled Compliance Date: Not reported

Enforcement Identifier: Not reported

Date of Enforcement Action: Not reported

Enforcement Responsible Agency: Not reported

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: Not reported

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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Database(s)

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19940804
Actual Return to Compliance Date: 19940822
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19940822
Enforcement Identifier: 000
Date of Enforcement Action: 19940804
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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| | |
|---|-----------------------|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19871029 |
| Actual Return to Compliance Date: | 19981113 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Permits - Application |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20020917 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19921007
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19890926
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 6500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - General

Date Violation was Determined: 19890708

Actual Return to Compliance Date: 19921007

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 007

Date of Enforcement Action: 19891222

Enforcement Responsible Agency: EPA

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: INITIAL 3008(A) COMPLIANCE

Enforcement Responsible Person: Not reported

Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported

SEP Scheduled Completion Date: Not reported

SEP Actual Date: Not reported

SEP Defaulted Date: Not reported

SEP Type: Not reported

SEP Type Description: Not reported

Proposed Amount: 6500

Final Monetary Amount: Not reported

Paid Amount: Not reported

Final Count: Not reported

Final Amount: Not reported

Found Violation: No

Agency Which Determined Violation: Not reported

Violation Short Description: Not reported

Date Violation was Determined: Not reported

Actual Return to Compliance Date: Not reported

Return to Compliance Qualifier: Not reported

Violation Responsible Agency: Not reported

Scheduled Compliance Date: Not reported

Enforcement Identifier: Not reported

Date of Enforcement Action: Not reported

Enforcement Responsible Agency: Not reported

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: Not reported

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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|---|--------------------------------|
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19881115 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19921007 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 13000 |
| Paid Amount: | 13000 |
| Final Count: | 1 |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Final Amount: 13000

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: Generators - General

Date Violation was Determined: 19920522

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 1

SEP Expenditure Amount: 358706

SEP Scheduled Completion Date: 19990630

SEP Actual Date: 19990520

SEP Defaulted Date: Not reported

SEP Type: EPP

SEP Type Description: Emergency Planning and Preparedness

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: No

Agency Which Determined Violation: Not reported

Violation Short Description: Not reported

Date Violation was Determined: Not reported

Actual Return to Compliance Date: Not reported

Return to Compliance Qualifier: Not reported

Violation Responsible Agency: Not reported

Scheduled Compliance Date: Not reported

Enforcement Identifier: Not reported

Date of Enforcement Action: Not reported

Enforcement Responsible Agency: Not reported

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: Not reported

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19991221 |
| Actual Return to Compliance Date: | 20000531 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20000224 |
| Enforcement Responsible Agency: | State |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | ENF |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |

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|---|---|
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19880416 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19880416 |
| Enforcement Identifier: | 002 |
| Date of Enforcement Action: | 19880401 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Transporters - Manifest and Recordkeeping |
| Date Violation was Determined: | 19950712 |
| Actual Return to Compliance Date: | 19960827 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19960927
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

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Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: EPA

Violation Short Description: TSD - General Facility Standards

Date Violation was Determined: 19920522

Actual Return to Compliance Date: 19971231

Return to Compliance Qualifier: Observed

Violation Responsible Agency: EPA

Scheduled Compliance Date: Not reported

Enforcement Identifier: 000

Date of Enforcement Action: 19981113

Enforcement Responsible Agency: EPA

Enforcement Docket Number: VII-96-H-0010

Enforcement Attorney: R7KEJ

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Responsible Person: R7EGB

Enforcement Responsible Sub-Organization: RESP

SEP Sequence Number: 2

SEP Expenditure Amount: 428000

SEP Scheduled Completion Date: 20011231

SEP Actual Date: 20001222

SEP Defaulted Date: Not reported

SEP Type: EAP

SEP Type Description: Environmental Awareness Programs

Proposed Amount: Not reported

Final Monetary Amount: 20000

Paid Amount: 20000

Final Count: 1

Final Amount: 176119

Found Violation: No

Agency Which Determined Violation: Not reported

Violation Short Description: Not reported

Date Violation was Determined: Not reported

Actual Return to Compliance Date: Not reported

Return to Compliance Qualifier: Not reported

Violation Responsible Agency: Not reported

Scheduled Compliance Date: Not reported

Enforcement Identifier: Not reported

Date of Enforcement Action: Not reported

Enforcement Responsible Agency: Not reported

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: Not reported

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

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Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported

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| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20010223 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | MOPJ |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20010223 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19900418 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19900503 |
| Scheduled Compliance Date: | 19900430 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19900418 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19900503 |
| Scheduled Compliance Date: | 19900430 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19890724 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |

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Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920724
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20030917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19890724
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19900418
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19900503
Scheduled Compliance Date: 19900430
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported

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Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOJW
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881115
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19960827
Evaluation Responsible Agency: EPA
Found Violation: Undetermined
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RMV
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910215
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R7PAS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19910402
Scheduled Compliance Date: 19910322
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910207
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7PAS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19910215
Scheduled Compliance Date: 19910215
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported

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| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7KDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20020917 |
| Scheduled Compliance Date: | 20020925 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19960927 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | No |
| Evaluation Type Description: | SIGNIFICANT NON-COMPLIER |
| Evaluation Responsible Person Identifier: | R7EGB |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19860812 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | No |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19940804 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |

Map ID
Direction
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MAP FINDINGS

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020911
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950712
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19960827
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

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|---|--|
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7KDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20020917 |
| Scheduled Compliance Date: | 20020925 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19920724 |
| Scheduled Compliance Date: | 19890724 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19870910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19921007 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19971231 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | No |
| Evaluation Type Description: | NOT A SIGNIFICANT NON-COMPLIER |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19990223
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7JWB
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19990308
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20030806
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20010720
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOPJ
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20010223
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOPJ

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Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20010223
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920724
Scheduled Compliance Date: 19890724
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19880416
Scheduled Compliance Date: 19880416
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20011012
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: MOPJ
Evaluation Responsible Sub-Organization: ENF
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

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| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19890724 |
| Scheduled Compliance Date: | 19890724 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19910207 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7PAS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19910215 |
| Scheduled Compliance Date: | 19910215 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19940804 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | No |
| Evaluation Type Description: | SIGNIFICANT NON-COMPLIER |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20080430 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7JWB |
| Evaluation Responsible Sub-Organization: | ENSV |
| Actual Return to Compliance Date: | 20080513 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19940804 |
| Evaluation Responsible Agency: | EPA |

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Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20061101
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7JWB
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20061110
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19891026
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19991221
Evaluation Responsible Agency: EPA
Found Violation: Undetermined
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: R7JWB
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19850625
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19891026
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881013
Scheduled Compliance Date: 19881013
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920724
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20030917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20010223
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOPJ
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20010223
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881013
Scheduled Compliance Date: 19881013
Date of Request: Not reported
Date Response Received: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

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|---|--|
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7KDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20020917 |
| Scheduled Compliance Date: | 20020925 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20080430 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7JWB |
| Evaluation Responsible Sub-Organization: | ENSV |
| Actual Return to Compliance Date: | 20080513 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20080430 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7JWB |
| Evaluation Responsible Sub-Organization: | ENSV |
| Actual Return to Compliance Date: | 20080513 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19880928 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19891026 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19900418 |
| Evaluation Responsible Agency: | EPA |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--|
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19900503 |
| Scheduled Compliance Date: | 19900430 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19950712 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19960827 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19880928 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19881013 |
| Scheduled Compliance Date: | 19881013 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7KDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20021015 |

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Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Map ID
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Date: 19870910
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOJW
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881115
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19970610
Evaluation Responsible Agency: EPA
Found Violation: Undetermined
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RMV
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19981113
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: R7EGB
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM

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MAP FINDINGS

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19930508
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950712
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19960827
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported

Map ID
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--|
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19871029 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | NON-FINANCIAL RECORD REVIEW |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19981113 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19930429 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19930509 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19940804 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19950711 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19990223 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7JWB |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19990308 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19940822
Scheduled Compliance Date: 19940822
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20021015

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20030917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910215
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R7PAS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19910402
Scheduled Compliance Date: 19910322
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20070418
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE ASSISTANCE VISIT
Evaluation Responsible Person Identifier: MO-MD
Evaluation Responsible Sub-Organization: PER
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920724
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881013
Scheduled Compliance Date: 19881013
Date of Request: Not reported
Date Response Received: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

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|---|--|
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19890724 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19960827 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | No |
| Evaluation Type Description: | NOT A SIGNIFICANT NON-COMPLIER |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19940804 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19940822 |
| Scheduled Compliance Date: | 19940822 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19871029 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | NON-FINANCIAL RECORD REVIEW |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19981113 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20010919
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOSW
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOJW
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881115

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950712
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19991221
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: ENF
Actual Return to Compliance Date: 20000531
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19880416
Scheduled Compliance Date: 19880416
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Date: 19950712
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19960827
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950711
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

RCRA-LQG:

Date Form Received by Agency: 20220215
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Handler Address: 905 FACILITIES AVE
Handler City,State,Zip: ROLLA, MO 65409-6514
EPA ID: MOD000677773
Contact Name: TONY HUNT
Contact Address: NORTH STATE ST RM 108
Contact City,State,Zip: ROLLA, MO 65409-6535
Contact Telephone: 573-341-7645
Contact Fax: Not reported
Contact Email: THUNT@MST.EDU
Contact Title: ASSISTANT DIRECTOR EHS
EPA Region: 07
Land Type: State
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: 2021
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: NORTH STATE ST RM 108
Mailing City,State,Zip: ROLLA, MO 65409-6535
Owner Name: BOARD OF CURATORS UNIVERSITY OF UM
Owner Type: State
Operator Name: BOARD OF CURATORS UNIVERSITY OF UM
Operator Type: State
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
Active Site State-Reg Handler: —
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: N
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Storage
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Storage
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported

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| 202 GPRA Corrective Action Baseline: | Yes |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | Medium |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | Yes |
| Groundwater Controls Indicator: | Yes |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20220217 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Yes |
| Manifest Broker: | Yes |
| Sub-Part P Indicator: | No |

Biennial: List of Years

Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
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Year: 2009

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Year: 2005

Click Here for Biennial Reporting System Data:
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Hazardous Waste Summary:

| | |
|--------------------|--|
| Waste Code: | D001 |
| Waste Description: | IGNITABLE WASTE |
| Waste Code: | D002 |
| Waste Description: | CORROSIVE WASTE |
| Waste Code: | D003 |
| Waste Description: | REACTIVE WASTE |
| Waste Code: | D004 |
| Waste Description: | ARSENIC |
| Waste Code: | D005 |
| Waste Description: | BARIUM |
| Waste Code: | D006 |
| Waste Description: | CADMIUM |
| Waste Code: | D007 |
| Waste Description: | CHROMIUM |
| Waste Code: | D008 |
| Waste Description: | LEAD |
| Waste Code: | D009 |
| Waste Description: | MERCURY |
| Waste Code: | D010 |
| Waste Description: | SELENIUM |
| Waste Code: | D011 |
| Waste Description: | SILVER |
| Waste Code: | D012 |
| Waste Description: | ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-EN DO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE) |
| Waste Code: | D013 |
| Waste Description: | LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER) |
| Waste Code: | D014 |
| Waste Description: | METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE) |
| Waste Code: | D015 |
| Waste Description: | TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE) |
| Waste Code: | D016 |
| Waste Description: | 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID) |
| Waste Code: | D017 |
| Waste Description: | 2,4,5-TP SILVEX (2,4,5-TRICHLOROPHENOXYPROPIONIC ACID) |

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| Waste Code: | D018 |
| Waste Description: | BENZENE |
| Waste Code: | D019 |
| Waste Description: | CARBON TETRACHLORIDE |
| Waste Code: | D020 |
| Waste Description: | CHLORDANE |
| Waste Code: | D021 |
| Waste Description: | CHLOROBENZENE |
| Waste Code: | D022 |
| Waste Description: | CHLOROFORM |
| Waste Code: | D023 |
| Waste Description: | O-CRESOL |
| Waste Code: | D024 |
| Waste Description: | M-CRESOL |
| Waste Code: | D025 |
| Waste Description: | P-CRESOL |
| Waste Code: | D026 |
| Waste Description: | CRESOL |
| Waste Code: | D027 |
| Waste Description: | 1,4-DICHLOROBENZENE |
| Waste Code: | D028 |
| Waste Description: | 1,2-DICHLOROETHANE |
| Waste Code: | D029 |
| Waste Description: | 1,1-DICHLOROETHYLENE |
| Waste Code: | D030 |
| Waste Description: | 2,4-DINITROTOLUENE |
| Waste Code: | D031 |
| Waste Description: | HEPTACHLOR (AND ITS EPOXIDE) |
| Waste Code: | D032 |
| Waste Description: | HEXACHLOROBENZENE |
| Waste Code: | D033 |
| Waste Description: | HEXACHLOROBUTADIENE |
| Waste Code: | D034 |
| Waste Description: | HEXACHLOROETHANE |
| Waste Code: | D035 |
| Waste Description: | METHYL ETHYL KETONE |
| Waste Code: | D036 |
| Waste Description: | NITROBENZENE |

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| Waste Code: | D037 |
| Waste Description: | PENTACHLOROPHENOL |
| Waste Code: | D038 |
| Waste Description: | PYRIDINE |
| Waste Code: | D039 |
| Waste Description: | TETRACHLOROETHYLENE |
| Waste Code: | D040 |
| Waste Description: | TRICHLOROETHYLENE |
| Waste Code: | D041 |
| Waste Description: | 2,4,5-TRICHLOROPHENOL |
| Waste Code: | D042 |
| Waste Description: | 2,4,6-TRICHLOROPHENOL |
| Waste Code: | D043 |
| Waste Description: | VINYL CHLORIDE |
| Waste Code: | F001 |
| Waste Description: | THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES. |
| Waste Code: | F002 |
| Waste Description: | THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES. |
| Waste Code: | F003 |
| Waste Description: | THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES. |
| Waste Code: | F004 |
| Waste Description: | THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE |

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SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F006
Waste Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste Code: F007
Waste Description: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

Waste Code: F008
Waste Description: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F009
Waste Description: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F010
Waste Description: QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F011
Waste Description: SPENT CYANIDE SOLUTIONS FROM SLAT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.

Waste Code: F012
Waste Description: QUENCHING WASTEWATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F019
Waste Description: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Waste Code: F020
Waste Description: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- OR TETRACHLOROPHENOL OR OF INTERMEDIATES USED TO PRODUCE THEIR

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PESTICIDE DERIVATIVES. (THIS LISTING DOES NOT INCLUDE WASTES FROM THE PRODUCTION OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL.)

| | |
|--------------------|--|
| Waste Code: | F021 |
| Waste Description: | WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES. |
| Waste Code: | F022 |
| Waste Description: | WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENES UNDER ALKALINE CONDITIONS. |
| Waste Code: | F023 |
| Waste Description: | WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- AND TETRACHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE WASTES FROM EQUIPMENT USED ONLY FOR THE PRODUCTION OR USE OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL.) |
| Waste Code: | F024 |
| Waste Description: | PROCESS WASTES INCLUDING, BUT NOT LIMITED TO, DISTILLATION RESIDUES, HEAVY ENDS, TARS, AND REACTOR CLEAN-OUT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO, AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION. (THIS LISTING DOES NOT INCLUDE WASTEWATERS, WASTEWATER TREATMENT SLUDGE, SPENT CATALYSTS, AND WASTES LISTED IN SECTIONS 261.31. OR 261.32) |
| Waste Code: | F025 |
| Waste Description: | CONDENSED LIGHT ENDS, SPENT FILTERS AND FILTER AIDS, AND SPENT DESICCANT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO, AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION. |
| Waste Code: | F026 |
| Waste Description: | WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENE UNDER ALKALINE CONDITIONS. |
| Waste Code: | F027 |
| Waste Description: | DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.) |

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Waste Code: F028
Waste Description: RESIDUES RESULTING FROM THE INCINERATION OR THERMAL TREATMENT OF SOIL CONTAMINATED WITH EPA HAZARDOUS WASTE NOS. F020, F021, F022, F023, F026, AND F027.

Waste Code: F032
Waste Description: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT CURRENTLY USE, OR HAVE PREVIOUSLY USED, CHLOROPHENOLIC FORMULATIONS [EXCEPT POTENTIALLY CROSS-CONTAMINATED WASTES THAT HAVE HAD THE F032 WASTE CODE DELETED IN ACCORDANCE WITH SECTION 261.35 (I.E., THE NEWLY PROMULGATED EQUIPMENT CLEANING OR REPLACEMENT STANDARDS), AND WHERE THE GENERATOR DOES NOT RESUME OR INITIATE USE OF CHLOROPHENOLIC FORMULATIONS]. (THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.)

Waste Code: F034
Waste Description: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT USE CREOSOTE FORMULATIONS. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

Waste Code: F035
Waste Description: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT USE INORGANIC PRESERVATIVES CONTAINING ARSENIC OR CHROMIUM. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

Waste Code: F037
Waste Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Waste Code: F038
Waste Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2)

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(INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

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| Waste Code: | F039 |
| Waste Description: | LEACHATE RESULTING FROM THE TREATMENT, STORAGE, OR DISPOSAL OF WASTES CLASSIFIED BY MORE THAN ONE WASTE CODE UNDER SUBPART D, OR FROM A MIXTURE OF WASTES CLASSIFIED UNDER SUBPARTS C AND D OF THIS PART. (LEACHATE RESULTING FROM THE MANAGEMENT OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS HAZARDOUS WASTE CODE(S): F020, F021, F022, F023, F026, F027, AND/OR F028.) |
| Waste Code: | K001 |
| Waste Description: | BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATERS FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL. |
| Waste Code: | K002 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME YELLOW AND ORANGE PIGMENTS. |
| Waste Code: | K003 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF MOLYBDATE ORANGE PIGMENTS. |
| Waste Code: | K004 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF ZINC YELLOW PIGMENTS. |
| Waste Code: | K005 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME GREEN PIGMENTS. |
| Waste Code: | K006 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS (ANHYDROUS AND HYDRATED). |
| Waste Code: | K007 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF IRON BLUE PIGMENTS. |
| Waste Code: | K008 |
| Waste Description: | OVEN RESIDUE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS. |
| Waste Code: | K009 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE. |
| Waste Code: | K010 |
| Waste Description: | DISTILLATION SIDE CUTS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE. |
| Waste Code: | K011 |
| Waste Description: | BOTTOM STREAM FROM THE WASTEWATER STRIPPER IN THE PRODUCTION OF ACRYLONITRILE. |
| Waste Code: | K013 |

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| Waste Description: | BOTTOM STREAM FROM THE ACETONITRILE COLUMN IN THE PRODUCTION OF ACRYLONITRILE. |
| Waste Code: | K014 |
| Waste Description: | BOTTOMS FROM THE ACETONITRILE PURIFICATION COLUMN IN THE PRODUCTION OF ACRYLONITRILE. |
| Waste Code: | K015 |
| Waste Description: | STILL BOTTOMS FROM THE DISTILLATION OF BENZYL CHLORIDE. |
| Waste Code: | K016 |
| Waste Description: | HEAVY ENDS OR DISTILLATION RESIDUES FROM THE PRODUCTION OF CARBON TETRACHLORIDE. |
| Waste Code: | K017 |
| Waste Description: | HEAVY ENDS (STILL BOTTOMS) FROM THE PURIFICATION COLUMN IN THE PRODUCTION OF EPICHLOROHYDRIN. |
| Waste Code: | K018 |
| Waste Description: | HEAVY ENDS FROM THE FRACTIONATION COLUMN IN ETHYL CHLORIDE PRODUCTION. |
| Waste Code: | K019 |
| Waste Description: | HEAVY ENDS FROM THE DISTILLATION OF ETHYLENE DICHLORIDE IN ETHYLENE DICHLORIDE PRODUCTION. |
| Waste Code: | K020 |
| Waste Description: | HEAVY ENDS FROM THE DISTILLATION OF VINYL CHLORIDE IN VINYL CHLORIDE MONOMER PRODUCTION. |
| Waste Code: | K021 |
| Waste Description: | AQUEOUS SPENT ANTIMONY CATALYST WASTE FROM FLUOROMETHANE PRODUCTION. |
| Waste Code: | K022 |
| Waste Description: | DISTILLATION BOTTOM TARS FROM THE PRODUCTION OF PHENOL/ACETONE FROM CUMENE. |
| Waste Code: | K023 |
| Waste Description: | DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE. |
| Waste Code: | K024 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE. |
| Waste Code: | K025 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF NITROBENZENE BY THE NITRATION OF BENZENE. |
| Waste Code: | K026 |
| Waste Description: | STRIPPING STILL TAILS FROM THE PRODUCTION OF METHYL ETHYL PYRIDINES. |
| Waste Code: | K027 |
| Waste Description: | CENTRIFUGE AND DISTILLATION RESIDUES FROM TOLUENE DIISOCYANATE PRODUCTION. |
| Waste Code: | K028 |
| Waste Description: | SPENT CATALYST FROM THE HYDROCHLORINATOR REACTOR IN THE PRODUCTION OF |

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1,1,1-TRICHLOROETHANE.

Waste Code: K029

Waste Description: WASTE FROM THE PRODUCT STEAM STRIPPER IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.

Waste Code: K030

Waste Description: COLUMN BOTTOMS OR HEAVY ENDS FROM THE COMBINED PRODUCTION OF TRICHLOROETHYLENE AND PERCHLOROETHYLENE.

Waste Code: K031

Waste Description: BY-PRODUCT SALTS GENERATED IN THE PRODUCTION OF MSMA AND CACODYLIC ACID.

Waste Code: K032

Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHLORDANE.

Waste Code: K033

Waste Description: WASTEWATER AND SCRUB WATER FROM THE CHLORINATION OF CYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE.

Waste Code: K034

Waste Description: FILTER SOLIDS FROM THE FILTRATION OF HEXACHLOROCYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE.

Waste Code: K035

Waste Description: WASTEWATER TREATMENT SLUDGES GENERATED IN THE PRODUCTION OF CREOSOTE.

Waste Code: K036

Waste Description: STILL BOTTOMS FROM TOLUENE RECLAMATION DISTILLATION IN THE PRODUCTION OF DISULFOTON.

Waste Code: K037

Waste Description: WASTEWATER TREATMENT SLUDGES FROM THE PRODUCTION OF DISULFOTON.

Waste Code: K038

Waste Description: WASTEWATER FROM THE WASHING AND STRIPPING OF PHORATE PRODUCTION.

Waste Code: K039

Waste Description: FILTER CAKE FROM THE FILTRATION OF DIETHYLPHOSPHORODITHIOIC ACID IN THE PRODUCTION OF PHORATE.

Waste Code: K040

Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF PHORATE.

Waste Code: K041

Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF TOXAPHENE.

Waste Code: K042

Waste Description: HEAVY ENDS OR DISTILLATION RESIDUES FROM THE DISTILLATION OF TETRACHLOROBENZENE IN THE PRODUCTION OF 2,4,5-T.

Waste Code: K043

Waste Description: 2,6-DICHLOROPHENOL WASTE FROM THE PRODUCTION OF 2,4-D.

Waste Code: K044

Waste Description: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF

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EXPLOSIVES.

Waste Code: K045
Waste Description: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.

Waste Code: K046
Waste Description: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.

Waste Code: K047
Waste Description: PINK/RED WATER FROM TNT OPERATIONS.

Waste Code: K048
Waste Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K049
Waste Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K050
Waste Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K051
Waste Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K052
Waste Description: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K060
Waste Description: AMMONIA STILL LIME SLUDGE FROM COKING OPERATIONS.

Waste Code: K061
Waste Description: EMISSION CONTROL DUST/SLUDGE FROM THE PRIMARY PRODUCTION OF STEEL IN ELECTRIC FURNACES.

Waste Code: K062
Waste Description: SPENT PICKLE LIQUOR FROM STEEL FINISHING OPERATIONS OF PLANTS THAT PRODUCE IRON OR STEEL.

Waste Code: K064
Waste Description: ACID PLANT BLOWDOWN SLURRY/SLUDGE RESULTING FROM THE THICKENING OF BLOWDOWN SLURRY FROM PRIMARY COPPER PRODUCTION.

Waste Code: K065
Waste Description: SURFACE IMPOUNDMENT SOLIDS CONTAINED IN AND DREDGED FROM SURFACE IMPOUNDMENTS AT PRIMARY LEAD SMELTING FACILITIES.

Waste Code: K066
Waste Description: SLUDGE FROM TREATMENT OF PROCESS WASTEWATER AND/OR ACID PLANT BLOWDOWN FROM PRIMARY ZINC PRODUCTION.

Waste Code: K069
Waste Description: EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING.

Waste Code: K071
Waste Description: BRINE PURIFICATION MUDS FROM THE MERCURY CELL PROCESS IN CHLORINE

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PRODUCTION, IN WHICH SEPARATELY PREPURIFIED BRINE IS NOT USED.

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| Waste Code: | K073 |
| Waste Description: | CHLORINATED HYDROCARBON WASTE FROM THE PURIFICATION STEP OF THE DIAPHRAGM CELL PROCESS USING GRAPHITE ANODES IN CHLORINE PRODUCTION. |
| Waste Code: | K083 |
| Waste Description: | DISTILLATION BOTTOMS FROM ANILINE PRODUCTION. |
| Waste Code: | K084 |
| Waste Description: | WASTEWATER TREATMENT SLUDGES GENERATED DURING THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS. |
| Waste Code: | K085 |
| Waste Description: | DISTILLATION OR FRACTIONATION COLUMN BOTTOMS FROM THE PRODUCTION OF CHLOROBENZENES. |
| Waste Code: | K086 |
| Waste Description: | SOLVENT WASHES AND SLUDGES, CAUSTIC WASHES AND SLUDGES, OR WATER WASHES AND SLUDGES FROM CLEANING TUBS AND EQUIPMENT USED IN THE FORMULATION OF INK FROM PIGMENTS, DRIERS, SOAPS, AND STABILIZERS CONTAINING CHROMIUM AND LEAD. |
| Waste Code: | K087 |
| Waste Description: | DECANTER TANK TAR SLUDGE FROM COKING OPERATIONS. |
| Waste Code: | K088 |
| Waste Description: | SPENT POTLINERS FROM PRIMARY ALUMINUM REDUCTION. |
| Waste Code: | K090 |
| Waste Description: | EMISSION CONTROL DUST OR SLUDGE FROM FERROCHROMIUMSILICON PRODUCTION. |
| Waste Code: | K091 |
| Waste Description: | EMISSION CONTROL DUST OR SLUDGE FROM FERROCHROMIUM PRODUCTION. |
| Waste Code: | K093 |
| Waste Description: | DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE. |
| Waste Code: | K094 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE. |
| Waste Code: | K095 |
| Waste Description: | DISTILLATION BOTTOMS FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE. |
| Waste Code: | K096 |
| Waste Description: | HEAVY ENDS FROM THE HEAVY ENDS COLUMN FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE. |
| Waste Code: | K097 |
| Waste Description: | VACUUM STRIPPER DISCHARGE FROM THE CHLORDANE CHLORINATOR IN THE PRODUCTION OF CHLORDANE. |
| Waste Code: | K098 |
| Waste Description: | UNTREATED PROCESS WASTEWATER FROM THE PRODUCTION OF TOXAPHENE. |

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| Waste Code: | K099 |
| Waste Description: | UNTREATED WASTEWATER FROM THE PRODUCTION OF 2,4-D. |
| Waste Code: | K100 |
| Waste Description: | WASTE LEACHING SOLUTION FROM ACID LEACHING OF EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING. |
| Waste Code: | K101 |
| Waste Description: | DISTILLATION TAR RESIDUES FROM THE DISTILLATION OF ANILINE-BASED COMPOUNDS IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS. |
| Waste Code: | K102 |
| Waste Description: | RESIDUE FROM THE USE OF ACTIVATED CARBON FOR DECOLORIZATION IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS. |
| Waste Code: | K103 |
| Waste Description: | PROCESS RESIDUES FROM ANILINE EXTRACTION FROM THE PRODUCTION OF ANILINE. |
| Waste Code: | K104 |
| Waste Description: | COMBINED WASTEWATERS GENERATED FROM NITROBENZENE/ANILINE PRODUCTION. |
| Waste Code: | K105 |
| Waste Description: | SEPARATED AQUEOUS STREAM FROM THE REACTOR PRODUCT WASHING STEP IN THE PRODUCTION OF CHLOROBENZENES. |
| Waste Code: | K106 |
| Waste Description: | WASTEWATER TREATMENT SLUDGE FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION. |
| Waste Code: | K107 |
| Waste Description: | COLUMN BOTTOMS FROM PRODUCT SEPARATION FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE (UDMH) FROM CARBOXYLIC ACID HYDRAZIDES. |
| Waste Code: | K108 |
| Waste Description: | CONDENSED COLUMN OVERHEADS FROM PRODUCT SEPARATION AND CONDENSED REACTOR VENT GASES FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES. |
| Waste Code: | K109 |
| Waste Description: | SPENT FILTER CARTRIDGES FROM PRODUCT PURIFICATION FROM THE PRODUCT OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES. |
| Waste Code: | K110 |
| Waste Description: | CONDENSED COLUMN OVERHEADS FROM INTERMEDIATE SEPARATION FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES. |
| Waste Code: | K111 |
| Waste Description: | PRODUCT WASHWATERS FROM THE PRODUCTION OF DINITROTOLUENE VIA NITRATION OF TOLUENE. |
| Waste Code: | K112 |
| Waste Description: | REACTION BY-PRODUCT WATER FROM THE DRYING COLUMN IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE. |

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Waste Code: K113
Waste Description: CONDENSED LIQUID LIGHT ENDS FROM PURIFICATION OF TOLUENEDIAMINE IN PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

Waste Code: K114
Waste Description: VICINALS FROM THE PURIFICATION OF TOLUENEDIAMINE IN PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

Waste Code: K115
Waste Description: HEAVY ENDS FROM PURIFICATION OF TOLUENEDIAMINE IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

Waste Code: K116
Waste Description: ORGANIC CONDENSATE FROM THE SOLVENT RECOVERY COLUMN IN THE PRODUCTION OF TOLUENE DIISOCYANATE VIA PHOSGENATION OF TOLUENEDIAMINE.

Waste Code: K117
Waste Description: WASTEWATER FROM THE REACTOR VENT GAS SCRUBBER IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

Waste Code: K118
Waste Description: SPENT ADSORBENT SOLIDS FROM PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

Waste Code: K123
Waste Description: PROCESS WASTEWATER (INCLUDING SUPERNATES, FILTRATES, AND WASHWATERS) FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

Waste Code: K124
Waste Description: REACTOR VENT SCRUBBER WATER FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

Waste Code: K125
Waste Description: FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

Waste Code: K126
Waste Description: BAGHOUSE DUST AND FLOOR SWEEPINGS IN MILLING AND PACKAGING OPERATIONS FROM PRODUCTION OR FORMULATION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

Waste Code: K131
Waste Description: WASTEWATER FROM THE REACTOR AND SPENT SULFURIC ACID FROM THE ACID DRYER FROM THE PRODUCTION OF METHYL BROMIDE.

Waste Code: K132
Waste Description: SPENT ABSORBENT AND WASTEWATER SEPARATOR SOLIDS FROM THE PRODUCTION OF METHYL BROMIDE.

Waste Code: K136
Waste Description: STILL BOTTOMS FROM THE PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

Waste Code: K141
Waste Description: PROCESS RESIDUES FROM THE RECOVERY OF COAL TAR, INCLUDING, BUT NOT LIMITED TO, TAR COLLECTING SUMP RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. THIS

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LISTING DOES NOT INCLUDE K087 (DECANTER TANK SLUDGE FROM COKING OPERATIONS).

Waste Code: K142
Waste Description: TANK STORAGE RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR FROM THE RECOVERY OF COKE BY-PRODUCTS FROM COAL.

Waste Code: K143
Waste Description: PROCESS RESIDUES FROM THE RECOVERY OF LIGHT OIL, INCLUDING, BUT NOT LIMITED TO, THOSE GENERATED IN STILLs, DECANTERS, AND WASH OIL RECOVERY UNITS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Waste Code: K144
Waste Description: WASTEWATER SUMP RESIDUES FROM LIGHT OIL REFINING, INCLUDING, BUT NOT LIMITED TO, INTERCEPTING OR CONTAMINATION SUMP SLUDGES FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Waste Code: K145
Waste Description: RESIDUES FROM NAPHTHALENE COLLECTION AND RECOVERY OPERATIONS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Waste Code: K147
Waste Description: TAR STORAGE RESIDUES FROM COAL TAR REFINING.

Waste Code: K148
Waste Description: RESIDUES FROM COAL TAR DISTILLATION, INCLUDING, BUT NOT LIMITED TO, STILL BOTTOMS.

Waste Code: K149
Waste Description: DISTILLATION BOTTOMS FROM THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, RING-CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS. [THIS WASTE DOES NOT INCLUDE STILL BOTTOMS FROM THE DISTILLATION OF BENZOYL CHLORIDE]

Waste Code: K150
Waste Description: ORGANIC RESIDUES EXCLUDING SPENT CARBON ADSORBENT, FROM THE SPENT CHLORINE GAS AND HYDROCHLORIC ACID RECOVERY PROCESSES ASSOCIATED WITH THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS.

Waste Code: K151
Waste Description: WASTEWATER TREATMENT SLUDGES, EXCLUDING NEUTRALIZATION AND BIOLOGICAL SLUDGES, GENERATED DURING THE TREATMENT OF WASTEWATERS FROM THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS.

Waste Code: K156
Waste Description: ORGANIC WASTE (INCLUDING HEAVY ENDS, STILL BOTTOMS, LIGHT ENDS, SPENT SOLVENTS, FILTRATES, AND DECANTATES) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

Waste Code: K157
Waste Description: WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

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| Waste Code: | K158 |
| Waste Description: | BAG HOUSE DUSTS AND FILTER/SEPARATION SOLIDS FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES. |
| Waste Code: | K159 |
| Waste Description: | ORGANICS FROM THE TREATMENT OF THIOCARBAMATE WASTES. |
| Waste Code: | K160 |
| Waste Description: | SOLIDS (INCLUDING FILTER WASTES, SEPARATION SOLIDS, AND SPENT CATALYSTS) FROM THE PRODUCTION OF THIOCARBAMATES AND SOLIDS FROM THE TREATMENT OF THIOCARBAMATE WASTES. |
| Waste Code: | K161 |
| Waste Description: | PURIFICATION SOLIDS (INCLUDING FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS), BAG HOUSE DUST AND FLOOR SWEEPINGS FROM THE PRODUCTION OF DITHIOCARBAMATE ACIDS AND THEIR SALTS. (THIS LISTING DOES NOT INCLUDE K125 OR K126). |
| Waste Code: | LABP |
| Waste Description: | LAB PACK |
| Waste Code: | NONE |
| Waste Description: | Not Defined |
| Waste Code: | P001 |
| Waste Description: | 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% |
| Waste Code: | P002 |
| Waste Description: | 1-ACETYL-2-THIOUREA (OR) ACETAMIDE, N-(AMINOTHIOXOMETHYL)- |
| Waste Code: | P003 |
| Waste Description: | 2-PROPENAL (OR) ACROLEIN |
| Waste Code: | P004 |
| Waste Description: | 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5ALPHA, 8ALPHA, 8ABETA)- (OR) ALDRIN |
| Waste Code: | P005 |
| Waste Description: | 2-PROPEN-1-OL (OR) ALLYL ALCOHOL |
| Waste Code: | P006 |
| Waste Description: | ALUMINUM PHOSPHIDE (R,T) |
| Waste Code: | P007 |
| Waste Description: | 3(2H)-ISOXAZOLONE, 5-(AMINOMETHYL)- (OR) 5-(AMINOMETHYL)-3-ISOXAZOL |
| Waste Code: | P008 |
| Waste Description: | 4-AMINOPYRIDINE (OR) 4-PYRIDINAMINE |
| Waste Code: | P009 |
| Waste Description: | AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R) |
| Waste Code: | P010 |
| Waste Description: | ARSENIC ACID H3ASO4 |

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| Waste Code: | P011 |
| Waste Description: | ARSENIC OXIDE AS ₂ O ₅ (OR) ARSENIC PENTOXIDE |
| Waste Code: | P012 |
| Waste Description: | ARSENIC OXIDE AS ₂ O ₃ (OR) ARSENIC TRIOXIDE |
| Waste Code: | P013 |
| Waste Description: | BARIUM CYANIDE |
| Waste Code: | P014 |
| Waste Description: | BENZENETHIOL (OR) THIOPHENOL |
| Waste Code: | P015 |
| Waste Description: | BERYLLIUM |
| Waste Code: | P016 |
| Waste Description: | DICHLOROMETHYL ETHER (OR) METHANE, OXYBIS[CHLORO- |
| Waste Code: | P017 |
| Waste Description: | 2-PROPANONE, 1-BROMO- (OR) BROMOACETONE |
| Waste Code: | P018 |
| Waste Description: | BRUCINE (OR) STRYCHNIDIN-10-ONE, 2,3-DIMETHOXY- |
| Waste Code: | P020 |
| Waste Description: | DINOSEB (OR) PHENOL, 2-(1-METHYLPROPYL)-4,6-DINITRO- |
| Waste Code: | P021 |
| Waste Description: | CALCIUM CYANIDE (OR) CALCIUM CYANIDE CA(CN) ₂ |
| Waste Code: | P022 |
| Waste Description: | CARBON DISULFIDE |
| Waste Code: | P023 |
| Waste Description: | ACETALDEHYDE, CHLORO- (OR) CHLOROACETALDEHYDE |
| Waste Code: | P024 |
| Waste Description: | BENZENAMINE, 4-CHLORO- (OR) P-CHLORANILINE |
| Waste Code: | P026 |
| Waste Description: | 1-(O-CHLOROPHENYL)THIOUREA (OR) THIOUREA, (2-CHLOROPHENYL)- |
| Waste Code: | P027 |
| Waste Description: | 3-CHLOROPROPIONITRILE (OR) PROPANENITRILE, 3-CHLORO- |
| Waste Code: | P028 |
| Waste Description: | BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE |
| Waste Code: | P029 |
| Waste Description: | COPPER CYANIDE (OR) COPPER CYANIDE CU(CN) |
| Waste Code: | P030 |
| Waste Description: | CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED |
| Waste Code: | P031 |
| Waste Description: | CYANOGEN (OR) ETHANEDINITRILE |

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| Waste Code: | P033 |
| Waste Description: | CYANOGEN CHLORIDE (OR) CYANOGEN CHLORIDE (CN)CL |
| Waste Code: | P034 |
| Waste Description: | 2-CYCLOHEXYL-4,6-DINITROPHENOL (OR) PHENOL, 2-CYCLOHEXYL-4,6-DINITRO- |
| Waste Code: | P036 |
| Waste Description: | ARSONOUS DICHLORIDE, PHENYL- (OR) DICHLOROPHENYLARSINE |
| Waste Code: | P037 |
| Waste Description: | 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2AALPHA, 3BETA, 6BETA, 6AALPHA, 7BETA, 7AALPHA)- (OR) DIELDRIN |
| Waste Code: | P038 |
| Waste Description: | ARSINE, DIETHYL- (OR) DIETHYLARSINE |
| Waste Code: | P039 |
| Waste Description: | DISULFOTON (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[2-(ETHYLTHIO)ETHYL] ESTER |
| Waste Code: | P040 |
| Waste Description: | O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL O-PYRAZINYL ESTER |
| Waste Code: | P041 |
| Waste Description: | DIETHYL-P-NITROPHENYL PHOSPHATE (OR) PHOSPHORIC ACID, DIETHYL 4-NITROPHENYL ESTER |
| Waste Code: | P042 |
| Waste Description: | 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE |
| Waste Code: | P043 |
| Waste Description: | DIISOPROPYLFLUOROPHOSPHATE (DFP) (OR) PHOSPHOROFUORIDIC ACID, BIS(1-METHYLETHYL) ESTER |
| Waste Code: | P044 |
| Waste Description: | DIMETHOATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIMETHYL S-[2-(METHYLAMINO)-2-OXOETHYL] ESTER |
| Waste Code: | P045 |
| Waste Description: | 2-BUTANONE, 3,3-DIMETHYL-1-(METHYLTHIO)-, O-[METHYLAMINO)CARBONYL] OXIME (OR) THIOFANOX |
| Waste Code: | P046 |
| Waste Description: | ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA, ALPHA-DIMETHYL- |
| Waste Code: | P047 |
| Waste Description: | 4,6-DINITRO-O-CRESOL, & SALTS (OR) PHENOL, 2-METHYL-4,6-DINITRO-, & SALTS |
| Waste Code: | P048 |
| Waste Description: | 2,4-DINITROPHENOL (OR) PHENOL, 2,4-DINITRO- |
| Waste Code: | P049 |

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| Waste Description: | DITHIOBIURET (OR) THIOIMIDODICARBONIC DIAMIDE [(H2N)C(S)]2NH |
| Waste Code: | P050 |
| Waste Description: | 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6,9,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN |
| Waste Code: | P051 |
| Waste Description: | 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES (OR) ENDRIN (OR) ENDRIN, & METABOLITES |
| Waste Code: | P054 |
| Waste Description: | AZIRIDINE (OR) ETHYLENEIMINE |
| Waste Code: | P056 |
| Waste Description: | FLUORINE |
| Waste Code: | P057 |
| Waste Description: | ACETAMIDE, 2-FLUORO- (OR) FLUOROACETAMIDE |
| Waste Code: | P058 |
| Waste Description: | ACETIC ACID, FLUORO-, SODIUM SALT (OR) FLUOROACETIC ACID, SODIUM SALT |
| Waste Code: | P059 |
| Waste Description: | 4,7-METHANO-1H-INDENE, 1,4,5,6,7,8,8-HEPTACHLORO-3A,4,7,7A-TETRAHYDRO- (OR) HEPTACHLOR |
| Waste Code: | P060 |
| Waste Description: | 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5BETA, 8BETA, 8ABETA)- (OR) ISODRIN |
| Waste Code: | P062 |
| Waste Description: | HEXAETHYL TETRAPHOSPHATE (OR) TETRAPHOSPHORIC ACID, HEXAETHYL ESTER |
| Waste Code: | P063 |
| Waste Description: | HYDROCYANIC ACID (OR) HYDROGEN CYANIDE |
| Waste Code: | P064 |
| Waste Description: | METHANE, ISOCYANATO- (OR) METHYL ISOCYANATE |
| Waste Code: | P065 |
| Waste Description: | FULMINIC ACID, MERCURY(2+) SALT (R,T) (OR) MERCURY FULMINATE (R,T) |
| Waste Code: | P066 |
| Waste Description: | ETHANIMIDOTHIOIC ACID, N-[[[(METHYLAMINO)CARBONYL]OXY]-, METHYL ESTER (OR) METHOMYL |
| Waste Code: | P067 |
| Waste Description: | 1,2-PROPYLENIMINE (OR) AZIRIDINE, 2-METHYL- |
| Waste Code: | P068 |
| Waste Description: | HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE |
| Waste Code: | P069 |
| Waste Description: | 2-METHYLLACTONITRILE (OR) PROPANENITRILE, 2-HYDROXY-2-METHYL- |

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| Waste Code: | P070 |
| Waste Description: | ALDICARB (OR) PROPANAL, 2-METHYL-2-(METHYLTHIO)-, O-[(METHYLAMINO)CARBONYL]OXIME |
| Waste Code: | P071 |
| Waste Description: | METHYL PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O,-DIMETHYL O-(4-NITROPHENYL) ESTER |
| Waste Code: | P072 |
| Waste Description: | ALPHA-NAPHTHYLTHIOUREA (OR) THIOUREA, 1-NAPHTHALENYL- |
| Waste Code: | P073 |
| Waste Description: | NICKEL CARBONYL (OR) NICKEL CARBONYL NI(CO) ₄ , (T-4)- |
| Waste Code: | P074 |
| Waste Description: | NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN) ₂ |
| Waste Code: | P075 |
| Waste Description: | NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS |
| Waste Code: | P076 |
| Waste Description: | NITRIC OXIDE (OR) NITROGEN OXIDE NO |
| Waste Code: | P077 |
| Waste Description: | BENZENAMINE, 4-NITRO- (OR) P-NITROANILINE |
| Waste Code: | P078 |
| Waste Description: | NITROGEN DIOXIDE (OR) NITROGEN OXIDE NO ₂ |
| Waste Code: | P081 |
| Waste Description: | 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R) |
| Waste Code: | P082 |
| Waste Description: | METHANIMINE, N-METHYL-N-NITROSO- (OR) N-NITROSODIMETHYLAMINE |
| Waste Code: | P084 |
| Waste Description: | N-NITROSOMETHYLVINYLAMINE (OR) VINYLAMINE, N-METHYL-N-NITROSO- |
| Waste Code: | P085 |
| Waste Description: | DIPHOSPHORAMIDE, OCTAMETHYL- (OR) OCTAMETHYLPYROPHOSPHORAMIDE |
| Waste Code: | P087 |
| Waste Description: | OSMIUM OXIDE OSO ₄ , (T-4)- (OR) OSMIUM TETROXIDE |
| Waste Code: | P088 |
| Waste Description: | 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ACID (OR) ENDOTHALL |
| Waste Code: | P089 |
| Waste Description: | PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL-O-(4-NITROPHENYL) ESTER |
| Waste Code: | P092 |
| Waste Description: | MERCURY, (ACETATO-O)PHENYL- (OR) PHENYLMERCURY ACETATE |
| Waste Code: | P093 |
| Waste Description: | PHENYLTHIOUREA (OR) THIOUREA, PHENYL- |

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| Waste Code: | P094 |
| Waste Description: | PHORATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[(ETHYLTHIO)METHYL] ESTER |
| Waste Code: | P095 |
| Waste Description: | CARBONIC DICHLORIDE (OR) PHOSGENE |
| Waste Code: | P096 |
| Waste Description: | HYDROGEN PHOSPHIDE (OR) PHOSPHINE |
| Waste Code: | P097 |
| Waste Description: | FAMPHUR (OR) PHOSPHOROTHIOIC ACID O-[4-[(DIMETHYLAMINO)SULFONYL]PHENYL] O,O-DIMETHYL ESTER |
| Waste Code: | P098 |
| Waste Description: | POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN) |
| Waste Code: | P099 |
| Waste Description: | ARGENTATE (1-), BIS(CYANO-C)-, POTASSIUM (OR) POTASSIUM SILVER CYANIDE |
| Waste Code: | P101 |
| Waste Description: | ETHYL CYANIDE (OR) PROPANENITRILE |
| Waste Code: | P102 |
| Waste Description: | 2-PROPYN-1-OL (OR) PROPARGYL ALCOHOL |
| Waste Code: | P103 |
| Waste Description: | SELENOUREA |
| Waste Code: | P104 |
| Waste Description: | SILVER CYANIDE (OR) SILVER CYANIDE AG(CN) |
| Waste Code: | P105 |
| Waste Description: | SODIUM AZIDE |
| Waste Code: | P106 |
| Waste Description: | SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN) |
| Waste Code: | P108 |
| Waste Description: | STRYCHNIDIN-10-ONE, & SALTS (OR) STRYCHNINE, & SALTS |
| Waste Code: | P109 |
| Waste Description: | TETRAETHYLDITHIOPYROPHOSPHATE (OR) THIODIPHOSPHORIC ACID, TETRAETHYL ESTER |
| Waste Code: | P110 |
| Waste Description: | PLUMBANE, TETRAETHYL- (OR) TETRAETHYL LEAD |
| Waste Code: | P111 |
| Waste Description: | DIPHOSPHORIC ACID, TETRAETHYL ESTER (OR) TETRAETHYL PYROPHOSPHATE |
| Waste Code: | P112 |
| Waste Description: | METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R) |
| Waste Code: | P113 |
| Waste Description: | THALLIC OXIDE (OR) THALLIUM OXIDE TL2O3 |

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| Waste Code: | P114 |
| Waste Description: | SELENIOS ACID, DITHALLIUM (1+) SALT (OR) THALLIUM(I) SELENITE |
| Waste Code: | P115 |
| Waste Description: | SULFURIC ACID, DITHALLIUM (1+) SALT (OR) THALLIUM(I) SULFATE |
| Waste Code: | P116 |
| Waste Description: | HYDRAZINECARBOTHIOAMIDE (OR) THIOSEMICARBAZIDE |
| Waste Code: | P118 |
| Waste Description: | METHANETHIOL, TRICHLORO- (OR) TRICHLOROMETHANETHIOL |
| Waste Code: | P119 |
| Waste Description: | AMMONIUM VANADATE (OR) VANADIC ACID, AMMONIUM SALT |
| Waste Code: | P120 |
| Waste Description: | VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE |
| Waste Code: | P121 |
| Waste Description: | ZINC CYANIDE (OR) ZINC CYANIDE ZN(CN)2 |
| Waste Code: | P122 |
| Waste Description: | ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R, T) |
| Waste Code: | P123 |
| Waste Description: | TOXAPHENE |
| Waste Code: | P185 |
| Waste Description: | 1,3-DITHIOLANE-2-CARBOXALDEHYDE, 2,4-DIMETHYL-, O-[(METHYLAMINO)-CARBONYL]OXIME (OR) TIRPATE |
| Waste Code: | P188 |
| Waste Description: | BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL-5-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE |
| Waste Code: | P189 |
| Waste Description: | CARBAMIC ACID, [(DIBUTYLAMINO)-THIO]METHYL-, 2,3-DIHYDRO-2,2-DIMETHYL-7-BENZOFURANYL ESTER (OR) CARBOSULFAN |
| Waste Code: | P190 |
| Waste Description: | CARBAMIC ACID, METHYL-, 3-METHYLPHENYL ESTER (OR) METOLCARB |
| Waste Code: | P191 |
| Waste Description: | CARBAMIC ACID, DIMETHYL-, 1-[(DIMETHYL-AMINO)CARBONYL]- 5-METHYL-1H-PYRAZOL-3-YL ESTER (OR) DIMETILAN |
| Waste Code: | P192 |
| Waste Description: | ISOLAN (OR) CARBAMIC ACID, DIMETHYL-, 3-METHYL-(1-METHYLETHYL)-1H-PYRAZOL-5-YL ESTER |
| Waste Code: | P194 |
| Waste Description: | ETHANIMIDOTHIOC ACID, 2-(DIMETHYLAMINO)-N-[(METHYLAMINO) CARBONYL]OXY]-2-OXO-, METHYL ESTER (OR) OXAMYL |
| Waste Code: | P196 |

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| Waste Description: | MANGANESE DIMETHYLDITHIOCARBAMATE (OR) MANGANESE, BIS(DIMETHYLCARBAMODITHIOATO-S,S')-, |
| Waste Code: | P197 |
| Waste Description: | FORMPARANATE (OR) METHANIMIDAMIDE, N,N-DIMETHYL-N'-[2-METHYL-4-[(METHYLAMINO)CARBONYL]OXY]PHENYL] |
| Waste Code: | P198 |
| Waste Description: | METHANIMIDAMIDE, N,N-DIMETHYL-N'-[3-[(METHYLAMINO)-CARBONYL]OXY]PHENYL]-, MONOHYDROCHLORIDE (OR) FORMETANATE HYDROCHLORIDE |
| Waste Code: | P201 |
| Waste Description: | PHENOL, 3-METHYL-5-(1-METHYLETHYL)-, METHYL CARBAMATE (OR) PROMECARB |
| Waste Code: | P202 |
| Waste Description: | M-CUMENYL METHYLCARBAMATE (OR) 3-ISOPROPYLPHENYL N-METHYLCARBAMATE (OR) PHENOL, 3-(1-METHYLETHYL)-, METHYL CARBAMATE |
| Waste Code: | P203 |
| Waste Description: | ALDICARB SULFONE (OR) PROPANAL, 2-METHYL-2-(METHYL-SULFONYL)-, O-[(METHYLAMINO)CARBONYL] OXIME |
| Waste Code: | P204 |
| Waste Description: | PHYSOSTIGMINE (OR) PYRROLO[2,3-B]INDOL-5-OL, 1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYL-METHYLCARBAMATE (ESTER), (3AS-CIS)- |
| Waste Code: | P205 |
| Waste Description: | ZINC, BIS(DIMETHYLCARBAMODITHIOATO-S,S')-, (OR) ZIRAM |
| Waste Code: | U001 |
| Waste Description: | ACETALDEHYDE (I) (OR) ETHANAL (I) |
| Waste Code: | U002 |
| Waste Description: | 2-PROPANONE (I) (OR) ACETONE (I) |
| Waste Code: | U003 |
| Waste Description: | ACETONITRILE (I,T) |
| Waste Code: | U004 |
| Waste Description: | ACETOPHENONE (OR) ETHANONE, 1-PHENYL- |
| Waste Code: | U005 |
| Waste Description: | 2-ACETYLAMINOFLUORENE (OR) ACETAMIDE, N-9H-FLUOREN-2-YL |
| Waste Code: | U006 |
| Waste Description: | ACETYL CHLORIDE (C,R,T) |
| Waste Code: | U007 |
| Waste Description: | 2-PROPENAMIDE (OR) ACRYLAMIDE |
| Waste Code: | U008 |
| Waste Description: | 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I) |
| Waste Code: | U009 |
| Waste Description: | 2-PROPENENITRILE (OR) ACRYLONITRILE |

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| Waste Code: | U010 |
| Waste Description: | AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[[(AMINOCARBONYLOXY)METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET HOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C |
| Waste Code: | U011 |
| Waste Description: | 1H-1,2,4-TRIAZOL-3-AMINE (OR) AMITROLE |
| Waste Code: | U012 |
| Waste Description: | ANILINE (I,T) (OR) BENZENAMINE (I,T) |
| Waste Code: | U014 |
| Waste Description: | AURAMINE (OR) BENZENAMINE, 4,4'-CARBONIMIDOYLBIS[N,N-DIMETHYL- |
| Waste Code: | U015 |
| Waste Description: | AZASERINE (OR) L-SERINE, DIAZOACETATE (ESTER) |
| Waste Code: | U016 |
| Waste Description: | BENZ[C]ACRIDINE |
| Waste Code: | U017 |
| Waste Description: | BENZAL CHLORIDE (OR) BENZENE, (DICHLOROMETHYL)- |
| Waste Code: | U018 |
| Waste Description: | BENZ[A]ANTHRACENE |
| Waste Code: | U019 |
| Waste Description: | BENZENE (I,T) |
| Waste Code: | U020 |
| Waste Description: | BENZENESULFONIC ACID CHLORIDE (C,R) (OR) BENZENESULFONYL CHLORIDE (C,R) |
| Waste Code: | U021 |
| Waste Description: | [1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE |
| Waste Code: | U022 |
| Waste Description: | BENZO[A]PYRENE |
| Waste Code: | U023 |
| Waste Description: | BENZENE, (TRICHLOROMETHYL)- (OR) BENZOTRICHLORIDE (C,R,T) |
| Waste Code: | U024 |
| Waste Description: | DICHLOROMETHOXY ETHANE (OR) ETHANE, 1,1'-[METHYLENEBIS(OXY)]BIS[2-CHLORO- |
| Waste Code: | U025 |
| Waste Description: | DICHLOROETHYL ETHER (OR) ETHANE, 1,1'-OXYBIS[2-CHLORO- |
| Waste Code: | U026 |
| Waste Description: | CHLORNAPHAZIN (OR) NAPHTHALENAMINE, N,N'-BIS(2-CHLOROETHYL)- |
| Waste Code: | U027 |
| Waste Description: | DICHLOROISOPROPYL ETHER (OR) PROPANE, 2,2'-OXYBIS[2-CHLORO- |
| Waste Code: | U028 |

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| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL) ESTER (OR) DIETHYLHEXYL PHTHALATE |
| Waste Code: | U029 |
| Waste Description: | METHANE, BROMO- (OR) METHYL BROMIDE |
| Waste Code: | U030 |
| Waste Description: | 4-BROMOPHENYL PHENYL ETHER (OR) BENZENE, 1-BROMO-4-PHENOXY- |
| Waste Code: | U031 |
| Waste Description: | 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I) |
| Waste Code: | U032 |
| Waste Description: | CALCIUM CHROMATE (OR) CHROMIC ACID H ₂ CrO ₄ , CALCIUM SALT |
| Waste Code: | U033 |
| Waste Description: | CARBON OXYFLUORIDE (R,T) (OR) CARBONIC DIFLUORIDE |
| Waste Code: | U034 |
| Waste Description: | ACETALDEHYDE, TRICHLORO- (OR) CHLORAL |
| Waste Code: | U035 |
| Waste Description: | BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL |
| Waste Code: | U036 |
| Waste Description: | 4,7-METHANO-1H-INDENE, 1,2,4,5,6,7,8-OCTACHLORO-2,3,3A,4,7,7A-HEXAHYDRO- (OR) CHLORDANE, ALPHA & GAMMA ISOMERS |
| Waste Code: | U037 |
| Waste Description: | BENZENE, CHLORO- (OR) CHLOROBENZENE |
| Waste Code: | U038 |
| Waste Description: | BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-, ETHYL ESTER (OR) CHLOROBENZILATE |
| Waste Code: | U039 |
| Waste Description: | P-CHLORO-M-CRESOL (OR) PHENOL, 4-CHLORO-3-METHYL- |
| Waste Code: | U041 |
| Waste Description: | EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)- |
| Waste Code: | U042 |
| Waste Description: | 2-CHLOROETHYL VINYL ETHER (OR) ETHENE, (2-CHLOROETHOXY)- |
| Waste Code: | U043 |
| Waste Description: | ETHENE, CHLORO- (OR) VINYL CHLORIDE |
| Waste Code: | U044 |
| Waste Description: | CHLOROFORM (OR) METHANE, TRICHLORO- |
| Waste Code: | U045 |
| Waste Description: | METHANE, CHLORO- (I,T) (OR) METHYL CHLORIDE (I,T) |
| Waste Code: | U046 |
| Waste Description: | CHLOROMETHYL METHYL ETHER (OR) METHANE, CHLOROMETHOXY- |

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| Waste Code: | U047 |
| Waste Description: | BETA-CHLORONAPHTHALENE (OR) NAPHTHALENE, 2-CHLORO- |
| Waste Code: | U048 |
| Waste Description: | O-CHLOROPHENOL (OR) PHENOL, 2-CHLORO- |
| Waste Code: | U049 |
| Waste Description: | 4-CHLORO-O-TOLUIDINE, HYDROCHLORIDE (OR) BENZENAMINE, 4-CHLORO-2-METHYL-, HYDROCHLORIDE |
| Waste Code: | U050 |
| Waste Description: | CHRYSENE |
| Waste Code: | U051 |
| Waste Description: | CREOSOTE |
| Waste Code: | U052 |
| Waste Description: | CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL- |
| Waste Code: | U053 |
| Waste Description: | 2-BUTENAL (OR) CROTONALDEHYDE |
| Waste Code: | U055 |
| Waste Description: | BENZENE, (1-METHYLETHYL)- (I) (OR) CUMENE (I) |
| Waste Code: | U056 |
| Waste Description: | BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I) |
| Waste Code: | U057 |
| Waste Description: | CYCLOHEXANONE (I) |
| Waste Code: | U058 |
| Waste Description: | 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE |
| Waste Code: | U059 |
| Waste Description: | 5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]- 7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN |
| Waste Code: | U060 |
| Waste Description: | BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDD |
| Waste Code: | U061 |
| Waste Description: | BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDT |
| Waste Code: | U062 |
| Waste Description: | CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3-DICHLORO-2-PROPENYL) ESTER (OR) DIALLATE |
| Waste Code: | U063 |
| Waste Description: | DIBENZ[A,H]ANTHRACENE |
| Waste Code: | U064 |
| Waste Description: | BENZO[RST]PENTAPHENE (OR) DIBENZO[A,I]PYRENE |

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| Waste Code: | U066 |
| Waste Description: | 1,2-DIBROMO-3-CHLOROPROPANE (OR) PROPANE, 1,2-DIBROMO-3-CHLORO- |
| Waste Code: | U067 |
| Waste Description: | ETHANE, 1,2-DIBROMO- (OR) ETHYLENE DIBROMIDE |
| Waste Code: | U068 |
| Waste Description: | METHANE, DIBROMO- (OR) METHYLENE BROMIDE |
| Waste Code: | U069 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE |
| Waste Code: | U070 |
| Waste Description: | BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE |
| Waste Code: | U071 |
| Waste Description: | BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE |
| Waste Code: | U072 |
| Waste Description: | BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE |
| Waste Code: | U073 |
| Waste Description: | [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DICHLORO- (OR) 3,3'-DICHLOROBENZIDINE |
| Waste Code: | U074 |
| Waste Description: | 1,4-DICHLORO-2-BUTENE (I,T) (OR) 2-BUTENE, 1,4-DICHLORO- (I,T) |
| Waste Code: | U075 |
| Waste Description: | DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO- |
| Waste Code: | U076 |
| Waste Description: | ETHANE, 1,1-DICHLORO- (OR) ETHYLIDENE DICHLORIDE |
| Waste Code: | U077 |
| Waste Description: | ETHANE, 1,2-DICHLORO- (OR) ETHYLENE DICHLORIDE |
| Waste Code: | U078 |
| Waste Description: | 1,1-DICHLOROETHYLENE (OR) ETHENE, 1,1-DICHLORO- |
| Waste Code: | U079 |
| Waste Description: | 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-,(E)- |
| Waste Code: | U080 |
| Waste Description: | METHANE, DICHLORO- (OR) METHYLENE CHLORIDE |
| Waste Code: | U081 |
| Waste Description: | 2,4-DICHLOROPHENOL (OR) PHENOL, 2,4-DICHLORO- |
| Waste Code: | U082 |
| Waste Description: | 2,6-DICHLOROPHENOL (OR) PHENOL, 2,6-DICHLORO- |
| Waste Code: | U083 |
| Waste Description: | PROPANE, 1,2-DICHLORO- (OR) PROPYLENE DICHLORIDE |
| Waste Code: | U084 |
| Waste Description: | 1,3-DICHLOROPROPENE (OR) 1-PROPENE, 1,3-DICHLORO- |

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| Waste Code: | U085 |
| Waste Description: | 1,2:3,4-DIEPOXYBUTANE (I,T) (OR) 2,2'-BIOXIRANE |
| Waste Code: | U086 |
| Waste Description: | HYDRAZINE, 1,2-DIETHYL- (OR) N,N'-DIETHYLHYDRAZINE |
| Waste Code: | U087 |
| Waste Description: | O,O-DIETHYL S-METHYL DITHIOPHOSPHATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-METHYL ESTER |
| Waste Code: | U088 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER (OR) DIETHYL PHTHALATE |
| Waste Code: | U089 |
| Waste Description: | DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)- |
| Waste Code: | U090 |
| Waste Description: | 1,3-BENZODIOXOLE, 5-PROPYL- (OR) DIHYDROSAFROLE |
| Waste Code: | U091 |
| Waste Description: | [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHOXY- (OR) 3,3'-DIMETHOXYBENZIDINE |
| Waste Code: | U092 |
| Waste Description: | DIMETHYLAMINE (I) (OR) METHANAMINE, N-METHYL- (I) |
| Waste Code: | U093 |
| Waste Description: | BENZENAMINE, N,N-DIMETHYL-4-(PHENYLAZO)- (OR) P-DIMETHYLAMINOAZOBENZENE |
| Waste Code: | U094 |
| Waste Description: | 7,12-DIMETHYLBENZ[A]ANTHRACENE (OR) BENZ[A]ANTHRACENE, 7,12-DIMETHYL- |
| Waste Code: | U095 |
| Waste Description: | [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHYL- (OR) 3,3'-DIMETHYLBENZIDINE |
| Waste Code: | U096 |
| Waste Description: | ALPHA,ALPHA-DIMETHYLBENZYLHYDROPEROXIDE (R) (OR) HYDROPEROXIDE, 1-METHYL-1-PHENYLETHYL- (R) |
| Waste Code: | U097 |
| Waste Description: | CARBAMIC CHLORIDE, DIMETHYL- (OR) DIMETHYLCARBAMOYL CHLORIDE |
| Waste Code: | U098 |
| Waste Description: | 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL- |
| Waste Code: | U099 |
| Waste Description: | 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL- |
| Waste Code: | U101 |
| Waste Description: | 2,4-DIMETHYLPHENOL (OR) PHENOL, 2,4-DIMETHYL- |
| Waste Code: | U102 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, DIMETHYL ESTER (OR) DIMETHYL PHTHALATE |

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| Waste Code: | U103 |
| Waste Description: | DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER |
| Waste Code: | U105 |
| Waste Description: | 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO- |
| Waste Code: | U106 |
| Waste Description: | 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO- |
| Waste Code: | U107 |
| Waste Description: | 1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER (OR) DI-N-OCTYL PHTHALATE |
| Waste Code: | U108 |
| Waste Description: | 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE |
| Waste Code: | U109 |
| Waste Description: | 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL- |
| Waste Code: | U110 |
| Waste Description: | 1-PROPANIMINE, N-PROPYL-(I) (OR) DIPROPYLAMINE (I) |
| Waste Code: | U111 |
| Waste Description: | 1-PROPANAMINE, N-NITROSO-N-PROPYL- (OR) DI-N-PROPYLNITROSAMINE |
| Waste Code: | U112 |
| Waste Description: | ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I) |
| Waste Code: | U113 |
| Waste Description: | 2-PROPENOIC ACID, ETHYL ESTER (I) (OR) ETHYL ACRYLATE (I) |
| Waste Code: | U114 |
| Waste Description: | CARBAMODITHIOIC ACID, 1,2-ETHANEDIYLBIS-, SALTS & ESTERS (OR) ETHYLENEBISDITHIOCARBAMIC ACID, SALTS & ESTERS |
| Waste Code: | U115 |
| Waste Description: | ETHYLENE OXIDE (I,T) (OR) OXIRANE (I,T) |
| Waste Code: | U116 |
| Waste Description: | 2-IMIDAZOLIDINETHIONE (OR) ETHYLENETHIOUREA |
| Waste Code: | U117 |
| Waste Description: | ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I) |
| Waste Code: | U118 |
| Waste Description: | 2-PROPENOIC ACID, 2-METHYL-, ETHYL ESTER (OR) ETHYL METHACRYLATE |
| Waste Code: | U119 |
| Waste Description: | ETHYL METHANESULFONATE (OR) METHANESULFONIC ACID, ETHYL ESTER |
| Waste Code: | U120 |
| Waste Description: | FLUORANTHENE |
| Waste Code: | U121 |
| Waste Description: | METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFUOROMETHANE |
| Waste Code: | U122 |
| Waste Description: | FORMALDEHYDE |

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| Waste Code: | U123 |
| Waste Description: | FORMIC ACID (C,T) |
| Waste Code: | U124 |
| Waste Description: | FURAN (I) (OR) FURFURAN (I) |
| Waste Code: | U125 |
| Waste Description: | 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I) |
| Waste Code: | U126 |
| Waste Description: | GLYCIDYLALDEHYDE (OR) OXIRANECARBOXYALDEHYDE |
| Waste Code: | U127 |
| Waste Description: | BENZENE, HEXACHLORO- (OR) HEXACHLOROBENZENE |
| Waste Code: | U128 |
| Waste Description: | 1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO- (OR) HEXACHLOROBUTADIENE |
| Waste Code: | U129 |
| Waste Description: | CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE |
| Waste Code: | U130 |
| Waste Description: | 1,3-CYCLOPENTADIENE, 1,2,3,4,5,5-HEXACHLORO- (OR) HEXACHLOROCYCLOPENTADIENE |
| Waste Code: | U131 |
| Waste Description: | ETHANE, HEXACHLORO- (OR) HEXACHLOROETHANE |
| Waste Code: | U132 |
| Waste Description: | HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO- |
| Waste Code: | U133 |
| Waste Description: | HYDRAZINE (R,T) |
| Waste Code: | U134 |
| Waste Description: | HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T) |
| Waste Code: | U135 |
| Waste Description: | HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S |
| Waste Code: | U136 |
| Waste Description: | ARSINIC ACID, DIMETHYL- (OR) CACODYLIC ACID |
| Waste Code: | U137 |
| Waste Description: | INDENO[1,2,3-CD]PYRENE |
| Waste Code: | U138 |
| Waste Description: | METHANE, IODO- (OR) METHYL IODIDE |
| Waste Code: | U140 |
| Waste Description: | 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T) |
| Waste Code: | U141 |
| Waste Description: | 1,3-BENZODIOXOLE, 5-(1-PROPENYL)- (OR) ISOSAFROLE |
| Waste Code: | U142 |

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| Waste Description: | 1,3,4-METHENO-2H-CYCLOBUTA[CD]PENTALEN-2-ONE, 1,1A,3,3A,4,5,5A,5B,6-DECACHLOROOCCTAHYDRO- (OR) KEPONE |
| Waste Code: | U143 |
| Waste Description: | 2-BUTENOIC ACID, 2-METHYL-, 7-[[2,3-DIHYDROXY-2-(1-METHOXYETHYL)-3-METHYL-1-OXOBUTOXY]METHYL]-2,3, 5,7A-TETRAHYDRO-1H-PYRROLIZIN-1-YL ESTER, [1S-[1ALPHA(Z), 7(2S*,3R*), 7AALPHA)]- (OR) LASIOCARPINE |
| Waste Code: | U144 |
| Waste Description: | ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE |
| Waste Code: | U145 |
| Waste Description: | LEAD PHOSPHATE (OR) PHOSPHORIC ACID, LEAD(2+) SALT (2:3) |
| Waste Code: | U146 |
| Waste Description: | LEAD SUBACETATE (OR) LEAD, BIS(ACETATO-O)TETRAHYDROXYTRI- |
| Waste Code: | U147 |
| Waste Description: | 2,5-FURANDIONE (OR) MALEIC ANHYDRIDE |
| Waste Code: | U148 |
| Waste Description: | 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO- (OR) MALEIC HYDRAZIDE |
| Waste Code: | U149 |
| Waste Description: | MALONONITRILE (OR) PROPANEDINITRILE |
| Waste Code: | U150 |
| Waste Description: | L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN |
| Waste Code: | U151 |
| Waste Description: | MERCURY |
| Waste Code: | U152 |
| Waste Description: | 2-PROPENITRILE, 2-METHYL- (I,T) (OR) METHACRYLONITRILE (I,T) |
| Waste Code: | U153 |
| Waste Description: | METHANETHIOL (I,T) (OR) THIOMETHANOL (I,T) |
| Waste Code: | U154 |
| Waste Description: | METHANOL (I) (OR) METHYL ALCOHOL (I) |
| Waste Code: | U155 |
| Waste Description: | 1,2-ETHANEDIAMINE, N,N-DIMETHYL-N'-2-PYRIDINYL-N'-(2-THIENYLMETHYL)- (OR) METHAPYRILENE |
| Waste Code: | U156 |
| Waste Description: | CARBOCHLORIDIC ACID, METHYL ESTER, (I,T) (OR) METHYL CHLOROCARBONATE (I,T) |
| Waste Code: | U157 |
| Waste Description: | 3-METHYLCHOLANTHRENE (OR) BENZ[J]ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL- |
| Waste Code: | U158 |
| Waste Description: | 4,4'-METHYLENEBIS(2-CHLOROANILINE) (OR) BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO- |

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| Waste Code: | U159 |
| Waste Description: | 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T) |
| Waste Code: | U160 |
| Waste Description: | 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T) |
| Waste Code: | U161 |
| Waste Description: | 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL- |
| Waste Code: | U162 |
| Waste Description: | 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T) |
| Waste Code: | U163 |
| Waste Description: | GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG |
| Waste Code: | U164 |
| Waste Description: | 4(1H)-PYRIMIDINONE, 2,3-DIHYDRO-6-METHYL-2-THIOXO- (OR) METHYLTHIOURACIL |
| Waste Code: | U165 |
| Waste Description: | NAPHTHALENE |
| Waste Code: | U166 |
| Waste Description: | 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE |
| Waste Code: | U167 |
| Waste Description: | 1-NAPHTHALENAMINE (OR) ALPHA-NAPHTHYLAMINE |
| Waste Code: | U168 |
| Waste Description: | 2-NAPHTHALENAMINE (OR) BETA-NAPHTHYLAMINE |
| Waste Code: | U169 |
| Waste Description: | BENZENE, NITRO- (OR) NITROBENZENE (I,T) |
| Waste Code: | U170 |
| Waste Description: | P-NITROPHENOL (I,T) (OR) PHENOL, 4-NITRO- |
| Waste Code: | U171 |
| Waste Description: | 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T) |
| Waste Code: | U172 |
| Waste Description: | 1-BUTANAMINE, N-BUTYL-N-NITROSO- (OR) N-NITROSODI-N-BUTYLAMINE |
| Waste Code: | U173 |
| Waste Description: | ETHANOL, 2,2'-(NITROSOIMINO)BIS- (OR) N-NITROSODIETHANOLAMINE |
| Waste Code: | U174 |
| Waste Description: | ETHANAMINE, N-ETHYL-N-NITROSO- (OR) N-NITROSODIETHYLAMINE |
| Waste Code: | U176 |
| Waste Description: | N-NITROSO-N-ETHYLUREA (OR) UREA, N-ETHYL-N-NITROSO- |
| Waste Code: | U177 |
| Waste Description: | N-NITROSO-N-METHYLUREA (OR) UREA, N-METHYL-N-NITROSO- |

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| Waste Code: | U178 |
| Waste Description: | CARBAMIC ACID, METHYLNITROSO-, ETHYL ESTER (OR) N-NITROSO-N-METHYLURETHANE |
| Waste Code: | U179 |
| Waste Description: | N-NITROSOPIPERIDINE (OR) PIPERIDINE, 1-NITROSO- |
| Waste Code: | U180 |
| Waste Description: | N-NITROSOPYRROLIDINE (OR) PYRROLIDINE, 1-NITROSO- |
| Waste Code: | U181 |
| Waste Description: | 5-NITRO-O-TOLUIDINE (OR) BENZENAMINE, 2-METHYL-5-NITRO |
| Waste Code: | U182 |
| Waste Description: | 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE |
| Waste Code: | U183 |
| Waste Description: | BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE |
| Waste Code: | U184 |
| Waste Description: | ETHANE, PENTACHLORO- (OR) PENTACHLOROETHANE |
| Waste Code: | U185 |
| Waste Description: | BENZENE, PENTACHLORONITRO- (OR) PENTACHLORONITROBENZENE (PCNB) |
| Waste Code: | U186 |
| Waste Description: | 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I) |
| Waste Code: | U187 |
| Waste Description: | ACETAMIDE, N-(4-ETHOXYPHENYL)- (OR) PHENACETIN |
| Waste Code: | U188 |
| Waste Description: | PHENOL |
| Waste Code: | U189 |
| Waste Description: | PHOSPHORUS SULFIDE (R) (OR) SULFUR PHOSPHIDE (R) |
| Waste Code: | U190 |
| Waste Description: | 1,3-ISOBENZOFURANDIONE (OR) PHTHALIC ANHYDRIDE |
| Waste Code: | U191 |
| Waste Description: | 2-PICOLINE (OR) PYRIDINE, 2-METHYL- |
| Waste Code: | U192 |
| Waste Description: | BENZAMIDE, 3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL)- (OR) PRONAMIDE |
| Waste Code: | U193 |
| Waste Description: | 1,2-OXATHIOLANE, 2,2-DIOXIDE (OR) 1,3-PROPANE SULTONE |
| Waste Code: | U194 |
| Waste Description: | 1-PROPANAMINE (I,T) (OR) N-PROPYLAMINE (I,T) |
| Waste Code: | U196 |
| Waste Description: | PYRIDINE |
| Waste Code: | U197 |
| Waste Description: | 2,5-CYCLOHEXADIENE-1,4-DIONE (OR) P-BENZOQUINONE |

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| Waste Code: | U200 |
| Waste Description: | RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)- |
| Waste Code: | U201 |
| Waste Description: | 1,3-BENZENEDIOL (OR) RESORCINOL |
| Waste Code: | U202 |
| Waste Description: | 1,2-BENZISOTHIAZOL-3(2H)-ONE, 1,1-DIOXIDE, & SALTS (OR) SACCHARIN, & SALTS |
| Waste Code: | U203 |
| Waste Description: | 1,3-BENZODIOXOLE, 5-(2-PROPENYL)- (OR) SAFROLE |
| Waste Code: | U204 |
| Waste Description: | SELENIUS ACID (OR) SELENIUM DIOXIDE |
| Waste Code: | U205 |
| Waste Description: | SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T) |
| Waste Code: | U206 |
| Waste Description: | D-GLUCOSE, 2-DEOXY-2-[[[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR) GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR) STREPTOZOTOCIN |
| Waste Code: | U207 |
| Waste Description: | 1,2,4,5-TETRACHLOROBENZENE (OR) BENZENE, 1,2,4,5-TETRACHLORO- |
| Waste Code: | U208 |
| Waste Description: | 1,1,1,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,1,2-TETRACHLORO- |
| Waste Code: | U209 |
| Waste Description: | 1,1,2,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,2,2-TETRACHLORO- |
| Waste Code: | U210 |
| Waste Description: | ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE |
| Waste Code: | U211 |
| Waste Description: | CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO- |
| Waste Code: | U213 |
| Waste Description: | FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I) |
| Waste Code: | U214 |
| Waste Description: | ACETIC ACID, THALLIUM(1+) SALT (OR) THALLIUM(I) ACETATE |
| Waste Code: | U215 |
| Waste Description: | CARBONIC ACID, DITHALLIUM(1+) SALT (OR) THALLIUM(I) CARBONATE |
| Waste Code: | U216 |
| Waste Description: | THALLIUM CHLORIDE TLCL (OR) THALLIUM(I) CHLORIDE |
| Waste Code: | U217 |
| Waste Description: | NITRIC ACID, THALLIUM(1+) SALT (OR) THALLIUM(I) NITRATE |
| Waste Code: | U218 |

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| Waste Description: | ETHANETHIOAMIDE (OR) THIOACETAMIDE |
| Waste Code: | U219 |
| Waste Description: | THIOUREA |
| Waste Code: | U220 |
| Waste Description: | BENZENE, METHYL- (OR) TOLUENE |
| Waste Code: | U221 |
| Waste Description: | BENZENEDIAMINE, AR-METHYL- (OR) TOLUENEDIAMINE |
| Waste Code: | U222 |
| Waste Description: | BENZENAMINE, 2-METHYL-, HYDROCHLORIDE (OR) O-TOLUIDINE HYDROCHLORIDE |
| Waste Code: | U223 |
| Waste Description: | BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T) |
| Waste Code: | U225 |
| Waste Description: | BROMOFORM (OR) METHANE, TRIBROMO- |
| Waste Code: | U226 |
| Waste Description: | ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM |
| Waste Code: | U227 |
| Waste Description: | 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO- |
| Waste Code: | U228 |
| Waste Description: | ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE |
| Waste Code: | U234 |
| Waste Description: | 1,3,5-TRINITROBENZENE (R,T) (OR) BENZENE, 1,3,5-TRINITRO- |
| Waste Code: | U235 |
| Waste Description: | 1-PROPANOL, 2,3-DIBROMO-, PHOSPHATE (3:1) (OR) TRIS(2,3,-DIBROMOPROPYL) PHOSPHATE |
| Waste Code: | U236 |
| Waste Description: | 2,7-NAPHTHALENEDISULFONIC ACID,3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO -4-HYDROXY]-, TETRASODIUM SALT (OR) TRYSPAN BLUE |
| Waste Code: | U237 |
| Waste Description: | 2,4-(1H,3H)-PYRIMIDINEDIONE, 5-[BIS(2-CHLOROETHYL)AMINO]- (OR) URACIL MUSTARD |
| Waste Code: | U238 |
| Waste Description: | CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE) |
| Waste Code: | U239 |
| Waste Description: | BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I) |
| Waste Code: | U240 |
| Waste Description: | 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D |
| Waste Code: | U243 |
| Waste Description: | 1-PROPENE, 1,1,2,3,3,3-HEXACHLORO- (OR) HEXACHLOROPROPENE |

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| Waste Code: | U244 |
| Waste Description: | THIOPEROXYDICARBONIC DIAMIDE [(H2N)C(S)]2S2, TETRAMETHYL- (OR) THIRAM |
| Waste Code: | U246 |
| Waste Description: | CYANOGEN BROMIDE (CN)BR |
| Waste Code: | U247 |
| Waste Description: | BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-METHOXY- (OR) METHOXYCHLOR |
| Waste Code: | U248 |
| Waste Description: | 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYL-BUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS |
| Waste Code: | U249 |
| Waste Description: | ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS |
| Waste Code: | U271 |
| Waste Description: | BENOMYL (OR) CARBAMIC ACID, [1-[(BUTYLAMINO)CARBONYL]-1H-BENZIMIDAZOL-2-YL]-, METHYL ESTER |
| Waste Code: | U277 |
| Waste Description: | SULLFALLATE (OR) CARBAMODITHIOIC ACID, DIETHYL-, 2-CHLORO-2-PROPENYL ESTER |
| Waste Code: | U278 |
| Waste Description: | BENDIOCARB (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL-, METHYL CARBAMATE |
| Waste Code: | U279 |
| Waste Description: | U279 |
| Waste Code: | U280 |
| Waste Description: | BARBAN (OR) CARBAMIC ACID, (3-CHLOROPHENYL)-, 4-CHLORO-2-BUTYNYL ESTER |
| Waste Code: | U328 |
| Waste Description: | BENZENAMINE, 2-METHYL- (OR) O-TOLUIDINE |
| Waste Code: | U353 |
| Waste Description: | BENZENAMINE, 4-METHYL- (OR) P-TOLUIDINE |
| Waste Code: | U359 |
| Waste Description: | ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER |
| Waste Code: | U364 |
| Waste Description: | BENDIOCARB PHENOL (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL- |
| Waste Code: | U365 |
| Waste Description: | H-AZEPINE-1-CARBOTHIOIC ACID, HEXAHYDRO-, S-ETHYL ESTER (OR) MOLINATE |
| Waste Code: | U366 |
| Waste Description: | DAZOMET (OR) 2H-1,3,5-THIADIAZINE- 2-THIONE, TETRAHYDRO-3,5-DIMETHYL- |
| Waste Code: | U367 |
| Waste Description: | 7-BENZOFURANOL, 2,3-DIHYDRO-2,2-DIMETHYL- (OR) CARBOFURAN PHENOL |
| Waste Code: | U372 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Waste Description: CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (OR) CARBENDAZIM
Waste Code: U373
Waste Description: CARBAMIC ACID, PHENYL-, 1-METHYLETHYL ESTER (OR) PROPHAM
Waste Code: U375
Waste Description: CARBAMIC ACID, BUTYL-, 3-IODO-2-PROPYNYL ESTER (OR) 3-IODO-2-PROPYNYL N-BUTYLCARBAMATE
Waste Code: U376
Waste Description: CARBAMODITHIOIC ACID, DIMETHYL-, TETRAANHYDROSULFIDE WITH ORTHOTHIOSETENIOUS ACID (OR) SELENIUM, TETRAKIS (DIMETHYLDITHIOCARBAMATE)
Waste Code: U377
Waste Description: CARBAMODITHIOIC ACID, METHYL-, MONOPOTASSIUM SALT (OR) POTASSIUM N-METHYLDITHIOCARBAMATE
Waste Code: U378
Waste Description: CARBAMODITHIOIC ACID, (HYDROXYMETHYL) METHYL-, MONOPOTASSIUM SALT (OR) POTASSIUM N-HYDROXYMETHYL- N-METHYLDI-THIOCARBAMATE
Waste Code: U379
Waste Description: SODIUM DIBUTYLDITHIOCARBAMATE (OR) CARBAMODITHIOIC ACID, DIBUTYL, SODIUM SALT
Waste Code: U381
Waste Description: CARBAMODITHIOIC ACID, DIETHYL-, SODIUM SALT (OR) SODIUM DIETHYLDITHIOCARBAMATE
Waste Code: U382
Waste Description: CARBAMODITHIOIC ACID, DIMETHYL-, SODIUM SALT (OR) SODIUM DIMETHYLDITHIOCARBAMATE
Waste Code: U383
Waste Description: CARBAMODITHIOIC ACID, DIMETHYL, POTASSIUM SALT (OR) POTASSIUM DIMETHYLDITHIOCARBAMATE
Waste Code: U384
Waste Description: CARBAMODITHIOIC ACID, METHYL-, MONOSODIUM SALT (OR) METAM SODIUM
Waste Code: U385
Waste Description: CARBAMODITHIOIC ACID, DIPROPYL-, S-PROPYL ESTER
Waste Code: U386
Waste Description: CARBAMODITHIOIC ACID, CYCLOHEXYLETHYL-, S-ETHYL ESTER (OR) CYCLOATE
Waste Code: U387
Waste Description: CARBAMODITHIOIC ACID, DIPROPYL-, S-(PHENYLMETHYL) ESTER (OR) PROSULFOCARB
Waste Code: U389
Waste Description: CARBAMODITHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3,3-TRICHLORO-2-PROPENYL) ESTER (OR) TRIALLATE
Waste Code: U390
Waste Description: CARBAMODITHIOIC ACID, DIPROPYL-, S-ETHYL ESTER (OR) EPTC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Waste Code: U391
Waste Description: CARBAMOTHIOIC ACID, BUTYLETHYL-, S-PROPYL ESTER (OR) PEBULATE

Waste Code: U392
Waste Description: BUTYLATE (OR) CARBAMOTHIOIC ACID, BIS(2-METHYLPROPYL)-, S-ETHYL ESTER

Waste Code: U393
Waste Description: COPPER, BIS(DIMETHYLCARBAMODITHIOATO-S,S')- (OR) COPPER DIMETHYLDITHIOCARBAMATE

Waste Code: U394
Waste Description: A2213 (OR) ETHANIMIDOTHIOIC ACID, 2-(DIMETHYLAMINO)-N-HYDROXY-2-OXO-, METHYL ESTER

Waste Code: U395
Waste Description: DIETHYLENE GLYCOL, DICARBAMATE (OR) ETHANOL, 2,2'-OXYBIS-, DICARBAMATE

Waste Code: U396
Waste Description: FERBAM (OR) IRON, TRIS(DIMETHYLCARBAMODITHIOATO-S,S')-,

Waste Code: U400
Waste Description: BIS(PENTAMETHYLENE)THIURAM TETRASULFIDE (OR) PIPERIDINE, 1,1'-(TETRATHIODICARBONOTHIOYL)-BIS-

Waste Code: U401
Waste Description: BIS(DIMETHYLTHIOCARBAMOYL) SULFIDE (OR) TETRAMETHYLTHIURAM MONOSULFIDE

Waste Code: U402
Waste Description: TETRABUTYLTHIURAM DISULFIDE (OR) THIOPEROXYDICARBONIC DIAMIDE, TETRABUTYL

Waste Code: U403
Waste Description: DISULFIRAM (OR) THIOPEROXYDICARBONIC DIAMIDE, TETRAETHYL

Waste Code: U404
Waste Description: U404

Waste Code: U407
Waste Description: ETHYL ZIRAM

Waste Code: U409
Waste Description: CARBAMIC ACID, [1,2-PHENYLENEBIS (IMINOCARBONOTHIOYL)]BIS-, DIMETHYL ESTER (OR) THIOPHANATE-METHYL

Waste Code: U410
Waste Description: ETHANIMIDOTHIOIC ACID, N,N'-(THIOBIS[(METHYLIMINO)CARBONYLOXY]]BIS-, DIMETHYL ESTER (OR) THIODICARB

Waste Code: U411
Waste Description: U411

Handler - Owner Operator:
Owner/Operator Indicator:
Owner/Operator Name:
Legal Status:
Date Became Current:
Date Ended Current:

Owner
BOARD OF CURATORS UNIV OF MO S & T
State
19800119
Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: 573-882-2388
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MISSOURI S & T
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS UM
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: UNIVERSITY OF MISSOURI-ROLLA
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: NA NA
Owner/Operator City,State,Zip: ROLLA, MO 65401
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: UNIVERSITY OF MISSOURI-ROLLA
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS FOR UM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------------------|-------------------------------------|
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS UM |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS FOR UNIVERSITY-MO |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | UNIVERSITY OF MISSOURI-ROLLA |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BOARD OF CURATORS UM |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------------------|---------------------------------------|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF MI |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MISSOURI UNIV OF SCIENCE & TECHNOLOGY |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1201 N STATE ST ROOM 108 |
| Owner/Operator City,State,Zip: | ROLLA, MO 65409 |
| Owner/Operator Telephone: | 573-341-7646 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS FOR UM |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF MI |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------------------|------------------------------------|
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | UNIVERSITY OF MISSOURI-ROLLA |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS FOR UM |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS FOR UM |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MISSOURI S&T |
| Legal Status: | State |
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: 573-882-2388
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: UNIVERSITY OF MISSOURI-ROLLA
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOARD OF CURATORS FOR UMR
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MISSOURI UNIVERSITY OF SCIENCE & TECH
Legal Status: State
Date Became Current: 19800119
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: UNIVERSITY OF MISSOURI - ROLLA
Legal Status: State
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 215 ALTMAN HALL
Owner/Operator City,State,Zip: ROLLA, MO 65401
Owner/Operator Telephone: 573-431-4480
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MISSOURI UNIVERSITY OF SCIENCE AND TECH
Legal Status: State

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|--------------------------------|------------------------------------|
| Date Became Current: | 19800119 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BOARD OF CURATORS UNIVERSITY OF UM |
| Legal Status: | State |
| Date Became Current: | 19990309 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 UNIVERSITY HALL |
| Owner/Operator City,State,Zip: | COLUMBIA, MO 65211 |
| Owner/Operator Telephone: | 573-882-2388 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Owner/Operator Indicator: Owner
Owner/Operator Name: CURATORS OF THE UNIVERSITY OF MISSOURI
Legal Status: State
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 316 UNIVERSITY HALL
Owner/Operator City,State,Zip: COLUMBIA, MO 65211
Owner/Operator Telephone: 573-882-2388
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19801114
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20100301
Handler Name: DANGEROUS MATERIALS STORAGE BUILDING
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120312
Handler Name: DANGEROUS MATERIALS STORAGE BUILDING
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140212
Handler Name: DANGEROUS MATERIALS STORAGE BUILDING
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160126
Handler Name: DANGEROUS MATERIALS STORAGE BUILDING
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20180206
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Yes
Electronic Manifest Broker: No

Receive Date: 20200213
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Yes
Electronic Manifest Broker: No

Receive Date: 20220215
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

Map ID
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MAP FINDINGS

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EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Non Storage Recycler Activity: Yes
Electronic Manifest Broker: Yes

Receive Date: 19970610
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020916
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19930803
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040602
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20061026
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990308
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080107
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY MISSOURI S&T
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160926
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920228
Handler Name: UNIVERSITY OF MISSOURI - ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940404
Handler Name: UMR DANGEROUS MATERIALS STORAGE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960215
Handler Name: UNIVERSITY OF MISSOURI ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980309
Handler Name: UNIVERSITY OF MISSOURI - ROLLA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Receive Date: 20020214
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040225
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060203
Handler Name: DANGEROUS MATERIALS STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080211
Handler Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY MISSOURI S&T
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 61131
NAICS Description: COLLEGES, UNIVERSITIES, AND PROFESSIONAL SCHOOLS

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Facility Has Received Notices of Violation:

| | |
|---|-------------------------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19930429 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 3 |
| SEP Expenditure Amount: | 80000 |
| SEP Scheduled Completion Date: | 20030601 |
| SEP Actual Date: | 20020103 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EAA |
| SEP Type Description: | Environmental Audits and Assessment |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |
| Final Amount: | 176119 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19921007 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19921007 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Transporters - Manifest and Recordkeeping
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20010223
Actual Return to Compliance Date: 20010223
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19900418
Actual Return to Compliance Date: 19900503
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19900430
Enforcement Identifier: 010
Date of Enforcement Action: 19900418
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19900418
Actual Return to Compliance Date: 19900503
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19900430
Enforcement Identifier: 010
Date of Enforcement Action: 19900418
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19890724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19921007
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19920724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19891222
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 6500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20030917
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19890724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19890708
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19900418
Actual Return to Compliance Date: 19900503
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19900430
Enforcement Identifier: 010
Date of Enforcement Action: 19900418
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19940804
Actual Return to Compliance Date: 19950711
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19881115
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Unknown
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19910215
Actual Return to Compliance Date: 19910402
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19910322
Enforcement Identifier: 013
Date of Enforcement Action: 19910322
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|-----------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19910207 |
| Actual Return to Compliance Date: | 19910215 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19910215 |
| Enforcement Identifier: | 011 |
| Date of Enforcement Action: | 19910207 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| | |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Manifest |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20020917 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19940804
Actual Return to Compliance Date: 19950711
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

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|---|---|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20020911 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Transporters - Manifest and Recordkeeping |
| Date Violation was Determined: | 19950712 |
| Actual Return to Compliance Date: | 19960827 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19921007
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19890926
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 6500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

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|---|--------------------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19921007 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19921007 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 13000 |
| Paid Amount: | 13000 |
| Final Count: | 1 |
| Final Amount: | 13000 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20020917 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19920724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19890724
Enforcement Identifier: 008
Date of Enforcement Action: 19890708
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19921007
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19880401
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19921007
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19880401
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Manifest
Date Violation was Determined: 19990223
Actual Return to Compliance Date: 19990308
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19990909
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20030806
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20010223
Actual Return to Compliance Date: 20010223
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19920724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19890724
Enforcement Identifier: 008
Date of Enforcement Action: 19890708
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19880416
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19880416
Enforcement Identifier: 002
Date of Enforcement Action: 19880401
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19890724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19890724
Enforcement Identifier: 008
Date of Enforcement Action: 19890708
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MAP FINDINGS

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19910207
Actual Return to Compliance Date: 19910215
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19910215
Enforcement Identifier: 011
Date of Enforcement Action: 19910207
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Universal Waste - Small Quantity Handlers
Date Violation was Determined: 20080430
Actual Return to Compliance Date: 20080513
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20080430
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: 20080630
Disposition Status: AS
Disposition Status Description: ACTION SATISFIED (CASE CLOSED)

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7JWB
Enforcement Responsible Sub-Organization: ENSV
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--------------------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19940804 |
| Actual Return to Compliance Date: | 19950711 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 176119 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| | |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 20061102 |
| Actual Return to Compliance Date: | 20061110 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20061102 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | 20061215 |
| Disposition Status: | AS |
| Disposition Status Description: | ACTION SATISFIED (CASE CLOSED) |

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7JWB
Enforcement Responsible Sub-Organization: ENSV
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19930429
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19880928
Actual Return to Compliance Date: 19891026
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19921007
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Unknown
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|----------------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19880928 |
| Actual Return to Compliance Date: | 19891026 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 19890926 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 6500 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19930429 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19880928
Actual Return to Compliance Date: 19881013
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19881013
Enforcement Identifier: 005
Date of Enforcement Action: 19880928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19920724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19921007
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Transporters - Manifest and Recordkeeping
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20030917
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19940804
Actual Return to Compliance Date: 19950711
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20020917
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|---|
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 20010223 |
| Actual Return to Compliance Date: | 20010223 |
| Return to Compliance Qualifier: | Unverifiable |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Transporters - Manifest and Recordkeeping |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19880928
Actual Return to Compliance Date: 19881013
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19881013
Enforcement Identifier: 005
Date of Enforcement Action: 19880928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--------------------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20020917 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| | |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 20080430 |
| Actual Return to Compliance Date: | 20080513 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20080430 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | 20080630 |
| Disposition Status: | AS |
| Disposition Status Description: | ACTION SATISFIED (CASE CLOSED) |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7JWB
Enforcement Responsible Sub-Organization: ENSV
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Used Oil - Generators
Date Violation was Determined: 20080430
Actual Return to Compliance Date: 20080513
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20080430
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: 20080630
Disposition Status: AS
Disposition Status Description: ACTION SATISFIED (CASE CLOSED)

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7JWB
Enforcement Responsible Sub-Organization: ENSV
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19880928
Actual Return to Compliance Date: 19891026
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 19880928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19900418
Actual Return to Compliance Date: 19900503
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19900430
Enforcement Identifier: 010
Date of Enforcement Action: 19900418
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Transporters - Manifest and Recordkeeping
Date Violation was Determined: 19950712
Actual Return to Compliance Date: 19960827
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19960927
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19880928
Actual Return to Compliance Date: 19881013
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19881013
Enforcement Identifier: 005
Date of Enforcement Action: 19880928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Permits - Application
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20021015
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Map ID
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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19940804
Actual Return to Compliance Date: 19950711
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19960927
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19881115
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19921007
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Unknown
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|---------------|
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19890708 |
| Actual Return to Compliance Date: | 19921007 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 008 |
| Date of Enforcement Action: | 19890708 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19940804
Actual Return to Compliance Date: 19950711
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 19930429
Actual Return to Compliance Date: 19930508
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19921007
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19921007
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19960927
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Transporters - Manifest and Recordkeeping
Date Violation was Determined: 19950712
Actual Return to Compliance Date: 19960827
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19871029
Actual Return to Compliance Date: 19981113
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19930429
Actual Return to Compliance Date: 19930509
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|----------------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19940804 |
| Actual Return to Compliance Date: | 19950711 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19960927 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96- |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | R7RBM |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | 176119 |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 19990223 |
| Actual Return to Compliance Date: | 19990308 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19990909 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19960927
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19940804
Actual Return to Compliance Date: 19940822
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19940822
Enforcement Identifier: 000
Date of Enforcement Action: 19940804
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: R7
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Manifest
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20020917
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MAP FINDINGS

Site

Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|---|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Permits - Application |
| Date Violation was Determined: | 20020911 |
| Actual Return to Compliance Date: | 20021015 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 20020925 |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20020910 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | R7KDS |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| | |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Transporters - Manifest and Recordkeeping |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19940804
Actual Return to Compliance Date: 19950711
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Permits - Application
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20030917
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19910215
Actual Return to Compliance Date: 19910402
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19910322
Enforcement Identifier: 013
Date of Enforcement Action: 19910322
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19920724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19890708
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

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|---|-------------------------------------|
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19930429 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | FINAL 3008(A) COMPLIANCE ORDER |
| Enforcement Responsible Person: | R7EGB |
| Enforcement Responsible Sub-Organization: | RESP |
| SEP Sequence Number: | 1 |
| SEP Expenditure Amount: | 358706 |
| SEP Scheduled Completion Date: | 19990630 |
| SEP Actual Date: | 19990520 |
| SEP Defaulted Date: | Not reported |
| SEP Type: | EPP |
| SEP Type Description: | Emergency Planning and Preparedness |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | 20000 |
| Paid Amount: | 20000 |
| Final Count: | 1 |
| Final Amount: | 176119 |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | TSD - Closure/Post-Closure |
| Date Violation was Determined: | 19920522 |
| Actual Return to Compliance Date: | 19971231 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19981113 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | VII-96-H-0010 |
| Enforcement Attorney: | R7KEJ |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 3
SEP Expenditure Amount: 80000
SEP Scheduled Completion Date: 20030601
SEP Actual Date: 20020103
SEP Defaulted Date: Not reported
SEP Type: EAA
SEP Type Description: Environmental Audits and Assessment
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19880928
Actual Return to Compliance Date: 19881013
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19881013
Enforcement Identifier: 005
Date of Enforcement Action: 19880928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19890724
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19891222
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 6500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|---------------|
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | EPA |
| Violation Short Description: | LDR - General |
| Date Violation was Determined: | 19940804 |
| Actual Return to Compliance Date: | 19940822 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | EPA |
| Scheduled Compliance Date: | 19940822 |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19940804 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19871029
Actual Return to Compliance Date: 19981113
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Permits - Application
Date Violation was Determined: 20020911
Actual Return to Compliance Date: 20020917
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20020925
Enforcement Identifier: 001
Date of Enforcement Action: 20020910
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R7KDS
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19921007
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19890926
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 6500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19890708
Actual Return to Compliance Date: 19921007
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19891222
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 6500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|---------------|
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | TSD - General |
| Date Violation was Determined: | 19870910 |
| Actual Return to Compliance Date: | 19881115 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19921007 |
| Enforcement Responsible Agency: | EPA |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | R7 |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 13000
Paid Amount: 13000
Final Count: 1
Final Amount: 13000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 1
SEP Expenditure Amount: 358706
SEP Scheduled Completion Date: 19990630
SEP Actual Date: 19990520
SEP Defaulted Date: Not reported
SEP Type: EPP
SEP Type Description: Emergency Planning and Preparedness
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MAP FINDINGS

Site

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EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

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|---|----------------------|
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19991221 |
| Actual Return to Compliance Date: | 20000531 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20000224 |
| Enforcement Responsible Agency: | State |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

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Database(s)

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: ENF
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19870910
Actual Return to Compliance Date: 19880416
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19880416
Enforcement Identifier: 002
Date of Enforcement Action: 19880401
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Transporters - Manifest and Recordkeeping
Date Violation was Determined: 19950712
Actual Return to Compliance Date: 19960827
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19960927
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Map ID
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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R7RBM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 176119
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 19920522
Actual Return to Compliance Date: 19971231
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19981113
Enforcement Responsible Agency: EPA
Enforcement Docket Number: VII-96-H-0010
Enforcement Attorney: R7KEJ
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R7EGB
Enforcement Responsible Sub-Organization: RESP
SEP Sequence Number: 2
SEP Expenditure Amount: 428000
SEP Scheduled Completion Date: 20011231
SEP Actual Date: 20001222
SEP Defaulted Date: Not reported
SEP Type: EAP
SEP Type Description: Environmental Awareness Programs
Proposed Amount: Not reported
Final Monetary Amount: 20000
Paid Amount: 20000
Final Count: 1
Final Amount: 176119

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MAP FINDINGS

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Database(s)

EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

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|---|--------------|
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |

Evaluation Action Summary:

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|---|--|
| Evaluation Date: | 19930429 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

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|---|--|
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |

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EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20010223
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOPJ
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20010223
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19900418
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19900503
Scheduled Compliance Date: 19900430
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19900418
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19900503
Scheduled Compliance Date: 19900430
Date of Request: Not reported
Date Response Received: Not reported

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

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|---|--|
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19890724 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19920724 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7KDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20030917 |
| Scheduled Compliance Date: | 20020925 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19890724 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19900418 |
| Evaluation Responsible Agency: | EPA |

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19900503
Scheduled Compliance Date: 19900430
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOJW
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881115
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19960827
Evaluation Responsible Agency: EPA
Found Violation: Undetermined
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RMV
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910215
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R7PAS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19910402

Map ID
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MAP FINDINGS

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Scheduled Compliance Date: 19910322
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910207
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7PAS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19910215
Scheduled Compliance Date: 19910215
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19960927
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: R7EGB
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Map ID
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Date: 19860812
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020911
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950712
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19960827
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920724
Scheduled Compliance Date: 19890724
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--|
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19971231 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | No |
| Evaluation Type Description: | NOT A SIGNIFICANT NON-COMPLIER |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19870910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19921007 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19990223 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7JWB |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19990308 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7KDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20030806 |
| Scheduled Compliance Date: | 20020925 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20010720 |
| Evaluation Responsible Agency: | State |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--|
| Found Violation: | No |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | MOPJ |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20010223 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | MOPJ |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20010223 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19920724 |
| Scheduled Compliance Date: | 19890724 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19870910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19880416 |
| Scheduled Compliance Date: | 19880416 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20011012 |
| Evaluation Responsible Agency: | State |
| Found Violation: | No |
| Evaluation Type Description: | FOCUSED COMPLIANCE INSPECTION |
| Evaluation Responsible Person Identifier: | MOPJ |
| Evaluation Responsible Sub-Organization: | ENF |
| Actual Return to Compliance Date: | Not reported |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19890724
Scheduled Compliance Date: 19890724
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910207
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7PAS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19910215
Scheduled Compliance Date: 19910215
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Date: 20080430
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7JWB
Evaluation Responsible Sub-Organization: ENSV
Actual Return to Compliance Date: 20080513
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20061101
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7JWB
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20061110
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19891026
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19991221
Evaluation Responsible Agency: EPA
Found Violation: Undetermined
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: R7JWB
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19850625
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19891026
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--|
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19880928 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19881013 |
| Scheduled Compliance Date: | 19881013 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7GDS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19920724 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20020910 |
| Evaluation Responsible Agency: | EPA |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20030917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20010223
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOPJ
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20010223
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881013
Scheduled Compliance Date: 19881013
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20080430
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7JWB
Evaluation Responsible Sub-Organization: ENSV
Actual Return to Compliance Date: 20080513
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20080430
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7JWB
Evaluation Responsible Sub-Organization: ENSV
Actual Return to Compliance Date: 20080513
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19891026
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19900418
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19900503
Scheduled Compliance Date: 19900430
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950712
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19960827
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR

Map ID
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MAP FINDINGS

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EDR ID Number
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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881013
Scheduled Compliance Date: 19881013
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20021015
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--|
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19870910 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | MOJW |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19881115 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19970610 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Undetermined |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RMV |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19981113 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | No |
| Evaluation Type Description: | NOT A SIGNIFICANT NON-COMPLIER |
| Evaluation Responsible Person Identifier: | R7EGB |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19930508
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950712
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19960827
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19871029
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19981113
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19930509
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Date: 19990223
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7JWB
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19990308
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19940822
Scheduled Compliance Date: 19940822
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20021015
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950711
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20030917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

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|---|--|
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19910215 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | NON-FINANCIAL RECORD REVIEW |
| Evaluation Responsible Person Identifier: | R7PAS |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19910402 |
| Scheduled Compliance Date: | 19910322 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20070418 |
| Evaluation Responsible Agency: | State |
| Found Violation: | No |
| Evaluation Type Description: | COMPLIANCE ASSISTANCE VISIT |
| Evaluation Responsible Person Identifier: | MO-MD |
| Evaluation Responsible Sub-Organization: | PER |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19890708 |
| Evaluation Responsible Agency: | EPA |

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920724
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880928
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881013
Scheduled Compliance Date: 19881013
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19890724
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19960827
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940804
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19940822
Scheduled Compliance Date: 19940822
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

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Evaluation Date: 19871029
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19981113
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7KDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20020917
Scheduled Compliance Date: 20020925
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7MGR
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890708
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7GDS
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921007
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20010919
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOSW

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870910
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: MOJW
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881115
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920522
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R7RBM
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19971231
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950712
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19991221
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: ENF
Actual Return to Compliance Date: 20000531
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported

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MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--|
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19870910 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7MGR |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19880416 |
| Scheduled Compliance Date: | 19880416 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19950712 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19960827 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19920522 |
| Evaluation Responsible Agency: | EPA |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R7RBM |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19971231 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19950711 |
| Evaluation Responsible Agency: | EPA |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

| | |
|---|--------------------------------|
| Found Violation: | No |
| Evaluation Type Description: | NOT A SIGNIFICANT NON-COMPLIER |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

1000138747

2020 COR ACTION:

EPA ID: MOD000677773
 Region: 7
 Action: Remedy Construction

PADS:

Name: HAZARDOUS MATERIALS STORAGE FACILITY
 Address: DMSF, EL BOSA NOVA LANE
 Address 2: Not reported
 City,State,Zip: ROLLA, MO 65409
 EDR ID: 1000138747
 EPAID: MOD000677773
 Region: 7
 Generator: Y
 Storer: N
 Disposer: N
 Transporter: N
 Smelter: N
 Research Facility: N
 Mailing Address: ENVIRONMENTAL HEALTH AND SAFETY, 12
 Mailing Address 2: Not reported
 Mailing City: ROLLA
 Mailing State: MO
 Mailing Zip: 65409
 Mailing Country: US
 Owner Name: UNIVERSITY OF MISSOURI-ROLLA
 Certification Date: 05/17/2001
 Contact Name: TONY L HUNT
 Contact Title: Not reported
 Contact Telephone: 573-341-4498
 Contact Text: Not reported
 Contact Email: Not reported

A2
South
1/8-1/4
0.135 mi.
714 ft.

BM-ROLLA RESEARCH CENTER
900 W 14TH ST
ROLLA, MO 65401
Site 1 of 2 in cluster A

SEMS-ARCHIVE 1003877298
MOSFN0703485

Relative:
Lower
Actual:
1144 ft.

SEMS Archive:
 Site ID: 0703485
 EPA ID: MOSFN0703485
 Name: BM-ROLLA RESEARCH CENTER
 Address: 900 W 14TH ST
 Address 2: Not reported
 City,State,Zip: ROLLA, MO 65401
 Cong District: 08
 FIPS Code: 29161
 FF: Y
 NPL: Not on the NPL
 Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 07
 Site ID: 0703485
 EPA ID: MOSFN0703485
 Site Name: BM-ROLLA RESEARCH CENTER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BM-ROLLA RESEARCH CENTER (Continued)

1003877298

NPL: N
FF: Y
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 2000-04-12 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 07
Site ID: 0703485
EPA ID: MOSFN0703485
Site Name: BM-ROLLA RESEARCH CENTER
NPL: N
FF: Y
OU: 00
Action Code: RX
Action Name: FF PA
SEQ: 1
Start Date: 1999-01-14 05:00:00
Finish Date: 1999-06-07 04:00:00
Qual: N
Current Action Lead: EPA Perf In-Hse

Region: 07
Site ID: 0703485
EPA ID: MOSFN0703485
Site Name: BM-ROLLA RESEARCH CENTER
NPL: N
FF: Y
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1998-11-23 05:00:00
Finish Date: 1998-11-23 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 07
Site ID: 0703485
EPA ID: MOSFN0703485
Site Name: BM-ROLLA RESEARCH CENTER
NPL: N
FF: Y
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1995-10-25 04:00:00
Qual: W
Current Action Lead: Fed Fac

Region: 07

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BM-ROLLA RESEARCH CENTER (Continued)

1003877298

| | |
|----------------------|--------------------------|
| Site ID: | 0703485 |
| EPA ID: | MOSFN0703485 |
| Site Name: | BM-ROLLA RESEARCH CENTER |
| NPL: | N |
| FF: | Y |
| OU: | 00 |
| Action Code: | LV |
| Action Name: | FF RV |
| SEQ: | 1 |
| Start Date: | Not reported |
| Finish Date: | 1998-04-14 04:00:00 |
| Qual: | C |
| Current Action Lead: | Fed Fac |
| | |
| Region: | 07 |
| Site ID: | 0703485 |
| EPA ID: | MOSFN0703485 |
| Site Name: | BM-ROLLA RESEARCH CENTER |
| NPL: | N |
| FF: | Y |
| OU: | 00 |
| Action Code: | LV |
| Action Name: | FF RV |
| SEQ: | 3 |
| Start Date: | 1998-10-20 04:00:00 |
| Finish Date: | 1998-11-30 05:00:00 |
| Qual: | C |
| Current Action Lead: | Fed Fac |

A3
South
1/8-1/4
0.135 mi.
714 ft.

U S B M ROLLA RESEARCH
900 W 14TH ST
ROLLA, MO 65401

RCRA NonGen / NLR

1007107664
MOP000014738

Site 2 of 2 in cluster A

Relative:
Lower
Actual:
1144 ft.

| | |
|--------------------------------------|---------------------------|
| RCRA NonGen / NLR: | |
| Date Form Received by Agency: | 19971010 |
| Handler Name: | U S B M ROLLA RESEARCH |
| Handler Address: | 900 W 14TH ST |
| Handler City,State,Zip: | ROLLA, MO 65401 |
| EPA ID: | MOP000014738 |
| Contact Name: | BUCK VANNAMAN |
| Contact Address: | PO BOX 200 |
| Contact City,State,Zip: | FT LEONARD WOOD, MO 65473 |
| Contact Telephone: | 573-596-0081 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 07 |
| Land Type: | Federal |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

U S B M ROLLA RESEARCH (Continued)

1007107664

| | |
|--|--|
| Mailing Address: | PO BOX 200 |
| Mailing City, State, Zip: | FT LEONARD WOOD, MO 65473 |
| Owner Name: | USDOJ BUREAU OF LAND MANAGEMENT |
| Owner Type: | Federal |
| Operator Name: | Not reported |
| Operator Type: | Not reported |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | — |
| Federal Facility Indicator: | The land is federally-owned, The site is federally-owned |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20070730 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

U S B M ROLLA RESEARCH (Continued)

1007107664

Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported
Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D000
Waste Description: Not Defined

Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: USDOJ BUREAU OF LAND MANAGEMENT
Legal Status: Federal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: DENVER FEDERAL CTR BLDG 50
Owner/Operator City,State,Zip: DENVER, CO 80225-0047
Owner/Operator Telephone: 303-236-6418
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19971010
Handler Name: U S B M ROLLA RESEARCH
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

4
East
1/8-1/4
0.152 mi.
801 ft.

USA #1 STOP
1601 N BISHOP AVE
ROLLA, MO 65401

UST **U001160801**
N/A

Relative:
Lower
Actual:
1181 ft.

UST:
Facility ID: ST0011082
Region: SE
Easting: 607571.319
Northing: 4201780.67
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 08/26/2013
Lat/Long: 37.92135 / -91.82664
Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW10137
Owner Name: HAMILTON OIL CO
Owner Address: BUS HWY 63, PO BOX 539
Owner City,St,Zip: ROLLA, MO 65401
Owner County Code: 161
Owner Phone: 3641636
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: Not reported
Name of Person Editing Record: Not reported

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 08/07/1991
Date Tank Permanently Closed/ Removed: 08/07/1991
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA #1 STOP (Continued)

U001160801

Date Record Edited: Not reported
Person Adding/Editing Record: Not reported
Date Of NFA Letter: 08/07/1991
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 03/14/1991
Date Of Approval Letter: 08/07/1991
Firm Closing Tank: HAMILTON SON, INC
Date Closure Report Received: 07/10/1991
Registration End Date: Not reported
LockOut Flag: No
Comments: REMOVAL WITNESSED BY FIRE MARSHAL. SUPP. INFO RECEIVED 08/07/91

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27409
Tank PK: 27409
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1991-08-07 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10137
Owner Name: HAMILTON OIL CO
Owner Address: BUS HWY 63, PO BOX 539
Owner City,St,Zip: ROLLA, MO 65401
Owner County Code: 161
Owner Phone: 3641636
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: Not reported
Name of Person Editing Record: Not reported

Tank ID: 2
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA #1 STOP (Continued)

U001160801

Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 08/07/1991
Date Tank Permanently Closed/ Removed: 08/07/1991
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: Not reported
Person Adding/Editing Record: Not reported
Date Of NFA Letter: 08/07/1991
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 03/14/1991
Date Of Approval Letter: 08/07/1991
Firm Closing Tank: HAMILTON SON, INC
Date Closure Report Received: 07/10/1991
Registration End Date: Not reported
LockOut Flag: No
Comments: REMOVAL WITNESSED BY FIRE MARSHAL. SUPP. INFO RECEIVED 08/07/91

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27410
Tank PK: 27410
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1991-08-07 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA #1 STOP (Continued)

U001160801

Owner ID: OW10137
Owner Name: HAMILTON OIL CO
Owner Address: BUS HWY 63, PO BOX 539
Owner City,St,Zip: ROLLA, MO 65401
Owner County Code: 161
Owner Phone: 3641636
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: Not reported
Name of Person Editing Record: Not reported

Tank ID: 3
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 08/07/1991
Date Tank Permanently Closed/ Removed: 08/07/1991
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: Not reported
Person Adding/Editing Record: Not reported
Date Of NFA Letter: 08/07/1991
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 03/14/1991
Date Of Approval Letter: 08/07/1991
Firm Closing Tank: HAMILTON SON, INC
Date Closure Report Received: 07/10/1991
Registration End Date: Not reported
LockOut Flag: No
Comments: REMOVAL WITNESSED BY FIRE MARSHAL. SUPP. INFO RECEIVED 08/07/91

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27411
Tank PK: 27411
Case Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA #1 STOP (Continued)

U001160801

Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1991-08-07 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10137
Owner Name: HAMILTON OIL CO
Owner Address: BUS HWY 63, PO BOX 539
Owner City,St,Zip: ROLLA, MO 65401
Owner County Code: 161
Owner Phone: 3641636
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: Not reported
Name of Person Editing Record: Not reported

Tank ID: 4
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 08/07/1991
Date Tank Permanently Closed/ Removed: 08/07/1991
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA #1 STOP (Continued)

U001160801

Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: Not reported
Person Adding/Editing Record: Not reported
Date Of NFA Letter: 08/07/1991
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 03/14/1991
Date Of Approval Letter: 08/07/1991
Firm Closing Tank: HAMILTON SON, INC
Date Closure Report Received: 07/10/1991
Registration End Date: Not reported
LockOut Flag: No
Comments: REMOVAL WITNESSED BY FIRE MARSHAL. SUPP. INFO RECEIVED 08/07/91

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27412
Tank PK: 27412
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1991-08-07 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:

Facility Id: ST0011082
Tank Id: 2
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA #1 STOP (Continued)

U001160801

Facility Id: ST0011082
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0011082
Tank Id: 3
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0011082
Tank Id: 4
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

B5
East
1/8-1/4
0.239 mi.
1260 ft.

THOMAS JEFFERSON RESIDENCE HALL
BISHOP AVE. AND VICHI RD
ROLLA, MO 65401

UST **U003164686**
N/A

Site 1 of 5 in cluster B

Relative:
Lower
Actual:
1175 ft.

UST:
Facility ID: ST0009351
Region: SE
Easting: 607904.298
Northing: 4202065.21
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: CON_Fortin,Joel
Date GIS Data Collected: 02/17/2014
Lat/Long: 37.92135 / -91.82664
Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW06632
Owner Name: CURATORS UNIVERSITY OF MO - ROLLA
Owner Address: 210 PARKER HALL
Owner City,St,Zip: ROLLA, MO 65401
Owner County Code: 161
Owner Phone: 3414121
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1999-03-23 00:00:00
Name of Person Editing Record: NREQHW-FASTT

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1982
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: 01/01/1995
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMAS JEFFERSON RESIDENCE HALL (Continued)

U003164686

Date Record Edited: 04/02/1998
Person Adding/Editing Record: N\$PERRT
Date Of NFA Letter: 01/01/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 23097
Tank PK: 23097
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 560
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1982-01-01 00:00:00
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:

Facility Id: ST0009351
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

C6 **ROLLA RESEARCH CENTER-US BUREAU OF MINES, BUILDING**
SSE **1300 NORTH BISHOP AVENUE**
1/4-1/2 **ROLLA, MO 65401**
0.262 mi.
1383 ft. **Site 1 of 5 in cluster C**

SMARS **S128006678**
N/A

Relative: **SMARS:**
Lower Name: ROLLA RESEARCH CENTER-US BUREAU OF MINES, BUILDINGS 4, 5, 6 & 7
Actual: Address: 1300 NORTH BISHOP AVENUE
1123 ft. City,State,Zip: ROLLA, MO 65401-2163
 SM Number: 10659
 CERCLIS: Not reported
 Ownership: VCP
 Superfund Ownership: No
 Voluntary Cleanup Ownership: Yes
 Federal Facilities Ownership: No
 Permits Ownership: No
 NPL Date: Not reported
 Tank Site Identification #: Not reported
 Tank Remediation #: Not reported
 Registry: No
 Site Code: 9056
 Other Site Code: Not reported

C7 **BUREAU OF MINES**
SSE **1300 N BISHOP AVE, BUILDING # 2**
1/4-1/2 **ROLLA, MO**
0.262 mi.
1383 ft. **Site 2 of 5 in cluster C**

RGA LUST **S116099165**
N/A

Relative: **RGA LUST:**
Lower 2012 BUREAU OF MINES 1300 N BISHOP AVE, BUILDING # 2
Actual: 2011 BUREAU OF MINES 1300 N BISHOP AVE, BUILDING # 2
1123 ft. 2010 BUREAU OF MINES 1300 N BISHOP AVE, BUILDING # 2
 2008 BUREAU OF MINES 1300 N BISHOP AVE, BUILDING # 2
 2007 BUREAU OF MINES 1300 N BISHOP AVE, BUILDING # 2
 2006 BUREAU OF MINES 1300 N BISHOP AVE, BUILDING # 2
 2005 BUREAU OF MINES 1300 N BISHOP AVE, BUILDING # 2

C8 **BUREAU OF MINES**
SSE **1300 N BISHOP AVE, BUILDING # 2**
1/4-1/2 **ROLLA, MO 65401**
0.262 mi.
1383 ft. **Site 3 of 5 in cluster C**

LUST **U003980987**
UST **N/A**
ASBESTOS

Relative: **LUST:**
Lower Name: BUREAU OF MINES
Actual: Address: 1300 N BISHOP AVE, BUILDING # 2
1123 ft. City,State,Zip: ROLLA, MO 65401
 Facility ID: ST5800500
 Region: SE - Southeast Regional Office
 Lat/Long (dms): Not reported
 Spill Number: Not reported
 Release Date: 09/01/1992
 Release Type: UNDERGROUND STORAGE TANK
 Date Cleanup Started: 09/01/1992
 Date Cleanup Finished: Not reported
 Expedited: No
 Expedited Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BUREAU OF MINES (Continued)

U003980987

Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: 1998-04-14 00:00:00
Date Record Meets Archive Criteria: Not reported
Remediation ID: R003580
Rank: Not reported
Emergency Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: Not reported
RBCA NFA: No
Project Manager: L
Next Correspondence/Update With Fac: Not reported
Date Added: 06/30/1995
Date Record Edited: 09/27/2017
Person Adding Or Editing Record: LUTHER, L
Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: 03/12/1997
Site Affectd By Funding Level From PSTIF: No
General Comments: 3/15/13 MC All heating oil tanks at this site; active in VCP. Memo in file stated this info, dated 3/12/97. Certificate of completion from VCP dated 04/14/1998 for heating oil tanks. - LL

UST:

Facility ID: ST5800500
Region: SE
Easting: 607441.319
Northing: 4201442.26
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 08/26/2013
Lat/Long: Not reported
Lat/Long (dms): Not reported

Tanks:

Owner:

Owner ID: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Owner County Code: Not reported
Owner Phone: Not reported
Mail Was Not Deliverable: Not reported
Is Owner Active?: Not reported
Date Registration Received: Not reported
Date Record Added: Not reported
Date Record Edited: Not reported
Name of Person Editing Record: Not reported

Tank ID: Not reported
Tank Double Wall: Not reported
Tank Type: Not reported
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BUREAU OF MINES (Continued)

U003980987

| | |
|--|--------------|
| Meet 98 Update Requirements: | Not reported |
| Date Tank Installed: | Not reported |
| Tank Material: | Not reported |
| Code for Tank Material Manufacturer: | Not reported |
| Code for Tank Installer: | Not reported |
| Other Type Of Tank Material: | Not reported |
| Tank Internal Protection: | Not reported |
| Other Tank Internal Protection: | Not reported |
| Tank Internal Protection Date: | Not reported |
| Tank External Protection: | Not reported |
| Other Type Tank Extrn Protec: | Not reported |
| Tank External Protec Date: | Not reported |
| Date Tank Last Used: | Not reported |
| Date Tank Permanently Closed/ Removed: | Not reported |
| Dt Tk Exp Brought InUse/Internal Tracking: | Not reported |
| Tank Fees Waived: | Not reported |
| Expedite Closure On Tank?: | Not reported |
| Responsible Person Expediting Closure: | Not reported |
| Temporary Status Verified Date: | Not reported |
| Admin Fee 585: | Not reported |
| Date Administratively Closed: | Not reported |
| Date Record Added: | Not reported |
| Date Record Edited: | Not reported |
| Person Adding/Editing Record: | Not reported |
| Date Of NFA Letter: | Not reported |
| Is Tank Used For Emergency Generator: | Not reported |
| Date Closure Notice Received: | Not reported |
| Date Of Approval Letter: | Not reported |
| Firm Closing Tank: | Not reported |
| Date Closure Report Received: | Not reported |
| Registration End Date: | Not reported |
| LockOut Flag: | Not reported |
| Comments: | Not reported |

Tank Aug 2011:

| | |
|--------------------|--------------|
| Facility Id: | ST5800500 |
| Tank Id: | Not reported |
| Site Usage: | Not reported |
| Risk Type: | Not reported |
| Soil Type: | Not reported |
| GW Flow: | Not reported |
| Offsite Impact: | Not reported |
| Free Product: | Not reported |
| Drinking Water: | Not reported |
| Closed Under: | Not reported |
| No Drinking Wells: | Not reported |
| No Buildings: | Not reported |
| Vapor Barrier: | Not reported |
| St Louis Mo: | Not reported |
| Special Well Area: | Not reported |
| Surface Cap: | Not reported |
| No Excavation: | Not reported |

ASBESTOS:

| | |
|----------|---------------------------|
| Name: | MO S&T BUREAU OF MINES #1 |
| Address: | 1300 N BISHOP AVE |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BUREAU OF MINES (Continued)

U003980987

City,State,Zip: ROLLA, MO 65401
Permit Number: Not reported
Paid: True
Postmark/Email Date: 03/16/2021
Operation Type: D
Contractor Name: Spartan Services LLC
Regional Office: SERO
Owner: Missouri University of Science and Technology
Owner Address: 901 Facilities Dr
Owner City: Rolla
Owner State: Not reported
Owner Zip: Not reported
Square Feet: 11855
Linear Feet: 2730
Cubic Feet: Not reported
Asbestos Type: 2600lf frbl pipe insul, 300sf frbl pipe fittings,210 sf frbl ceiling
tile,10sf frbl packing, 130 lf n-f flue pipe, 10435sf n-f floor
tile/mastic, 900sf n-f cementious lab top, 24 ea n-f cementitious fume
hoods
Present Use: Research Laboratory
Prior Use: Research Laboratory
Start Date: 04/05/2021
End Date: 05/06/2021
Post Date: 07/06/2021
Start Time: 700
End Time: 1730
Disposal Site: Jefferson City Landfill
Contact Person: Joel Smith
Review Date: 06/07/2021
Post Complete: True
Contractor Phone: (636) 262-5904
Contractor Registration Number: 22-03-0582
Notification Date: Not reported
Inspection Date: Not reported
Inspection Invoice: Not reported
Demo Date Recieved: Not reported
Asbestos Quantity: Not reported
Total Days: Not reported
Receive Date: Not reported
Invoice Date: Not reported
Project Type: Not reported
Comments: see related A8249-2021: D10843-2021
Amendments: on hold; revd strt 4/5 @0700, revd end 5/6; revd lunch breaks to
1130-1200; revd end 5/12;

Fiel Name: Asbestos_Abatement_Project_Notifications
Latitude: Not reported
Longitude: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

EDR ID Number
 EPA ID Number

| | | | |
|------------------|---|------------|-------------------|
| C9 | ROLLA RESEARCH CENTER-US BUREAU OF MINES, BUILDING | VCP | S105791311 |
| SSE | 1300 NORTH BISHOP AVENUE | | N/A |
| 1/4-1/2 | ROLLA, MO 65401 | | |
| 0,262 mi. | Site 4 of 5 in cluster C | | |
| 1383 ft. | | | |

Relative:
Lower
Actual:
1123 ft.

VCP:

Name: ROLLA RESEARCH CENTER-US BUREAU OF MINES
Address: 1300 BISHOP AVENUE
City,State,Zip: ROLLA, MO 65401-2163
Northing: 4201406.2534
Easting: 607504.18653
Facility Status: Cert. of Completion Issued
Activity Use: Not reported
Manager: Tim Chibnall
Cert. of completion issued: 4/13/1998
Application Received: 5/14/1996
State Funded: Not reported
Federal Funded: Not reported
Acreage: 2.95
Operable Unit: Rolla Research Center-US Bureau of Mines
Site Description: This site was previously used by the United States Bureau of Mines as a center for mineral and mining research. The federal government closed the facility and operation and ownership of the property was to transfer to the state university system. Investigations revealed heavy metal contamination in shallow soils across parts of the site.

Contaminant: Metals,Radionuclide

Name: ROLLA RESEARCH CENTER-US BUREAU OF MINES, BUILDINGS 4, 5, 6 & 7
Address: 1300 NORTH BISHOP AVENUE
City,State,Zip: ROLLA, MO 65401-2163
Northing: 4201616.1141
Easting: 607174.55303
Facility Status: Cert. of Completion Issued
Activity Use: Not reported
Manager: Tim Chibnall
Cert. of completion issued: 2/10/2000
Application Received: 4/30/1998
State Funded: Not reported
Federal Funded: Not reported
Acreage: 2.95
Operable Unit: Rolla Research-US Bureau of Mines, Buildings 4, 5, 6 & 7
Site Description: This site was previously used by the United States Bureau of Mines as a center for mineral and mining research. The federal government closed the facility and operation and ownership of the property was to transfer to the state university system. Although the larger property, the land and buildings, was enrolled in the Brownfields Voluntary Cleanup Program (BVCP) previously, this site consisted only of Buildings 4, 5, 6 and 7. The environmental concern at the site was lead on and engrained in building surfaces from historical operations inside the structures.

Contaminant: Lead

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

C10 **BUREAU OF MINES**
SSE **1300 N BISHOP ST, BUILDING # 2**
1/4-1/2 **ROLLA, MO**
0.262 mi.
1383 ft. **Site 5 of 5 in cluster C**

RGA LUST **S116099166**
 N/A

Relative: RGA LUST:

| | | | |
|-----------------|------|-----------------|--------------------------------|
| Lower | 2004 | BUREAU OF MINES | 1300 N BISHOP ST, BUILDING # 2 |
| Actual: | 2003 | BUREAU OF MINES | 1300 N BISHOP ST, BUILDING # 2 |
| 1123 ft. | 2002 | BUREAU OF MINES | 1300 N BISHOP ST, BUILDING # 2 |
| | 2000 | BUREAU OF MINES | 1300 N BISHOP ST, BUILDING # 2 |
| | 1999 | BUREAU OF MINES | 1300 N BISHOP ST, BUILDING # 2 |
| | 1998 | BUREAU OF MINES | 1300 N BISHOP ST, BUILDING # 2 |
| | 1997 | BUREAU OF MINES | 1300 N BISHOP ST, BUILDING # 2 |

B11 **MOBILE ON THE RUN #120**
East **1710 N BISHOP**
1/4-1/2 **ROLLA, MO**
0.279 mi.
1475 ft. **Site 2 of 5 in cluster B**

RGA LUST **S116104172**
 N/A

Relative: RGA LUST:

| | | | |
|-----------------|------|------------------------|---------------|
| Higher | 2012 | MOBILE ON THE RUN #120 | 1710 N BISHOP |
| Actual: | 2011 | MOBILE ON THE RUN #120 | 1710 N BISHOP |
| 1184 ft. | 2010 | MOBILE ON THE RUN #120 | 1710 N BISHOP |
| | 2008 | MOBILE ON THE RUN #120 | 1710 N BISHOP |
| | 2007 | MOBILE ON THE RUN #120 | 1710 N BISHOP |
| | 2006 | MOBILE ON THE RUN #120 | 1710 N BISHOP |
| | 2005 | MOBILE ON THE RUN #120 | 1710 N BISHOP |

B12 **#120 ROLLA-MOBIL**
East **1710 N BISHOP**
1/4-1/2 **ROLLA, MO**
0.279 mi.
1475 ft. **Site 3 of 5 in cluster B**

RGA LUST **S116097603**
 N/A

Relative: RGA LUST:

| | | | |
|-----------------|------|------------------|---------------|
| Higher | 2004 | #120 ROLLA-MOBIL | 1710 N BISHOP |
| Actual: | 2003 | #120 ROLLA-MOBIL | 1710 N BISHOP |
| 1184 ft. | 2002 | #120 ROLLA-MOBIL | 1710 N BISHOP |

B13 **MOBILE ON THE RUN #120**
East **1710 N BISHOP**
1/4-1/2 **ROLLA, MO 65401**
0.279 mi.
1475 ft. **Site 4 of 5 in cluster B**

LUST **U000754142**
UST **N/A**

Relative: LUST:

| | | |
|-----------------|------------------------|--------------------------------|
| Higher | Name: | MOBILE ON THE RUN #120 |
| Actual: | Address: | 1710 N BISHOP |
| 1184 ft. | City,State,Zip: | ROLLA, MO 65401 |
| | Facility ID: | ST0013606 |
| | Region: | SE - Southeast Regional Office |
| | Lat/Long (dms): | 37 57 32 / 91 56 24 |
| | Spill Number: | Not reported |
| | Release Date: | 10/14/1993 |
| | Release Type: | UNDERGROUND STORAGE TANK |
| | Date Cleanup Started: | 08/21/1995 |
| | Date Cleanup Finished: | 08/21/1995 |
| | Expedited: | No |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009: No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: Not reported
Date Record Meets Archive Criteria: Not reported
Remediation ID: R004619
Rank: Not reported
Emergency Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: Not reported
RBCA NFA: No
Project Manager: L
Next Correspondence/Update With Fac: Not reported
Date Added: 06/30/1995
Date Record Edited: 09/27/2017
Person Adding Or Editing Record: LUTHER, L
Facility Sent To State Archive: No
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 08-21-95 - JH - RELEASE HAS BEEN CONFIRMED BASED ON LAB RESULTS PROVIDED BY TELEPHONE. WAITING FOR LAB REPORTS. BOOT PIERCE HAS RECEIVED HIS PAPER COPY ON THE RESULTS. SITE CLOSED, ANALYTICAL DATA DOES NOT SUPPORT ADDITIONAL INVESTIGATION.

UST:

Facility ID: ST0013606
Region: SE
Easting: 607831.769
Northing: 4201886.76
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: INTERNS
Date GIS Data Collected: 02/05/2002
Lat/Long: 37.958191 / -91.77253
Lat/Long (dms): 37 57 32 / 91 56 24

Tanks:

Owner:

Owner ID: OW10411
Owner Name: WALLIS OIL INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2015-11-03 00:00:00
Name of Person Editing Record: BERVE, TRISHA

Tank ID: 1
Tank Double Wall: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1983
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Sacrificial
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 05/01/2004
Date Tank Permanently Closed/ Removed: 05/24/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 10/20/2004
Person Adding/Editing Record: PARRIS, M
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 01/21/2004
Date Of Approval Letter: 01/22/2004
Firm Closing Tank: COMMONWEALTH CONSTRUCTION CO.
Date Closure Report Received: 07/23/2004
Registration End Date: Not reported
LockOut Flag: No
Comments: 8-23-04—rev. CR; requested UST cleaning doc and either QA/QC or NELAC certificate—MP 10-20-04—rev. response to request for closure deficiencies; response adequately addressed deficiencies; drafted NFA—MP

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 34649
Tank PK: 34651
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 12000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-05-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW10411
Owner Name: WALLIS OIL INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2015-11-03 00:00:00
Name of Person Editing Record: BERVE, TRISHA

Tank ID: 2
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1983
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Sacrificial
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 05/01/2004
Date Tank Permanently Closed/ Removed: 05/24/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 08/23/2004
Person Adding/Editing Record: PARRIS, M
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 01/21/2004
Date Of Approval Letter: 01/22/2004
Firm Closing Tank: COMMONWEALTH CONSTRUCTION CO.
Date Closure Report Received: 07/23/2004
Registration End Date: Not reported
LockOut Flag: No
Comments: 8-23-04—rev. CR; requested UST cleaning doc—MP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 34650
Tank PK: 34652
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 12000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-05-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW10411
Owner Name: WALLIS OIL INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2015-11-03 00:00:00
Name of Person Editing Record: BERVE, TRISHA

Tank ID: 3
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1983
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Sacrificial
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 05/01/2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Date Tank Permanently Closed/ Removed: 05/24/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 08/23/2004
Person Adding/Editing Record: PARRIS, M
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 01/21/2004
Date Of Approval Letter: 01/22/2004
Firm Closing Tank: COMMONWEALTH CONSTRUCTION CO.
Date Closure Report Received: 07/23/2004
Registration End Date: Not reported
LockOut Flag: No
Comments: 8-23-04--rev. CR; requested UST cleaning doc--MP

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 34651
Tank PK: 34653
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 12000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-05-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW10411
Owner Name: WALLIS OIL INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2015-11-03 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Name of Person Editing Record: BERVE, TRISHA

Tank ID: 4
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Curently in use
Meet 98 Update Requirements: Not reported
Date Tank Installed: 06/16/2004
Tank Material: Clad Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 12/21/2004
Date Record Edited: 03/27/2013
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 09/30/2025
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 34652
Tank PK: 34654
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 20000
Substance: R
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 2004-07-19 00:00:00
Pipe System: 1
Pipe Material: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW10411
Owner Name: WALLIS OIL INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2015-11-03 00:00:00
Name of Person Editing Record: BERVE, TRISHA

Tank ID: 5
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Curently in use
Meet 98 Update Requirements: Not reported
Date Tank Installed: 06/16/2004
Tank Material: Clad Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 12/21/2004
Date Record Edited: 05/06/2015
Person Adding/Editing Record: WALKER, S
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 09/30/2025

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 2
Tank Compartment PK: 40640
Tank PK: 34655
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: P
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 2004-07-19 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Tanks Use: False
Compartment No: 3
Tank Compartment PK: 40641
Tank PK: 34655
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 5000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 2004-07-19 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 34653
Tank PK: 34655
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 5000
Substance: Diesel
Substance Other: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 2004-07-19 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Tank Aug 2011:

Facility Id: ST0013606
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013606
Tank Id: 2
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013606
Tank Id: 3
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MOBILE ON THE RUN #120 (Continued)

U000754142

Free Product: Not reported
 Drinking Water: Not reported
 Closed Under: Not reported
 No Drinking Wells: No
 No Buildings: No
 Vapor Barrier: 0
 St Louis Mo: No
 Special Well Area: No
 Surface Cap: No
 No Excavation: No

Facility Id: ST0013606
 Tank Id: 4
 Site Usage: Not reported
 Risk Type: Not reported
 Soil Type: Not reported
 GW Flow: Not reported
 Offsite Impact: Not reported
 Free Product: Not reported
 Drinking Water: Not reported
 Closed Under: Not reported
 No Drinking Wells: No
 No Buildings: No
 Vapor Barrier: 0
 St Louis Mo: No
 Special Well Area: No
 Surface Cap: No
 No Excavation: No

Facility Id: ST0013606
 Tank Id: 5
 Site Usage: Not reported
 Risk Type: Not reported
 Soil Type: Not reported
 GW Flow: Not reported
 Offsite Impact: Not reported
 Free Product: Not reported
 Drinking Water: Not reported
 Closed Under: Not reported
 No Drinking Wells: No
 No Buildings: No
 Vapor Barrier: 0
 St Louis Mo: No
 Special Well Area: No
 Surface Cap: No
 No Excavation: No

B14
East
1/4-1/2
0.279 mi.
1475 ft.

ROLLA PUMP HANDLE
1710 N BISHOP
ROLLA, MO
Site 5 of 5 in cluster B

RGALUST S116105655
N/A

Relative:
Higher
Actual:
1184 ft.

RGALUST: 2000 ROLLA PUMP HANDLE 1710 N BISHOP
 1999 ROLLA PUMP HANDLE 1710 N BISHOP
 1998 ROLLA PUMP HANDLE 1710 N BISHOP
 1997 ROLLA PUMP HANDLE 1710 N BISHOP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

15
SE
1/4-1/2
0.351 mi.
1853 ft.

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
101 GENERAL SERVICES
ROLLA, MO 65401

LAST
UST U000753953
N/A

Relative:
Lower

LAST:

Actual:
1130 ft.

Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Address: 101 GENERAL SERVICES
City,State,Zip: ROLLA, MO 65401
Facility ID: ST0005229
Lat/Long (dms): Not reported
Lat/Long: 37.9545 / -91.7756
Region: SE
Remediation ID: R007074
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009: No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Rank: 12
Spill Number: 01133AC1520
Release Date: 01/14/1993
Emergency Reponse Date: Not reported
Emergency Cleanup Start: Not reported
Release Type: A
Date Cleanup Started: 01/21/1993
Date Cleanup Finished: 07/30/2007
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: 148
RBCA NFA: Yes
Date Of NFA Letter From DNR: 2007-08-08 00:00:00
Project Manager: G
Next Correspondence/Update With Fac: Not reported
Date Added: 06/05/2001
Date Record Edited: 08/10/2007
Person Adding Or Editing Record: LUTHER, L
Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
Date Record Meets Archive Criteria: 09/05/2007
General Comments: LA1083 4/7/02 kk rev file. Sent LAST letter req information on release of 200 gallons of gasoline due to broken valve. Was cleanup accomplished 2/3/07 jj rev file, sent a follow up letter to current director of program. 2/22/07 jj letter officially sent 03/22/07 - Received phone call from Tony from UMR. Release occurred in 1993. Tony has information about what cleanup was performed. He will be sending a report. - LL 7/30/07 vg rev report on response to AST spill (leaking valve). Spilled product contained in AST containment. Product pumped out, Impacted soil excavated, Confirmation sampling below Soil type 1 Residential RBTLs for subsurface soils. Excavated soil below DTLs. Used for backfill elsewhere on site. Site can be closed, No Risk Assessment performed Soil type 1 site is non-residential (Universityof Missouri Rolla Campus) groundwater flow direction is unknown No off-site impacts No AULs needed

UST:

Facility ID: ST0005229

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Region: SE
Easting: 607155.542
Northing: 4201830.75
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: CON_Fortin,Joel
Date GIS Data Collected: 02/17/2014
Lat/Long: 37.9545 / -91.7756
Lat/Long (dms): Not reported

Tanks:

Owner:

Owner ID: OW10243
Owner Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Owner Address: 4825 TROOST, SSB #109
Owner City,St,Zip: KANSAS CITY, MO 64110
Owner County Code: 95
Owner Phone: 2351623
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2007-12-06 00:00:00
Name of Person Editing Record: MASCHLER, H.

Tank ID: 11
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 11/24/1997
Person Adding/Editing Record: NSMUKHH
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 12813
Tank PK: 12813
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 500
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10243
Owner Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Owner Address: 4825 TROOST, SSB #109
Owner City,St,Zip: KANSAS CITY, MO 64110
Owner County Code: 95
Owner Phone: 2351623
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2007-12-06 00:00:00
Name of Person Editing Record: MASCHLER, H.

Tank ID: 2
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 11/24/1997
Person Adding/Editing Record: N\$HIRSL
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 12806
Tank PK: 12806
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 560
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10243
Owner Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Owner Address: 4825 TROOST, SSB #109
Owner City,St,Zip: KANSAS CITY, MO 64110
Owner County Code: 95
Owner Phone: 2351623

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2007-12-06 00:00:00
Name of Person Editing Record: MASCHLER, H.

Tank ID: 4
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 11/24/1997
Person Adding/Editing Record: NSMUKHH
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 12807
Tank PK: 12807
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 500
Substance: Empty
Substance Other: Not reported
Hazardous Substance: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10243
Owner Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Owner Address: 4825 TROOST, SSB #109
Owner City,St,Zip: KANSAS CITY, MO 64110
Owner County Code: 95
Owner Phone: 2351623
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2007-12-06 00:00:00
Name of Person Editing Record: MASCHLER, H.

Tank ID: 5
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 11/24/1997
Person Adding/Editing Record: NSMUKHH
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 12808
Tank PK: 12808
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 5000
Substance: Kerosene
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10243
Owner Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Owner Address: 4825 TROOST, SSB #109
Owner City,St,Zip: KANSAS CITY, MO 64110
Owner County Code: 95
Owner Phone: 2351623
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2007-12-06 00:00:00
Name of Person Editing Record: MASCHLER, H.

Tank ID: 6
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 11/24/1997
Person Adding/Editing Record: NSMUKHH
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 12809
Tank PK: 12809
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10243
Owner Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Owner Address: 4825 TROOST, SSB #109
Owner City,St,Zip: KANSAS CITY, MO 64110

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Owner County Code: 95
Owner Phone: 2351623
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2007-12-06 00:00:00
Name of Person Editing Record: MASCHLER, H.

Tank ID: 7
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 11/24/1997
Person Adding/Editing Record: NSMUKHH
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 12810
Tank PK: 12810
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 6000
Substance: Diesel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10243
Owner Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Owner Address: 4825 TROOST, SSB #109
Owner City,St,Zip: KANSAS CITY, MO 64110
Owner County Code: 95
Owner Phone: 2351623
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2007-12-06 00:00:00
Name of Person Editing Record: MASCHLER, H.

Tank ID: 8
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 04/26/1996
Date Tank Permanently Closed/ Removed: 06/15/1996
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 11/24/1997
Person Adding/Editing Record: NSHIRSL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Date Of NFA Letter: 06/15/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 04/26/1996
Date Of Approval Letter: 06/15/1996
Firm Closing Tank: ENVIRONMENTAL SCIENCE & ENG
Date Closure Report Received: 03/03/1997
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 12811
Tank PK: 12811
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Kerosene
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1996-04-26 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10243
Owner Name: MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
Owner Address: 4825 TROOST, SSB #109
Owner City,St,Zip: KANSAS CITY, MO 64110
Owner County Code: 95
Owner Phone: 2351623
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2007-12-06 00:00:00
Name of Person Editing Record: MASCHLER, H.

Tank ID: 9
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 04/26/1996
Date Tank Permanently Closed/ Removed: 06/15/1996
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 11/24/1997
Person Adding/Editing Record: N\$HIRSL
Date Of NFA Letter: 06/15/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 04/26/1996
Date Of Approval Letter: 06/15/1996
Firm Closing Tank: ENVIRONMENTAL SCIENCE & ENG
Date Closure Report Received: 03/03/1997
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 12812
Tank PK: 12812
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Kerosene
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1996-04-26 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:

Facility Id: ST0005229
Tank Id: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0005229
Tank Id: 4
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0005229
Tank Id: 5
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0005229
Tank Id: 6
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0005229
Tank Id: 7
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0005229
Tank Id: 8
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0005229
Tank Id: 9
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY (Continued)

U000753953

Drinking Water: Not reported
 Closed Under: Not reported
 No Drinking Wells: No
 No Buildings: No
 Vapor Barrier: 0
 St Louis Mo: No
 Special Well Area: No
 Surface Cap: No
 No Excavation: No

Facility Id: ST0005229
 Tank Id: 11
 Site Usage: Not reported
 Risk Type: Not reported
 Soil Type: Not reported
 GW Flow: Not reported
 Offsite Impact: Not reported
 Free Product: Not reported
 Drinking Water: Not reported
 Closed Under: Not reported
 No Drinking Wells: No
 No Buildings: No
 Vapor Barrier: 0
 St Louis Mo: No
 Special Well Area: No
 Surface Cap: No
 No Excavation: No

| | | | |
|------------------|---------------------------------|-----------------|-------------------|
| D16 | #520 SMITH 66 | RGA LUST | S116097608 |
| SSE | 1002 N BISHOP | | N/A |
| 1/4-1/2 | ROLLA, MO | | |
| 0.384 mi. | | | |
| 2028 ft. | Site 1 of 2 in cluster D | | |

| | | | | | | | |
|------------------|-----------|------|---------------|---------------|--|--|--|
| Relative: | RGA LUST: | | | | | | |
| Lower | | 2012 | #520 SMITH 66 | 1002 N BISHOP | | | |
| Actual: | | 2011 | #520 SMITH 66 | 1002 N BISHOP | | | |
| 1109 ft. | | 2010 | #520 SMITH 66 | 1002 N BISHOP | | | |
| | | 2008 | #520 SMITH 66 | 1002 N BISHOP | | | |
| | | 2007 | #520 SMITH 66 | 1002 N BISHOP | | | |
| | | 2006 | #520 SMITH 66 | 1002 N BISHOP | | | |
| | | 2005 | #520 SMITH 66 | 1002 N BISHOP | | | |
| | | 2004 | #520 SMITH 66 | 1002 N BISHOP | | | |

| | | | |
|------------------|---------------------------------|-------------|-------------------|
| D17 | #520 SMITH 66 | LUST | U003403218 |
| SSE | 1002 N BISHOP | UST | N/A |
| 1/4-1/2 | ROLLA, MO 65401 | | |
| 0.384 mi. | | | |
| 2028 ft. | Site 2 of 2 in cluster D | | |

| | | | | | | | |
|------------------|-----------------|--|--------------------------------|--|--|--|--|
| Relative: | LUST: | | | | | | |
| Lower | Name: | | #520 SMITH 66 | | | | |
| Actual: | Address: | | 1002 N BISHOP | | | | |
| 1109 ft. | City,State,Zip: | | ROLLA, MO 65401 | | | | |
| | Facility ID: | | ST0011042 | | | | |
| | Region: | | SE - Southeast Regional Office | | | | |
| | Lat/Long (dms): | | Not reported | | | | |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Spill Number: Not reported
Release Date: Not reported
Release Type: UNDERGROUND STORAGE TANK
Date Cleanup Started: 02/19/2004
Date Cleanup Finished: 12/07/2004
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009: No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: 2004-12-07 00:00:00
Date Record Meets Archive Criteria: Not reported
Remediation ID: R007718
Rank: 29
Emergency Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: Not reported
RBCA NFA: Yes
Project Manager: J
Next Correspondence/Update With Fac: Not reported
Date Added: 02/19/2004
Date Record Edited: 11/09/2007
Person Adding Or Editing Record: LUTHER, L
Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 11/09/07 - Remediation connected to closure. Remediation not necessary. Closure NFA used to close Remediation. NFA issued 12/07/2004. - LL

UST:

Facility ID: ST0011042
Region: SE
Easting: 607464.316
Northing: 4201217.06
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: INTERNS
Date GIS Data Collected: 02/05/2002
Lat/Long: 37.9522 / -91.776812
Lat/Long (dms): Not reported

Tanks:

Owner:

Owner ID: OW10125
Owner Name: WALLIS ENERGY INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1998-11-23 00:00:00
Name of Person Editing Record: NRESSD

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

#520 SMITH 66 (Continued)

U003403218

| | | |
|--|--|--------------|
| Tank ID: | 1 | |
| Tank Double Wall: | 0 | |
| Tank Type: | Below Ground | |
| Tank Status: | Removed | |
| Meet 98 Update Requirements: | Not reported | |
| Date Tank Installed: | 01/01/1985 | |
| Tank Material: | Steel | |
| Code for Tank Material Manufacturer: | Not reported | |
| Code for Tank Installer: | Not reported | |
| Other Type Of Tank Material: | Not reported | |
| Tank Internal Protection: | Not reported | |
| Other Tank Internal Protection: | Not reported | |
| Tank Internal Protection Date: | Not reported | |
| Tank External Protection: | Not reported | |
| Other Type Tank Extrn Protec: | Not reported | |
| Tank External Protec Date: | Not reported | |
| Date Tank Last Used: | 04/30/2004 | |
| Date Tank Permanently Closed/ Removed: | 04/30/2004 | |
| Dt Tk Exp Brought InUse/Internal Tracking: | | Not reported |
| Tank Fees Waived: | No | |
| Expedite Closure On Tank?: | No | |
| Responsible Person Expediting Closure: | PC | |
| Temporary Status Verified Date: | Not reported | |
| Admin Fee 585: | Not reported | |
| Date Administratively Closed: | Not reported | |
| Date Record Added: | 06/30/1995 | |
| Date Record Edited: | 06/18/2008 | |
| Person Adding/Editing Record: | LIGHT, K | |
| Date Of NFA Letter: | 12/07/2004 | |
| Is Tank Used For Emergency Generator: | No | |
| Date Closure Notice Received: | 06/08/2004 | |
| Date Of Approval Letter: | 06/14/2004 | |
| Firm Closing Tank: | COMMONWEALTH CONSTRUCTION | |
| Date Closure Report Received: | 08/13/2004 | |
| Registration End Date: | Not reported | |
| LockOut Flag: | No | |
| Comments: | 10/01/04 letter in response to CR review - pc - requests nearby utilities site sketch, WP for GW assessment. Finish db update for all tanks. | |

Tank Compartment:

| | |
|-------------------------------|----------------------------|
| Tanks Use: | False |
| Compartment No: | 1 |
| Tank Compartment PK: | 27313 |
| Tank PK: | 27313 |
| Case Number: | Not reported |
| Compartment Status: | Removed |
| Compartment Temp Verified Dt: | Not reported |
| Capacity: | 10000 |
| Substance: | Gasoline, Including Blends |
| Substance Other: | Not reported |
| Hazardous Substance: | Not reported |
| Mixture: | False |
| Date of Last Use: | 2004-04-30 00:00:00 |
| Pipe Installation Date: | 1998-06-01 00:00:00 |
| Pipe System: | 1 |
| Pipe Material: | 8 |
| Pipe Material Other: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW10125
Owner Name: WALLIS ENERGY INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1998-11-23 00:00:00
Name of Person Editing Record: NRESSD

Tank ID: 2
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1985
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 04/30/2004
Date Tank Permanently Closed/ Removed: 04/30/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/18/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 12/07/2004
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 06/08/2004
Date Of Approval Letter: 06/14/2004
Firm Closing Tank: COMMONWEALTH CONSTRUCTION
Date Closure Report Received: 08/13/2004
Registration End Date: Not reported
LockOut Flag: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Comments: 10/01/04 letter in response to CR review - pc - requests nearby utilities site sketch, WP for GW assessment. 11/3/04 letter sent in response to submittal, based on bedrock assessment and review, the previously requested work plan for groundwater assessment is not necessary. Dept will require signed and sealed Table 4. 12/7/04 - NFA issued

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27314
Tank PK: 27314
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-04-30 00:00:00
Pipe Installation Date: 1998-06-01 00:00:00
Pipe System: 1
Pipe Material: 8
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW10125
Owner Name: WALLIS ENERGY INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1998-11-23 00:00:00
Name of Person Editing Record: NRESSD

Tank ID: 3
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1982
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 06/30/2003
Date Tank Permanently Closed/ Removed: 10/13/2003
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/18/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 12/07/2004
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 07/07/2003
Date Of Approval Letter: 07/08/2003
Firm Closing Tank: COMMONWEALTH CONSTRUCTION
Date Closure Report Received: 11/20/2003
Registration End Date: Not reported
LockOut Flag: No
Comments: Response to CR - because of GW, no closure samples taken - as a result, wp forthcoming - it must include an assesment of PI and piping as well as GW - 12-16-03 KMT 03/16/04 KMT - Rcvd wp for closure sampling because of the GW difficulties - approved with requirements for PI and piping samples - asked for clarification as to the fate of product piping

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27315
Tank PK: 27315
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2003-06-30 00:00:00
Pipe Installation Date: 1998-06-01 00:00:00
Pipe System: 1
Pipe Material: 8
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Owner ID: OW10125
Owner Name: WALLIS ENERGY INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1998-11-23 00:00:00
Name of Person Editing Record: NRESSD

Tank ID: 4
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1977
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 04/30/2004
Date Tank Permanently Closed/ Removed: 06/14/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/18/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 12/07/2004
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 06/08/2004
Date Of Approval Letter: 06/14/2004
Firm Closing Tank: COMMONWEALTH CONSTRUCTION
Date Closure Report Received: 08/13/2004
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27316
Tank PK: 27316
Case Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 6000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-04-30 00:00:00
Pipe Installation Date: 1998-06-01 00:00:00
Pipe System: 1
Pipe Material: 8
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW10125
Owner Name: WALLIS ENERGY INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1998-11-23 00:00:00
Name of Person Editing Record: NRESSD

Tank ID: 5
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1982
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 04/30/2004
Date Tank Permanently Closed/ Removed: 06/14/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/18/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 12/07/2004
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 06/08/2004
Date Of Approval Letter: 06/14/2004
Firm Closing Tank: COMMONWEALTH CONSTRUCTION
Date Closure Report Received: 08/13/2004
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27317
Tank PK: 27317
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 560
Substance: Used Oil
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-04-30 00:00:00
Pipe Installation Date: Not reported
Pipe System: 4
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: 2
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW10125
Owner Name: WALLIS ENERGY INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1998-11-23 00:00:00
Name of Person Editing Record: NRESSD

Tank ID: 6
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

#520 SMITH 66 (Continued)

U003403218

| | |
|--|---------------------------|
| Meet 98 Update Requirements: | Not reported |
| Date Tank Installed: | Not reported |
| Tank Material: | Steel |
| Code for Tank Material Manufacturer: | Not reported |
| Code for Tank Installer: | Not reported |
| Other Type Of Tank Material: | Not reported |
| Tank Internal Protection: | Not reported |
| Other Tank Internal Protection: | Not reported |
| Tank Internal Protection Date: | Not reported |
| Tank External Protection: | Not reported |
| Other Type Tank Extrn Protec: | Not reported |
| Tank External Protec Date: | Not reported |
| Date Tank Last Used: | Not reported |
| Date Tank Permanently Closed/ Removed: | 06/14/2004 |
| Dt Tk Exp Brought InUse/Internal Tracking: | Not reported |
| Tank Fees Waived: | No |
| Expedite Closure On Tank?: | No |
| Responsible Person Expediting Closure: | PC |
| Temporary Status Verified Date: | Not reported |
| Admin Fee 585: | Not reported |
| Date Administratively Closed: | Not reported |
| Date Record Added: | 07/21/2004 |
| Date Record Edited: | 06/18/2008 |
| Person Adding/Editing Record: | LIGHT, K |
| Date Of NFA Letter: | 12/07/2004 |
| Is Tank Used For Emergency Generator: | No |
| Date Closure Notice Received: | Not reported |
| Date Of Approval Letter: | Not reported |
| Firm Closing Tank: | COMMONWEALTH CONSTRUCTION |
| Date Closure Report Received: | 08/13/2004 |
| Registration End Date: | Not reported |
| LockOut Flag: | No |
| Comments: | Not reported |

Tank Compartment:

| | |
|-------------------------------|-----------------------|
| Tanks Use: | False |
| Compartment No: | 1 |
| Tank Compartment PK: | 27318 |
| Tank PK: | 27318 |
| Case Number: | Not reported |
| Compartment Status: | Removed |
| Compartment Temp Verified Dt: | Not reported |
| Capacity: | 1000 |
| Substance: | Unspecified Petroleum |
| Substance Other: | Not reported |
| Hazardous Substance: | Not reported |
| Mixture: | False |
| Date of Last Use: | Not reported |
| Pipe Installation Date: | Not reported |
| Pipe System: | Not reported |
| Pipe Material: | Not reported |
| Pipe Material Other: | Not reported |
| Pipe Protection: | Not reported |
| Pipe Protection Date: | Not reported |
| Pipe Double Wall: | 0 |
| Spill Protection: | False |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Owner:

Owner ID: OW10125
Owner Name: WALLIS ENERGY INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1998-11-23 00:00:00
Name of Person Editing Record: NRESSD

Tank ID: 7
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: 06/14/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 07/21/2004
Date Record Edited: 06/18/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 12/07/2004
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: COMMONWEALTH CONSTRUCTION
Date Closure Report Received: 08/13/2004
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27319

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Tank PK: 27319
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 1000
Substance: Unspecified Petroleum
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:

Owner ID: OW10125
Owner Name: WALLIS ENERGY INC
Owner Address: 106 E WASHINGTON
Owner City,St,Zip: CUBA, MO 65453
Owner County Code: 55
Owner Phone: 8852277
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1998-11-23 00:00:00
Name of Person Editing Record: NRESSD

Tank ID: 8
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: 06/14/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 07/21/2004
Date Record Edited: 06/18/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 12/07/2004
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Approval Letter: Not reported
Firm Closing Tank: COMMONWEALTH CONSTRUCTION
Date Closure Report Received: 08/13/2004
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27320
Tank PK: 27320
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 1000
Substance: Unspecified Petroleum
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:

Facility Id: ST0011042
Tank Id: 1
Site Usage: Not reported
Risk Type: 6
Soil Type: 38
GW Flow: 13
Offsite Impact: 17
Free Product: 0
Drinking Water: 42
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

No Excavation: No

Facility Id: ST0011042
Tank Id: 2
Site Usage: Not reported
Risk Type: 6
Soil Type: 38
GW Flow: 13
Offsite Impact: 17
Free Product: 0
Drinking Water: 42
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0011042
Tank Id: 3
Site Usage: Not reported
Risk Type: 6
Soil Type: 38
GW Flow: 13
Offsite Impact: 17
Free Product: 0
Drinking Water: 42
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0011042
Tank Id: 4
Site Usage: Not reported
Risk Type: 6
Soil Type: 38
GW Flow: 13
Offsite Impact: 17
Free Product: 0
Drinking Water: 42
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0011042

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Tank Id: 5
Site Usage: Not reported
Risk Type: 6
Soil Type: 38
GW Flow: 13
Offsite Impact: 17
Free Product: 0
Drinking Water: 42
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0011042
Tank Id: 6
Site Usage: Not reported
Risk Type: 6
Soil Type: 38
GW Flow: 13
Offsite Impact: 17
Free Product: 0
Drinking Water: 42
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0011042
Tank Id: 7
Site Usage: Not reported
Risk Type: 6
Soil Type: 38
GW Flow: 13
Offsite Impact: 17
Free Product: 0
Drinking Water: 42
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0011042
Tank Id: 8
Site Usage: Not reported
Risk Type: 6

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

#520 SMITH 66 (Continued)

U003403218

Soil Type: 38
 GW Flow: 13
 Offsite Impact: 17
 Free Product: 0
 Drinking Water: 42
 Closed Under: Not reported
 No Drinking Wells: No
 No Buildings: No
 Vapor Barrier: 0
 St Louis Mo: No
 Special Well Area: No
 Surface Cap: No
 No Excavation: No

E18
SSE
 1/4-1/2
 0.456 mi.
 2406 ft.

STEWART APARTMENTS
TENTH AND STATE STREETS
ROLLA, MO 65401

LUST U003981126
UST N/A

Site 1 of 2 in cluster E

Relative:
Lower
Actual:
1123 ft.

LUST:
 Name: STEWART APARTMENTS
 Address: TENTH AND STATE STREETS
 City,State,Zip: ROLLA, MO 65401
 Facility ID: ST5800714
 Region: SE - Southeast Regional Office
 Lat/Long (dms): Not reported
 Spill Number: 940822-1431-BWH
 Release Date: 01/01/1994
 Release Type: UNDERGROUND STORAGE TANK
 Date Cleanup Started: 08/22/1994
 Date Cleanup Finished: 12/20/1994
 Expedited: No
 Expedited Date: Not reported
 Expenditures From The American Recovery and Reinvestment Act of 2009: No
 Reopened Date: Not reported
 Number Of Remediation Monitoring Wells: 0
 Active: No
Date Of NFA Letter From DNR: 1994-12-20 00:00:00
 Date Record Meets Archive Criteria: Not reported
 Remediation ID: R004888
 Rank: Not reported
 Emergency Response Date: Not reported
 Emergency Cleanup Start: Not reported
 Referred To DGLS for Investigation: Not reported
 Contractor Performing Clean Up: Not reported
 RBCA NFA: No
 Project Manager: L
 Next Correspondence/Update With Fac: Not reported
 Date Added: 06/30/1995
 Date Record Edited: 09/27/2017
 Person Adding Or Editing Record: LUTHER, L
 Facility Sent To State Archive: Yes
 Date Remediation Unit Closed The File: Not reported
 Site Affectd By Funding Level From PSTIF: No
 General Comments: 12-19-94 - JM - RECEIVED 12/12/94 WASTE DISPOSAL MANIFEST.
 SITE CLOSED.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

STEWART APARTMENTS (Continued)

U003981126

UST:

| | |
|-------------------------------|-------------------------|
| Facility ID: | ST5800714 |
| Region: | SE |
| Easting: | 607570.253 |
| Northing: | 4201100.77 |
| Owner Of Geospatial Data: | Hazardous Waste Program |
| Geospatial Data Collected By: | CON_Fortin,Joel |
| Date GIS Data Collected: | 02/17/2014 |
| Lat/Long: | 37.95146 / -91.77548 |
| Lat/Long (dms): | Not reported |

Tanks:

Owner:

| | |
|--------------------------------|--------------|
| Owner ID: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City,St,Zip: | Not reported |
| Owner County Code: | Not reported |
| Owner Phone: | Not reported |
| Mail Was Not Deliverable: | Not reported |
| Is Owner Active?: | Not reported |
| Date Registration Received: | Not reported |
| Date Record Added: | Not reported |
| Date Record Edited: | Not reported |
| Name of Person Editing Record: | Not reported |

| | |
|--|---------------------|
| Tank ID: | Not reported |
| Tank Double Wall: | Not reported |
| Tank Type: | Not reported |
| Tank Status: | Not reported |
| Meet 98 Update Requirements: | Not reported |
| Date Tank Installed: | Not reported |
| Tank Material: | Not reported |
| Code for Tank Material Manufacturer: | Not reported |
| Code for Tank Installer: | Not reported |
| Other Type Of Tank Material: | Not reported |
| Tank Internal Protection: | Not reported |
| Other Tank Internal Protection: | Not reported |
| Tank Internal Protection Date: | Not reported |
| Tank External Protection: | Not reported |
| Other Type Tank Extrn Protec: | Not reported |
| Tank External Protec Date: | Not reported |
| Date Tank Last Used: | Not reported |
| Date Tank Permanently Closed/ Removed: | Not reported |
| Dt Tk Exp Brought InUse/Internal Tracking: | Not reported |
| Tank Fees Waived: | Not reported |
| Expedite Closure On Tank?: | Not reported |
| Responsible Person Expediting Closure: | Not reported |
| Temporary Status Verified Date: | Not reported |
| Admin Fee 585: | Not reported |
| Date Administratively Closed: | Not reported |
| Date Record Added: | Not reported |
| Date Record Edited: | Not reported |
| Person Adding/Editing Record: | Not reported |
| Date Of NFA Letter: | Not reported |
| Is Tank Used For Emergency Generator: | Not reported |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

STEWART APARTMENTS (Continued)

U003981126

| | |
|-------------------------------|--------------|
| Date Closure Notice Received: | Not reported |
| Date Of Approval Letter: | Not reported |
| Firm Closing Tank: | Not reported |
| Date Closure Report Received: | Not reported |
| Registration End Date: | Not reported |
| LockOut Flag: | Not reported |
| Comments: | Not reported |

Tank Aug 2011:

| | |
|--------------------|--------------|
| Facility Id: | ST5800714 |
| Tank Id: | Not reported |
| Site Usage: | Not reported |
| Risk Type: | Not reported |
| Soil Type: | Not reported |
| GW Flow: | Not reported |
| Offsite Impact: | Not reported |
| Free Product: | Not reported |
| Drinking Water: | Not reported |
| Closed Under: | Not reported |
| No Drinking Wells: | Not reported |
| No Buildings: | Not reported |
| Vapor Barrier: | Not reported |
| St Louis Mo: | Not reported |
| Special Well Area: | Not reported |
| Surface Cap: | Not reported |
| No Excavation: | Not reported |

E19
SSE
 1/4-1/2
 0.456 mi.
 2406 ft.

STEWART APARTMENTS
TENTH & STATE STREETS
ROLLA, MO

RGA LUST **S116106733**
 N/A

Site 2 of 2 in cluster E

Relative:
Lower
Actual:
1123 ft.

RGA LUST:

| | | |
|------|--------------------|-----------------------|
| 2012 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2011 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2010 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2008 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2007 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2006 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2005 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2004 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2003 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2002 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 2000 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 1999 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 1998 | STEWART APARTMENTS | TENTH & STATE STREETS |
| 1997 | STEWART APARTMENTS | TENTH & STATE STREETS |

Count: 3 records.

ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|-------|------------|-------------------------|---------------------------|-------|--------------|
| ROLLA | 1003862188 | POWERSVILLE OUTER ROAD | I-44 AT EXIT 169 | 65402 | SEMS-ARCHIVE |
| ROLLA | S108945652 | CHYMIAK INVESTMENTS INC | 700-708 S BISHOP | 65401 | LAST |
| ROLLA | 1003876611 | SARCHET, B R ARENA | OLD HWY 63 8 MI N OF I-44 | 65401 | SEMS-ARCHIVE |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

| | |
|---|--|
| Date of Government Version: 01/25/2022 | Source: EPA |
| Date Data Arrived at EDR: 02/03/2022 | Telephone: N/A |
| Date Made Active in Reports: 02/22/2022 | Last EDR Contact: 05/05/2022 |
| Number of Days to Update: 19 | Next Scheduled EDR Contact: 07/11/2022 |
| | Data Release Frequency: Quarterly |

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

| | |
|---|--|
| Date of Government Version: 01/25/2022 | Source: EPA |
| Date Data Arrived at EDR: 02/03/2022 | Telephone: N/A |
| Date Made Active in Reports: 02/22/2022 | Last EDR Contact: 05/05/2022 |
| Number of Days to Update: 19 | Next Scheduled EDR Contact: 07/11/2022 |
| | Data Release Frequency: Quarterly |

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| | |
|---|--|
| Date of Government Version: 01/25/2022 | Source: EPA |
| Date Data Arrived at EDR: 02/03/2022 | Telephone: N/A |
| Date Made Active in Reports: 02/22/2022 | Last EDR Contact: 05/05/2022 |
| Number of Days to Update: 19 | Next Scheduled EDR Contact: 07/11/2022 |
| | Data Release Frequency: Quarterly |

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

| | |
|---|---|
| Date of Government Version: 05/25/2021 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 06/24/2021 | Telephone: 703-603-8704 |
| Date Made Active in Reports: 09/20/2021 | Last EDR Contact: 04/01/2022 |
| Number of Days to Update: 88 | Next Scheduled EDR Contact: 07/11/2022 |
| | Data Release Frequency: Varies |

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

| | |
|---|--|
| Date of Government Version: 01/25/2022 | Source: EPA |
| Date Data Arrived at EDR: 02/03/2022 | Telephone: 800-424-9346 |
| Date Made Active in Reports: 02/22/2022 | Last EDR Contact: 05/05/2022 |
| Number of Days to Update: 19 | Next Scheduled EDR Contact: 07/25/2022 |
| | Data Release Frequency: Quarterly |

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

| | |
|---|--|
| Date of Government Version: 01/25/2022 | Source: EPA |
| Date Data Arrived at EDR: 02/03/2022 | Telephone: 800-424-9346 |
| Date Made Active in Reports: 02/22/2022 | Last EDR Contact: 05/05/2022 |
| Number of Days to Update: 19 | Next Scheduled EDR Contact: 07/25/2022 |
| | Data Release Frequency: Quarterly |

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

| | |
|---|---|
| Date of Government Version: 11/19/2021 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/19/2021 | Telephone: 703-603-0695 |
| Date Made Active in Reports: 02/14/2022 | Last EDR Contact: 02/23/2022 |
| Number of Days to Update: 87 | Next Scheduled EDR Contact: 06/06/2022 |
| | Data Release Frequency: Varies |

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

| | |
|---|---|
| Date of Government Version: 11/19/2021 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/19/2021 | Telephone: 703-603-0695 |
| Date Made Active in Reports: 02/14/2022 | Last EDR Contact: 02/23/2022 |
| Number of Days to Update: 87 | Next Scheduled EDR Contact: 06/06/2022 |
| | Data Release Frequency: Varies |

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

| | |
|---|---|
| Date of Government Version: 12/31/2021 | Source: National Response Center, United States Coast Guard |
| Date Data Arrived at EDR: 03/01/2022 | Telephone: 202-267-2180 |
| Date Made Active in Reports: 03/10/2022 | Last EDR Contact: 03/22/2022 |
| Number of Days to Update: 9 | Next Scheduled EDR Contact: 07/04/2022 |
| | Data Release Frequency: Quarterly |

Lists of state- and tribal hazardous waste facilities

SHWS: Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

| | |
|---|---|
| Date of Government Version: 09/21/2020 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 09/23/2020 | Telephone: 573-751-1990 |
| Date Made Active in Reports: 12/15/2020 | Last EDR Contact: 03/07/2022 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 06/20/2022 |
| | Data Release Frequency: Annually |

HWS DETAIL: Registry Annual Report

Each site is described in detail in this annual report and included the following information: a general description of the site; a summary of any significant environmental problems at and near the site; a summary of any serious health problems in the immediate vicinity of the site; the status of any testing, monitoring or remedial actions in progress or recommended by the department.

| | |
|---|---|
| Date of Government Version: 06/30/2021 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 02/25/2022 | Telephone: 573-751-3176 |
| Date Made Active in Reports: 05/20/2022 | Last EDR Contact: 02/22/2022 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 06/06/2022 |
| | Data Release Frequency: Annually |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Solid Waste Facility List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

| | |
|---|---|
| Date of Government Version: 02/22/2022 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 02/23/2022 | Telephone: 573-751-5401 |
| Date Made Active in Reports: 05/20/2022 | Last EDR Contact: 02/23/2022 |
| Number of Days to Update: 86 | Next Scheduled EDR Contact: 06/06/2022 |
| | Data Release Frequency: Varies |

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

| | |
|---|---|
| Date of Government Version: 11/29/2021 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 12/08/2021 | Telephone: 573-751-0135 |
| Date Made Active in Reports: 02/24/2022 | Last EDR Contact: 03/09/2022 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 06/20/2022 |
| | Data Release Frequency: Quarterly |

LAST: Leaking Aboveground Storage Tanks

A listing of leaking aboveground storage tanks.

| | |
|---|---|
| Date of Government Version: 11/29/2021 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 12/08/2021 | Telephone: 573-751-6822 |
| Date Made Active in Reports: 02/24/2022 | Last EDR Contact: 03/09/2022 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 06/20/2022 |
| | Data Release Frequency: Quarterly |

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

| | |
|---|--|
| Date of Government Version: 10/12/2021 | Source: EPA Region 7 |
| Date Data Arrived at EDR: 11/15/2021 | Telephone: 913-551-7003 |
| Date Made Active in Reports: 02/08/2022 | Last EDR Contact: 04/21/2022 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

| | |
|---|--|
| Date of Government Version: 10/12/2021 | Source: EPA Region 8 |
| Date Data Arrived at EDR: 11/15/2021 | Telephone: 303-312-6271 |
| Date Made Active in Reports: 02/08/2022 | Last EDR Contact: 04/21/2022 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

| | |
|---|---|
| Date of Government Version: 10/12/2021 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/15/2021 | Telephone: 415-972-3372 |
| Date Made Active in Reports: 02/08/2022 | Last EDR Contact: 04/21/2022 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

| | |
|---|--|
| Date of Government Version: 10/12/2021 | Source: EPA Region 10 |
| Date Data Arrived at EDR: 11/15/2021 | Telephone: 206-553-2857 |
| Date Made Active in Reports: 02/08/2022 | Last EDR Contact: 04/21/2022 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

| | |
|---|--|
| Date of Government Version: 10/12/2021 | Source: EPA, Region 5 |
| Date Data Arrived at EDR: 11/15/2021 | Telephone: 312-886-7439 |
| Date Made Active in Reports: 02/08/2022 | Last EDR Contact: 04/21/2022 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

| | |
|---|--|
| Date of Government Version: 10/12/2021 | Source: EPA Region 6 |
| Date Data Arrived at EDR: 11/15/2021 | Telephone: 214-665-6597 |
| Date Made Active in Reports: 02/08/2022 | Last EDR Contact: 04/21/2022 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

| | |
|---|--|
| Date of Government Version: 04/28/2021 | Source: EPA Region 1 |
| Date Data Arrived at EDR: 06/11/2021 | Telephone: 617-918-1313 |
| Date Made Active in Reports: 09/07/2021 | Last EDR Contact: 04/21/2022 |
| Number of Days to Update: 88 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

| | |
|---|--|
| Date of Government Version: 05/28/2021 | Source: EPA Region 4 |
| Date Data Arrived at EDR: 06/22/2021 | Telephone: 404-562-8677 |
| Date Made Active in Reports: 09/20/2021 | Last EDR Contact: 04/21/2022 |
| Number of Days to Update: 90 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

| | |
|---|--|
| Date of Government Version: 10/14/2021 | Source: FEMA |
| Date Data Arrived at EDR: 11/05/2021 | Telephone: 202-646-5797 |
| Date Made Active in Reports: 02/01/2022 | Last EDR Contact: 04/04/2022 |
| Number of Days to Update: 88 | Next Scheduled EDR Contact: 07/18/2022 |
| | Data Release Frequency: Varies |

UST: Petroleum Storage Tanks
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/29/2021
Date Data Arrived at EDR: 12/08/2021
Date Made Active in Reports: 02/24/2022
Number of Days to Update: 78

Source: Department of Natural Resources
Telephone: 573-751-0135
Last EDR Contact: 03/09/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

AST: Aboveground Petroleum Storage Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 02/22/2022
Date Data Arrived at EDR: 02/24/2022
Date Made Active in Reports: 05/20/2022
Number of Days to Update: 85

Source: Department of Agriculture
Telephone: 573-751-7062
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Sites with Controls

Activity and use limitations include both engineering controls and institutional controls.

Date of Government Version: 02/07/2022
Date Data Arrived at EDR: 02/08/2022
Date Made Active in Reports: 05/05/2022
Number of Days to Update: 86

Source: Department of Natural Resources
Telephone: 573-751-3176
Last EDR Contact: 05/09/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

VCP: Sites Participating in the Voluntary Cleanup Program

Sites participating in the Voluntary Cleanup Program.

Date of Government Version: 02/07/2022
Date Data Arrived at EDR: 02/08/2022
Date Made Active in Reports: 05/05/2022
Number of Days to Update: 86

Source: Department of Natural Resources
Telephone: 573-526-8913
Last EDR Contact: 05/09/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS: Brownfields Site List

Brownfields are sites where redevelopment and reuse is hampered by known or suspected contamination with hazardous substances. While many brownfield sites are minimally contaminated, potential environmental liability can be a problem for owners, operators, prospective buyers and financial institutions. Because of the large number of these sites, their economic impact especially in heavily industrial areas is substantial.

Date of Government Version: 02/07/2022
Date Data Arrived at EDR: 02/08/2022
Date Made Active in Reports: 05/05/2022
Number of Days to Update: 86

Source: Department of Natural Resources
Telephone: 573-526-8913
Last EDR Contact: 05/09/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/15/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Solid Waste Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/04/2021
Number of Days to Update: 78

Source: Department of Natural Resources
Telephone: 573-526-3944
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

HIST LF: Solid Waste Facility Database List

This database contains detailed information per site. It is no longer maintained by the Department of Natural Resources. For current information on solid waste facilities/landfills see the SWF/LF database.

Date of Government Version: 04/12/2005
Date Data Arrived at EDR: 07/19/2006
Date Made Active in Reports: 08/18/2006
Number of Days to Update: 30

Source: Department of Natural Resources
Telephone: 573-751-5401
Last EDR Contact: 01/12/2009
Next Scheduled EDR Contact: 04/13/2009
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

CDL: Environmental Emergency Response System

Incidents reported to the Department of Natural Resources where drug lab materials were involved.

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/07/2021
Date Made Active in Reports: 09/01/2021
Number of Days to Update: 86

Source: Department of Natural Resources
Telephone: 573-751-3443
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

DEL SHWS: Registry Sites Withdrawn or Deleted

A list of sites that were removed from the Registry or for which Registry action was suspended due to cleanup.

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/23/2020
Date Made Active in Reports: 12/15/2020
Number of Days to Update: 83

Source: Department of Natural Resources
Telephone: 573-522-3710
Last EDR Contact: 03/07/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Annually

PFAS: PFAS Detections

PFAS detection list

Date of Government Version: 04/05/2021
Date Data Arrived at EDR: 05/25/2021
Date Made Active in Reports: 08/16/2021
Number of Days to Update: 83

Source: Department of Natural Resources
Telephone: 517-751-9857
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/15/2021
Date Data Arrived at EDR: 12/16/2021
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 84

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

SPILLS: Environmental Response Tracking Database

Releases of hazardous substances reported to the department's Environmental Emergency Response (EER) section.

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/07/2021
Date Made Active in Reports: 09/01/2021
Number of Days to Update: 86

Source: Department of Natural Resources
Telephone: 573-526-3349
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

| | |
|---|---|
| Date of Government Version: 02/28/2022 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/02/2022 | Telephone: 913-551-7003 |
| Date Made Active in Reports: 03/17/2022 | Last EDR Contact: 04/06/2022 |
| Number of Days to Update: 15 | Next Scheduled EDR Contact: 07/04/2022 |
| | Data Release Frequency: Quarterly |

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

| | |
|---|--|
| Date of Government Version: 04/02/2018 | Source: U.S. Geological Survey |
| Date Data Arrived at EDR: 04/11/2018 | Telephone: 888-275-8747 |
| Date Made Active in Reports: 11/06/2019 | Last EDR Contact: 04/05/2022 |
| Number of Days to Update: 574 | Next Scheduled EDR Contact: 07/18/2022 |
| | Data Release Frequency: N/A |

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

| | |
|---|---|
| Date of Government Version: 12/13/2021 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/17/2021 | Telephone: 202-566-1917 |
| Date Made Active in Reports: 03/17/2022 | Last EDR Contact: 03/21/2022 |
| Number of Days to Update: 90 | Next Scheduled EDR Contact: 07/04/2022 |
| | Data Release Frequency: Quarterly |

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

| | |
|---|---|
| Date of Government Version: 08/30/2013 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/21/2014 | Telephone: 617-520-3000 |
| Date Made Active in Reports: 06/17/2014 | Last EDR Contact: 04/28/2022 |
| Number of Days to Update: 88 | Next Scheduled EDR Contact: 08/15/2022 |
| | Data Release Frequency: Quarterly |

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

| | |
|---|---|
| Date of Government Version: 09/30/2017 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 05/08/2018 | Telephone: 703-308-4044 |
| Date Made Active in Reports: 07/20/2018 | Last EDR Contact: 05/06/2022 |
| Number of Days to Update: 73 | Next Scheduled EDR Contact: 08/15/2022 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

| | |
|---|--|
| Date of Government Version: 12/31/2016 | Source: EPA |
| Date Data Arrived at EDR: 06/17/2020 | Telephone: 202-260-5521 |
| Date Made Active in Reports: 09/10/2020 | Last EDR Contact: 03/18/2022 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 06/27/2022 |
| | Data Release Frequency: Every 4 Years |

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

| | |
|---|--|
| Date of Government Version: 12/31/2018 | Source: EPA |
| Date Data Arrived at EDR: 08/14/2020 | Telephone: 202-566-0250 |
| Date Made Active in Reports: 11/04/2020 | Last EDR Contact: 05/20/2022 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 08/29/2022 |
| | Data Release Frequency: Annually |

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

| | |
|---|--|
| Date of Government Version: 01/25/2022 | Source: EPA |
| Date Data Arrived at EDR: 02/03/2022 | Telephone: 703-416-0223 |
| Date Made Active in Reports: 02/22/2022 | Last EDR Contact: 05/05/2022 |
| Number of Days to Update: 19 | Next Scheduled EDR Contact: 06/13/2022 |
| | Data Release Frequency: Annually |

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

| | |
|---|---|
| Date of Government Version: 04/27/2022 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 05/04/2022 | Telephone: 202-564-8600 |
| Date Made Active in Reports: 05/10/2022 | Last EDR Contact: 04/18/2022 |
| Number of Days to Update: 6 | Next Scheduled EDR Contact: 08/01/2022 |
| | Data Release Frequency: Varies |

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

| | |
|---|--|
| Date of Government Version: 01/25/2022 | Source: EPA |
| Date Data Arrived at EDR: 02/03/2022 | Telephone: 202-564-6023 |
| Date Made Active in Reports: 02/25/2022 | Last EDR Contact: 05/05/2022 |
| Number of Days to Update: 22 | Next Scheduled EDR Contact: 08/15/2022 |
| | Data Release Frequency: Quarterly |

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Annually

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/06/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 70

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Biennially

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

| | |
|---|---|
| Date of Government Version: 01/25/2022 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 02/03/2022 | Telephone: 703-603-8787 |
| Date Made Active in Reports: 02/22/2022 | Last EDR Contact: 05/05/2022 |
| Number of Days to Update: 19 | Next Scheduled EDR Contact: 07/11/2022 |
| | Data Release Frequency: Varies |

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

| | |
|---|---|
| Date of Government Version: 04/05/2001 | Source: American Journal of Public Health |
| Date Data Arrived at EDR: 10/27/2010 | Telephone: 703-305-6451 |
| Date Made Active in Reports: 12/02/2010 | Last EDR Contact: 12/02/2009 |
| Number of Days to Update: 36 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: No Update Planned |

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

| | |
|---|--|
| Date of Government Version: 10/12/2016 | Source: EPA |
| Date Data Arrived at EDR: 10/26/2016 | Telephone: 202-564-2496 |
| Date Made Active in Reports: 02/03/2017 | Last EDR Contact: 09/26/2017 |
| Number of Days to Update: 100 | Next Scheduled EDR Contact: 01/08/2018 |
| | Data Release Frequency: Annually |

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

| | |
|---|--|
| Date of Government Version: 10/12/2016 | Source: EPA |
| Date Data Arrived at EDR: 10/26/2016 | Telephone: 202-564-2496 |
| Date Made Active in Reports: 02/03/2017 | Last EDR Contact: 09/26/2017 |
| Number of Days to Update: 100 | Next Scheduled EDR Contact: 01/08/2018 |
| | Data Release Frequency: Annually |

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

| | |
|---|--|
| Date of Government Version: 12/14/2021 | Source: Department of Interior |
| Date Data Arrived at EDR: 12/15/2021 | Telephone: 202-208-2609 |
| Date Made Active in Reports: 03/10/2022 | Last EDR Contact: 03/04/2022 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 06/20/2022 |
| | Data Release Frequency: Quarterly |

FINDS: Facility Index System/Facility Registry System

Facility Index System, FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 95

Source: EPA
Telephone: (913) 551-7003
Last EDR Contact: 05/18/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/12/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/17/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 82

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Quarterly

AIRS: Permit Facility Listing

A listing of Air Pollution Control Program permits.

Date of Government Version: 11/01/2021
Date Data Arrived at EDR: 11/29/2021
Date Made Active in Reports: 02/24/2022
Number of Days to Update: 87

Source: Department of Natural Resources
Telephone: 573-751-4817
Last EDR Contact: 05/02/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing

The department requires notification of demolitions and abatement projects involving regulated structures at least 10 working days before crews begin a project.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 01/05/2022
Date Made Active in Reports: 03/22/2022
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: 573-751-4817
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH: Coal Ash Disposal Sites

A listing of power plants with coal ash ponds.

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 02/01/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: 573-526-1825
Last EDR Contact: 03/23/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: No Update Planned

DRYCLEANERS: Drycleaners in Missouri Listing

A listing of drycleaner facilities that are potentially eligible for reimbursement of department approved cleanup costs under the Drycleaning Environmental Response Trust Fund.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/13/2017
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 36

Source: Department of Natural Resources
Telephone: 573-526-8913
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 01/11/2022
Date Data Arrived at EDR: 01/13/2022
Date Made Active in Reports: 03/23/2022
Number of Days to Update: 69

Source: Department of Natural Resources
Telephone: 573-751-3553
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Annually

Financial Assurance 2: Financial Assurance Information Listing

Financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 82

Source: Department of Natural Resources
Telephone: 573-751-5401
Last EDR Contact: 03/03/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

MINES: Industrial Mineral Mines Database

This data set contains names, locations and additional data for active Industrial Mineral Mines permitted with the Missouri Department of Natural Resources, Division of Environmental Quality, Land Reclamation Program. Industrial Mineral Mines permitted are rock quarries, clay pits, sand and gravel pits, or in-stream sand and gravel operations.

Date of Government Version: 04/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 10/07/2021
Number of Days to Update: 85

Source: Department of Natural Resources
Telephone: 573-751-4041
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

NPDES: Permitted Facility Listing

A listing of permitted facilities from the Water Pollution Branch.

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/09/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 80

Source: Department of Natural Resources
Telephone: 573-751-7023
Last EDR Contact: 03/23/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RRC: Certified Hazardous Waste Resource Recovery Facilities

Facilities that take hazardous waste material, either from on-site or off-site, and make it re-usable.

| | |
|---|---|
| Date of Government Version: 09/30/2020 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 10/06/2020 | Telephone: 573-751-3176 |
| Date Made Active in Reports: 12/28/2020 | Last EDR Contact: 03/07/2022 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 06/20/2022 |
| | Data Release Frequency: Annually |

SMARS: Site Management and Reporting System

SMARS currently houses information for Superfund, Federal Facility, Brownfields Voluntary Cleanup Program and Missouri's other state response programs.

| | |
|---|---|
| Date of Government Version: 01/03/2022 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 01/26/2022 | Telephone: 573-751-3043 |
| Date Made Active in Reports: 04/20/2022 | Last EDR Contact: 04/27/2022 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 08/08/2022 |
| | Data Release Frequency: Quarterly |

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

| | |
|---|---|
| Date of Government Version: 01/11/2022 | Source: Department of Natural Resources |
| Date Data Arrived at EDR: 02/15/2022 | Telephone: 573-368-2183 |
| Date Made Active in Reports: 05/12/2022 | Last EDR Contact: 05/20/2022 |
| Number of Days to Update: 86 | Next Scheduled EDR Contact: 08/29/2022 |
| | Data Release Frequency: Semi-Annually |

PCS ENF: Enforcement data

No description is available for this data

| | |
|---|--|
| Date of Government Version: 12/31/2014 | Source: EPA |
| Date Data Arrived at EDR: 02/05/2015 | Telephone: 202-564-2497 |
| Date Made Active in Reports: 03/06/2015 | Last EDR Contact: 03/31/2022 |
| Number of Days to Update: 29 | Next Scheduled EDR Contact: 07/18/2022 |
| | Data Release Frequency: Varies |

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

| | |
|---|--|
| Date of Government Version: 11/05/2014 | Source: EPA |
| Date Data Arrived at EDR: 01/06/2015 | Telephone: 202-564-2496 |
| Date Made Active in Reports: 05/06/2015 | Last EDR Contact: 03/31/2022 |
| Number of Days to Update: 120 | Next Scheduled EDR Contact: 07/18/2022 |
| | Data Release Frequency: Semi-Annually |

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

| | |
|---|--|
| Date of Government Version: 07/14/2011 | Source: EPA, Office of Water |
| Date Data Arrived at EDR: 08/05/2011 | Telephone: 202-564-2496 |
| Date Made Active in Reports: 09/29/2011 | Last EDR Contact: 03/31/2022 |
| Number of Days to Update: 55 | Next Scheduled EDR Contact: 07/18/2022 |
| | Data Release Frequency: Semi-Annually |

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/03/2021
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/06/2022
Number of Days to Update: 84

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/09/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/16/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Child Care Facilities

Source: Department of Health & Senior Services

Telephone: 573-751-2450

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: National Wetland Inventory of Missouri

Source: Department of Natural Resources

Telephone: 573-751-5110

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MISSOURI S & T BUILDINGS
1001 COLLEGIATE BOULEVARD
ROLLA, MO 65401

TARGET PROPERTY COORDINATES

| | |
|-------------------------------|----------------------------|
| Latitude (North): | 37.957923 - 37° 57' 28.52" |
| Longitude (West): | 91.779882 - 91° 46' 47.58" |
| Universal Tranverse Mercator: | Zone 15 |
| UTM X (Meters): | 607188.9 |
| UTM Y (Meters): | 4201643.0 |
| Elevation: | 1183 ft. above sea level |

USGS TOPOGRAPHIC MAP

| | |
|----------------------|--------------------|
| Target Property Map: | 10333036 ROLLA, MO |
| Version Date: | 2017 |

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

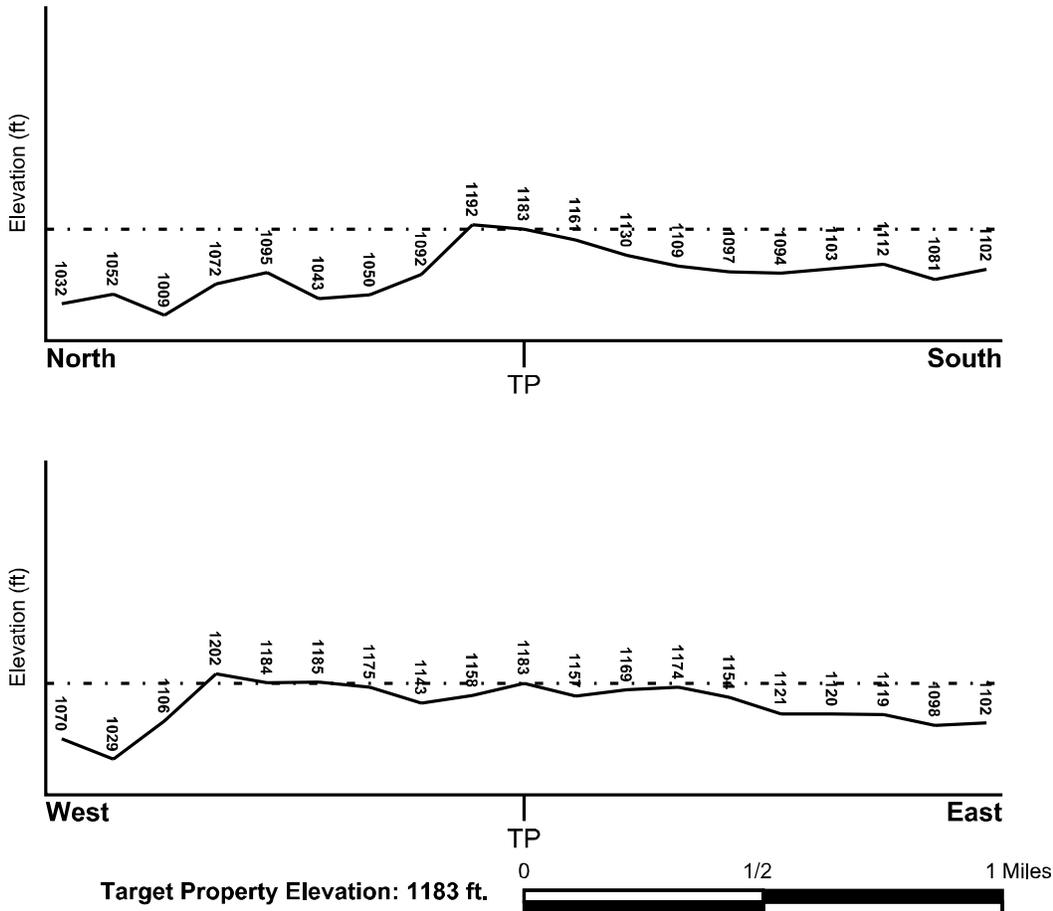
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

| | |
|---|-------------------------|
| <u>Flood Plain Panel at Target Property</u> | <u>FEMA Source Type</u> |
| 29161C0234D | FEMA FIRM Flood data |
| <u>Additional Panels in search area:</u> | <u>FEMA Source Type</u> |
| 29161C0250D | FEMA FIRM Flood data |
| 29161C0232D | FEMA FIRM Flood data |
| 29161C0233D | FEMA FIRM Flood data |

NATIONAL WETLAND INVENTORY

| | |
|------------------------------------|--|
| <u>NWI Quad at Target Property</u> | <u>NWI Electronic Data Coverage</u> |
| ROLLA | YES - refer to the Overview Map and Detail Map |

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

| | | |
|---------------|-------------------------|---|
| <u>MAP ID</u> | <u>LOCATION FROM TP</u> | <u>GENERAL DIRECTION GROUNDWATER FLOW</u> |
| Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

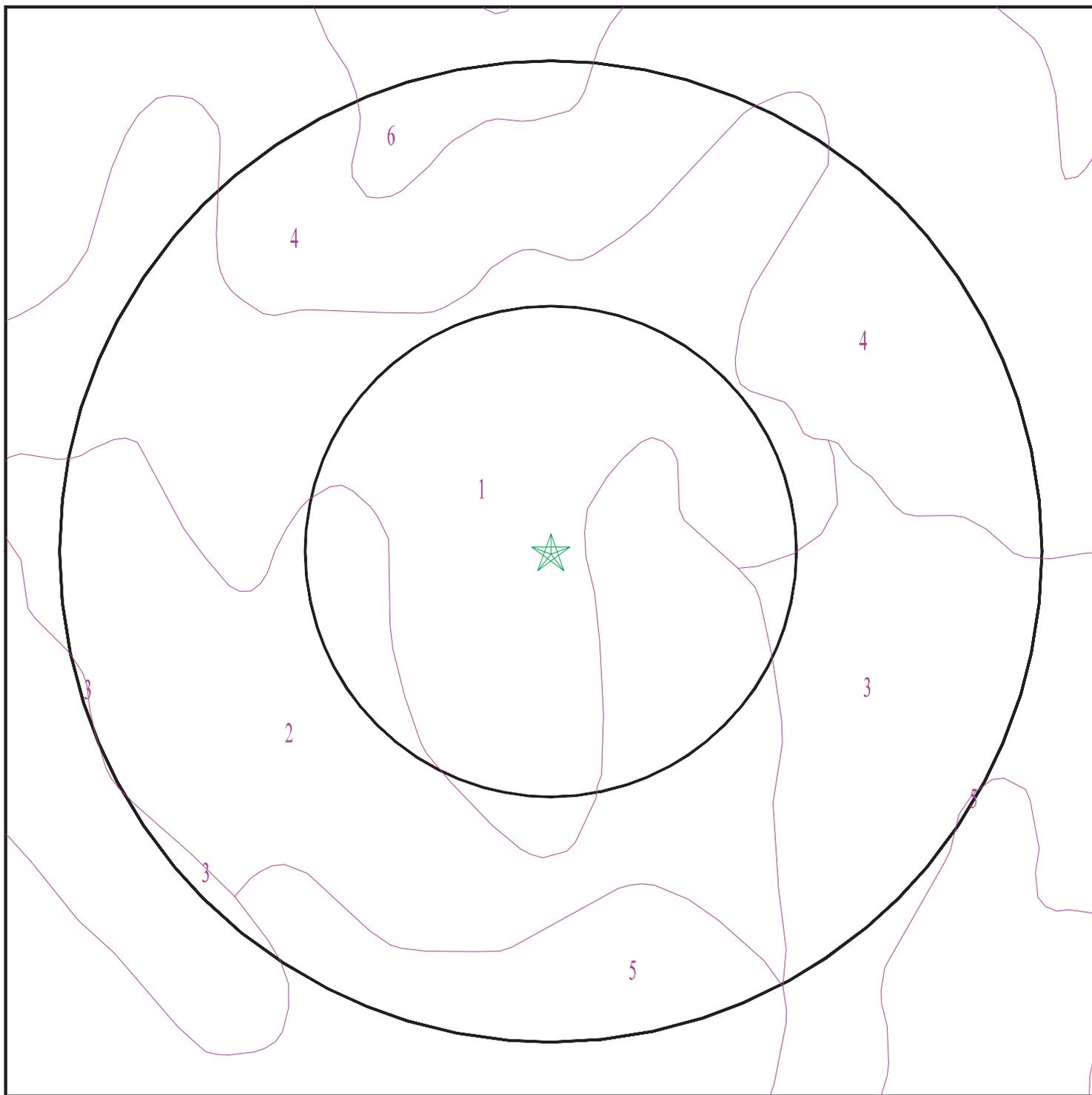
| | |
|---------|--|
| Era: | Paleozoic |
| System: | Ordovician |
| Series: | Lower Ordovician (Canadian) |
| Code: | O1b (<i>decoded above as Era, System & Series</i>) |

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 06993336.2r



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Missouri S & T Buildings
ADDRESS: 1001 Collegiate Boulevard
Rolla MO 65401
LAT/LONG: 37.957923 / 91.779882

CLIENT: Environmental Operations, Inc.
CONTACT: Alexandria Algieri
INQUIRY #: 06993336.2r
DATE: May 24, 2022 4:38 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Useful

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 71 inches

Depth to Watertable Min: > 69 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|----------------|--------------|--|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | silt loam | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 2 | 7 inches | 31 inches | silty clay | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 3 | 31 inches | 44 inches | silty clay | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 4 | 44 inches | 53 inches | silty clay | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 5 | 53 inches | 59 inches | bedrock | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |

Soil Map ID: 2

Soil Component Name: Viraton

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 48 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|------------------------------|----------------|--------------|---|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 3 inches | silt loam | Not reported | Not reported | Max: 0.42 Min: 0.14 | Max: 5.5 Min: 3.5 |
| 2 | 3 inches | 7 inches | silt loam | Not reported | Not reported | Max: 0.42 Min: 0.14 | Max: 5.5 Min: 3.5 |
| 3 | 7 inches | 22 inches | gravelly silty clay loam | Not reported | Not reported | Max: 0.42 Min: 0.14 | Max: 5.5 Min: 3.5 |
| 4 | 48 inches | 59 inches | clay | Not reported | Not reported | Max: 0.42 Min: 0.14 | Max: 5.5 Min: 3.5 |
| 5 | 22 inches | 48 inches | extremely gravelly silt loam | Not reported | Not reported | Max: 0.42 Min: 0.14 | Max: 5.5 Min: 3.5 |

Soil Map ID: 3

Soil Component Name: Union

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 48 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|------------------------------|----------------|---|---|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 9 inches | silt loam | Not reported | FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay. | Max: 4 Min: 1.4 | Max: 6.5 Min: 4.5 |
| 2 | 9 inches | 29 inches | silty clay loam | Not reported | FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay. | Max: 4 Min: 1.4 | Max: 6.5 Min: 4.5 |
| 3 | 29 inches | 53 inches | extremely gravelly silt loam | Not reported | FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay. | Max: 4 Min: 1.4 | Max: 6.5 Min: 4.5 |
| 4 | 53 inches | 79 inches | clay | Not reported | FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay. | Max: 4 Min: 1.4 | Max: 6.5 Min: 4.5 |

Soil Map ID: 4

Soil Component Name: Beemont

Soil Surface Texture: gravelly silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 71 inches

Depth to Watertable Min: > 69 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|----------------|--------------|---|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 3 inches | gravelly silt loam | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 2 | 3 inches | 11 inches | gravelly silt loam | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 3 | 11 inches | 59 inches | clay | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 4 | 59 inches | 79 inches | bedrock | Not reported | Not reported | Max: 0.11 Min: 0 | Max: Min: |

Soil Map ID: 5

Soil Component Name: Hartville

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

| Soil Layer Information | | | | | | | |
|------------------------|----------|-----------|--------------------|--|---|---|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.4 Min: 0.42 | Max: 8.4 Min: 5.6 |
| 2 | 7 inches | 11 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.4 Min: 0.42 | Max: 8.4 Min: 5.6 |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|--|--|--|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 3 | 11 inches | 48 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils. | Max: 1.4 Min: 0.42 | Max: 8.4 Min: 5.6 |
| 4 | 48 inches | 79 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils. | Max: 1.4 Min: 0.42 | Max: 8.4 Min: 5.6 |

Soil Map ID: 6

Soil Component Name: Gatewood

Soil Surface Texture: very gravelly silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 71 inches

Depth to Watertable Min: > 69 inches

| Soil Layer Information | | | | | | | |
|------------------------|----------|----------|-------------------------|---|--------------|--|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 1 inches | very gravelly silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | Not reported | Max: 0.11 Min: 0 | Max: Min: |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|-------------------------|---|--------------|---|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 2 | 1 inches | 9 inches | very gravelly silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 3 | 9 inches | 27 inches | clay | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | Not reported | Max: 0.11 Min: 0 | Max: Min: |
| 4 | 27 inches | 59 inches | bedrock | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | Not reported | Max: 0.11 Min: 0 | Max: Min: |

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

| <u>DATABASE</u> | <u>SEARCH DISTANCE (miles)</u> |
|------------------|--------------------------------|
| Federal USGS | 1.000 |
| Federal FRDS PWS | Nearest PWS within 1 mile |
| State Database | 1.000 |

FEDERAL USGS WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> | <u>LOCATION FROM TP</u> |
|---------------|-----------------|-------------------------|
| A1 | USGS40000691573 | 1/8 - 1/4 Mile WNW |
| B4 | USGS40000691591 | 1/4 - 1/2 Mile NW |
| G20 | USGS40000691548 | 1/2 - 1 Mile SW |
| F23 | USGS40000691613 | 1/2 - 1 Mile North |
| K42 | USGS40000691534 | 1/2 - 1 Mile SSE |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|--------|-----------------|--------------------|
| K43 | USGS40000691539 | 1/2 - 1 Mile SSE |
| L46 | USGS40000691527 | 1/2 - 1 Mile South |
| M54 | USGS40000691568 | 1/2 - 1 Mile East |

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|--------|-----------|--------------------|
| F18 | MO3048127 | 1/2 - 1 Mile North |

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

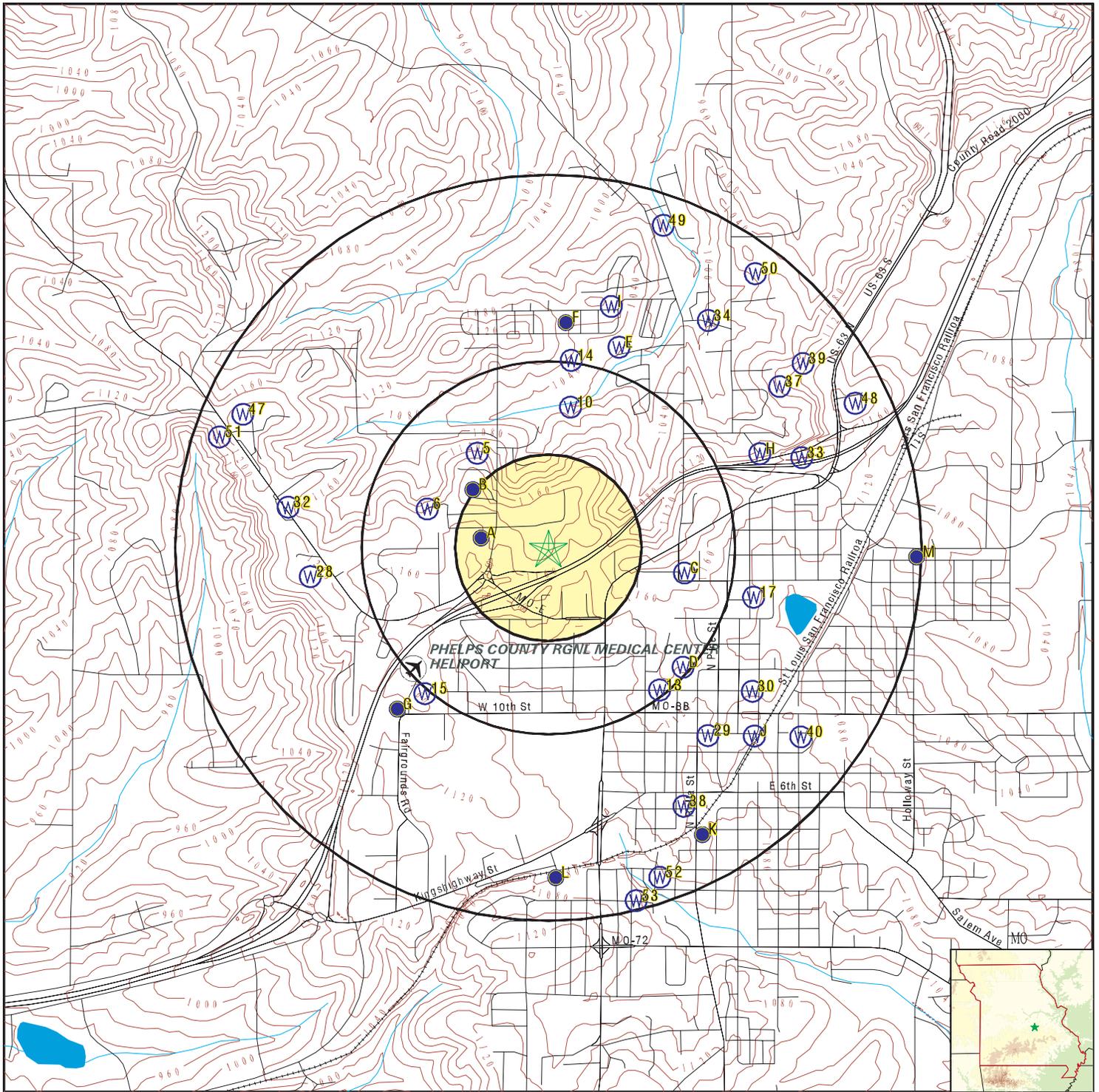
| MAP ID | WELL ID | LOCATION FROM TP |
|--------|-----------------|----------------------|
| A2 | MOLOG1000011316 | 1/8 - 1/4 Mile West |
| B3 | MOLOG1000011336 | 1/8 - 1/4 Mile WNW |
| 5 | MOLOG1000011349 | 1/4 - 1/2 Mile NW |
| 6 | MOLOG1000011334 | 1/4 - 1/2 Mile WNW |
| C7 | MOLOG1000011302 | 1/4 - 1/2 Mile East |
| C8 | MOLOG1000011303 | 1/4 - 1/2 Mile East |
| C9 | MOLOG1000011304 | 1/4 - 1/2 Mile East |
| 10 | MOLOG1000011371 | 1/4 - 1/2 Mile North |
| D11 | MOLOG1000011229 | 1/4 - 1/2 Mile SE |
| D12 | MOLOG1000011230 | 1/4 - 1/2 Mile SE |
| 13 | MOLOG1000011217 | 1/4 - 1/2 Mile SE |
| 14 | MOLOG1000011407 | 1/2 - 1 Mile North |
| 15 | MOLOG1000011213 | 1/2 - 1 Mile SW |
| E16 | MOLOG1000011406 | 1/2 - 1 Mile NNE |
| 17 | MOLOG1000011280 | 1/2 - 1 Mile ESE |
| G19 | MO7000000004635 | 1/2 - 1 Mile SW |
| E21 | MO7000000003136 | 1/2 - 1 Mile NNE |
| H22 | MOLOG1000011348 | 1/2 - 1 Mile ENE |
| F24 | MO7000000000080 | 1/2 - 1 Mile North |
| F25 | MOLOG1000011424 | 1/2 - 1 Mile North |
| H26 | MO7000000004630 | 1/2 - 1 Mile ENE |
| I27 | MOLOG1000011423 | 1/2 - 1 Mile NNE |
| 28 | MOLOG1000011300 | 1/2 - 1 Mile West |
| 29 | MOLOG1000011192 | 1/2 - 1 Mile SE |
| 30 | MOLOG1000011215 | 1/2 - 1 Mile SE |
| I31 | MO7000000004629 | 1/2 - 1 Mile NNE |
| 32 | MOLOG1000011335 | 1/2 - 1 Mile West |
| 33 | MOLOG1000011347 | 1/2 - 1 Mile ENE |
| 34 | MOLOG1000011422 | 1/2 - 1 Mile NE |
| J35 | MOLOG1000011190 | 1/2 - 1 Mile SE |
| J36 | MOLOG1000011191 | 1/2 - 1 Mile SE |
| 37 | MOLOG1000011383 | 1/2 - 1 Mile NE |
| 38 | MOLOG1000011141 | 1/2 - 1 Mile SSE |
| 39 | MOLOG1000011403 | 1/2 - 1 Mile NE |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

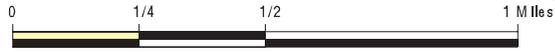
| <u>MAP ID</u> | <u>WELL ID</u> | <u>LOCATION FROM TP</u> |
|---------------|-----------------|-----------------------------|
| 40 | MOLOG1000011189 | 1/2 - 1 Mile SE |
| K41 | MO7000000004637 | 1/2 - 1 Mile SSE |
| L44 | MOLOG1000011108 | 1/2 - 1 Mile South |
| L45 | MO7000000004639 | 1/2 - 1 Mile South |
| 47 | MOLOG1000011369 | 1/2 - 1 Mile WNW |
| 48 | MOLOG1000011375 | 1/2 - 1 Mile ENE |
| 49 | MOLOG1000011480 | 1/2 - 1 Mile NNE |
| 50 | MOLOG1000011446 | 1/2 - 1 Mile NE |
| 51 | MOLOG1000011362 | 1/2 - 1 Mile WNW |
| 52 | MOLOG1000011106 | 1/2 - 1 Mile SSE |
| 53 | MOLOG1000011097 | 1/2 - 1 Mile SSE |
| M55 | MO7000000004632 | 1/2 - 1 Mile East |

PHYSICAL SETTING SOURCE MAP - 06993336.2r



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Oil, gas or related wells



SITE NAME: Missouri S & T Buildings
 ADDRESS: 1001 Collegiate Boulevard
 Rolla MO 65401
 LAT/LONG: 37.957923 / 91.779882

CLIENT: Environmental Operations, Inc.
 CONTACT: Alexandria Algieri
 INQUIRY #: 06993336.2r
 DATE: May 24, 2022 4:38 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A1
WNW
1/8 - 1/4 Mile
Lower

FED USGS USGS40000691573

| | | | |
|------------------------|-------------------------------|-----------------------------|------------------------------------|
| Organization ID: | USGS-MO | Organization Name: | USGS Missouri Water Science Center |
| Monitor Location: | UMR WELL AT ROLLA, MO | Type: | Well |
| Description: | Not Reported | HUC: | 07140102 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Ozark Plateaus aquifer system | Aquifer Type: | Not Reported |
| Formation Type: | Not Reported | Well Depth: | Not Reported |
| Construction Date: | Not Reported | Well Hole Depth: | Not Reported |
| Well Depth Units: | Not Reported | | |
| Well Hole Depth Units: | Not Reported | | |

A2
West
1/8 - 1/4 Mile
Lower

MO WELLS MOLOG1000011316

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 021585 |
| Elevation: | 1159 | Static Water Level: | 0 |

B3
WNW
1/8 - 1/4 Mile
Higher

MO WELLS MOLOG1000011336

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 021491 |
| Elevation: | 1177 | Static Water Level: | 0 |

B4
NW
1/4 - 1/2 Mile
Higher

FED USGS USGS40000691591

| | | | |
|------------------------|---|-----------------------------|------------------------------------|
| Organization ID: | USGS-MO | Organization Name: | USGS Missouri Water Science Center |
| Monitor Location: | T37N R08W 02BCC1 | Type: | Well |
| Description: | Not Reported | HUC: | 10290203 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Ozark Plateaus aquifer system | Construction Date: | 19630101 |
| Formation Type: | Gunter Sandstone Member of Gasconade Dolomite | Well Depth Units: | ft |
| Aquifer Type: | Confined multiple aquifer | Well Hole Depth Units: | ft |
| Well Depth: | 695 | | |
| Well Hole Depth: | 695 | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1963-01-01 |
| Feet below surface: | 370 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

5
NW
1/4 - 1/2 Mile
Lower **MO WELLS** **MOLOG1000011349**

Database: Geologic Well Log Database ID: 014799
Elevation: 1177 Static Water Level: 0

6
WNW
1/4 - 1/2 Mile
Lower **MO WELLS** **MOLOG1000011334**

Database: Geologic Well Log Database ID: 023827
Elevation: 1173 Static Water Level: 0

C7
East
1/4 - 1/2 Mile
Lower **MO WELLS** **MOLOG1000011302**

Database: Geologic Well Log Database ID: 003566
Elevation: 1158 Static Water Level: 0

C8
East
1/4 - 1/2 Mile
Lower **MO WELLS** **MOLOG1000011303**

Database: Geologic Well Log Database ID: 003643
Elevation: 1158 Static Water Level: 0

C9
East
1/4 - 1/2 Mile
Lower **MO WELLS** **MOLOG1000011304**

Database: Geologic Well Log Database ID: 004030
Elevation: 1158 Static Water Level: 0

10
North
1/4 - 1/2 Mile
Lower **MO WELLS** **MOLOG1000011371**

Database: Geologic Well Log Database ID: 010639
Elevation: 1184 Static Water Level: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

| | | | | |
|-----------------------|--|--|-----------------|------------------------|
| D11 | | | | |
| SE | | | MO WELLS | MOLOG1000011229 |
| 1/4 - 1/2 Mile | | | | |
| Lower | | | | |

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 003409 |
| Elevation: | 1143 | Static Water Level: | 0 |

| | | | | |
|-----------------------|--|--|-----------------|------------------------|
| D12 | | | | |
| SE | | | MO WELLS | MOLOG1000011230 |
| 1/4 - 1/2 Mile | | | | |
| Lower | | | | |

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 001617 |
| Elevation: | 1130 | Static Water Level: | 0 |

| | | | | |
|-----------------------|--|--|-----------------|------------------------|
| 13 | | | | |
| SE | | | MO WELLS | MOLOG1000011217 |
| 1/4 - 1/2 Mile | | | | |
| Lower | | | | |

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 009358 |
| Elevation: | 1125 | Static Water Level: | 235 |

| | | | | |
|---------------------|--|--|-----------------|------------------------|
| 14 | | | | |
| North | | | MO WELLS | MOLOG1000011407 |
| 1/2 - 1 Mile | | | | |
| Lower | | | | |

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 003539 |
| Elevation: | 1020 | Static Water Level: | 0 |

| | | | | |
|---------------------|--|--|-----------------|------------------------|
| 15 | | | | |
| SW | | | MO WELLS | MOLOG1000011213 |
| 1/2 - 1 Mile | | | | |
| Lower | | | | |

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 011737 |
| Elevation: | 1155 | Static Water Level: | 0 |

| | | | | |
|---------------------|--|--|-----------------|------------------------|
| E16 | | | | |
| NNE | | | MO WELLS | MOLOG1000011406 |
| 1/2 - 1 Mile | | | | |
| Lower | | | | |

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 023499 |
| Elevation: | 1023 | Static Water Level: | 225 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

17
ESE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011280

Database: Geologic Well Log Database ID: 012201
Elevation: 1108 Static Water Level: 0

F18
North
1/2 - 1 Mile
Lower

FRDS PWS MO3048127

| | | | |
|------------------|--|-------------------|---------------|
| Epa region: | 07 | State: | MO |
| Pwsid: | MO3048127 | Pwsname: | WOODCREST MHP |
| Cityserved: | Not Reported | Stateserved: | MO |
| Zipserved: | Not Reported | Fipscounty: | 29161 |
| Status: | Active | Retpopsrvd: | 195 |
| Pwssvconn: | 78 | Psource longname: | Groundwater |
| Pwstype: | CWS | Owner: | Private |
| Contact: | CABLE, JOHN W | Contactorgname: | CABLE, JOHN W |
| Contactphone: | 573-364-1864 | | |
| Contactaddress1: | 17855 ELK PRAIRIE ROAD- TRIANGLE ENV SER | | |
| Contactaddress2: | PO BOX 1026 | Contactcity: | ROLLA |
| Contactstate: | MO | Contactzip: | 65402-0000 |
| Pwsactivitycode: | A | | |

| | | | |
|--------------|-----------------------|-------------|---------------|
| PWS ID: | MO3048127 | PWS name: | WOODCREST MHP |
| Address: | 512 WEST ROCKCREEK DR | Care of: | Not Reported |
| City: | COLUMBIA | State: | MO |
| Zip: | 65201 | Owner: | WOODCREST MHP |
| Source code: | Ground water | Population: | 300 |

| | | | |
|--------------------|--------------|---------------------------|---------------|
| PWS ID: | MO3048127 | PWS type: | Not Reported |
| PWS name: | Not Reported | PWS address: | Not Reported |
| PWS city: | Not Reported | PWS state: | Not Reported |
| PWS zip: | Not Reported | PWS name: | WOODCREST MHP |
| PWS type code: | C | Retail population served: | 300 |
| Contact: | BLAIR, CHRIS | Contact address: | 702 N PINE |
| Contact address: | ROLLA | Contact city: | MO |
| Contact state: | 65 | Contact zip: | 573-364-71 |
| Contact telephone: | Not Reported | | |

| | | | |
|------------------------|--------------|--------------------------|-----------------------|
| PWS ID: | MO3048127 | Activity status: | Active |
| Date system activated: | 6801 | Date system deactivated: | Not Reported |
| Retail population: | 00000250 | System name: | WOODCREST MHP |
| System address: | Not Reported | System address: | 512 WEST ROCKCREEK DR |
| System city: | COLUMBIA | System state: | MO |
| System zip: | 65201 | | |

| | | | |
|--------------|--------------|--------------|---------------|
| County FIPS: | Not Reported | City served: | WOODCREST MHP |
|--------------|--------------|--------------|---------------|

| | | | |
|--------------------|-------------------|------------|-----------|
| Population served: | 101 - 500 Persons | Treatment: | Untreated |
|--------------------|-------------------|------------|-----------|

| | | | |
|-----------|--------|------------|---------|
| Latitude: | 385706 | Longitude: | 0922002 |
|-----------|--------|------------|---------|

| | | | |
|-----------|--------|------------|---------|
| Latitude: | 375759 | Longitude: | 0914644 |
|-----------|--------|------------|---------|

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---------------------|--------------|---------------------|--------------------|
| State: | MO | Latitude degrees: | 37 |
| Latitude minutes: | 57 | Latitude seconds: | 59.0000 |
| Longitude degrees: | 91 | Longitude minutes: | 46 |
| Longitude seconds: | 44.0000 | | |
| Violation id: | 200 | Orig code: | S |
| State: | MO | Violation Year: | 2000 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 05/01/2000 |
| Cmp edt: | 05/31/2000 | | |
| Violation id: | 500 | Orig code: | S |
| State: | MO | Violation Year: | 2000 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 06/01/2000 |
| Cmp edt: | 06/30/2000 | | |
| Violation id: | 600 | Orig code: | S |
| State: | MO | Violation Year: | 2000 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 21 | Violation name: | MCL, Acute (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 06/01/2000 |
| Cmp edt: | 06/30/2000 | | |
| Violation id: | 7202704 | Orig code: | S |
| State: | MO | Violation Year: | 2004 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 01/01/2004 |
| Cmp edt: | 01/31/2004 | | |
| Violation id: | 7202905 | Orig code: | S |
| State: | MO | Violation Year: | 2005 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 01/01/2005 |
| Cmp edt: | 01/31/2005 | | |
| Violation id: | 7203005 | Orig code: | S |
| State: | MO | Violation Year: | 2005 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 02/01/2005 |
| Cmp edt: | 02/28/2005 | | |
| Violation id: | 7203105 | Orig code: | S |
| State: | MO | Violation Year: | 2005 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---------------------|--------------|---------------------|---------------------------------|
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 03/01/2005 |
| Cmp edt: | 03/31/2005 | | |
| Violation id: | 7203609 | Orig code: | S |
| State: | MO | Violation Year: | 2009 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 23 | Violation name: | Monitoring, Routine Major (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 03/01/2009 |
| Cmp edt: | 03/31/2009 | | |
| Violation id: | 7203610 | Orig code: | S |
| State: | MO | Violation Year: | 2009 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 11/01/2009 |
| Cmp edt: | 11/30/2009 | | |
| Violation id: | 7203613 | Orig code: | S |
| State: | MO | Violation Year: | 2009 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 24 | Violation name: | Monitoring, Routine Minor (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 12/01/2009 |
| Cmp edt: | 12/31/2009 | | |
| Violation id: | 7203615 | Orig code: | S |
| State: | MO | Violation Year: | 2010 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 23 | Violation name: | Monitoring, Routine Major (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 04/01/2010 |
| Cmp edt: | 04/30/2010 | | |
| Violation id: | 7203616 | Orig code: | S |
| State: | MO | Violation Year: | 2010 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 23 | Violation name: | Monitoring, Routine Major (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2010 |
| Cmp edt: | 07/31/2010 | | |
| Violation id: | 7203619 | Orig code: | S |
| State: | MO | Violation Year: | 2010 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 23 | Violation name: | Monitoring, Routine Major (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 11/01/2010 |
| Cmp edt: | 11/30/2010 | | |
| Violation id: | 7203621 | Orig code: | S |
| State: | MO | Violation Year: | 2012 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---------------------|--------------|---------------------|----------------------------------|
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 06/01/2012 |
| Cmp edt: | 06/30/2012 | | |
| | | | |
| Violation id: | 7203622 | Orig code: | S |
| State: | MO | Violation Year: | 2012 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 05/01/2012 |
| Cmp edt: | 05/31/2012 | | |
| | | | |
| Violation id: | 7203624 | Orig code: | S |
| State: | MO | Violation Year: | 2012 |
| Contamination code: | 7500 | Contamination Name: | Public Notice |
| Violation code: | 75 | Violation name: | PN Violation for NPDWR Violation |
| Rule code: | 410 | Rule name: | PN rule |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/26/2012 |
| Cmp edt: | Not Reported | | |
| | | | |
| Violation id: | 7203626 | Orig code: | S |
| State: | MO | Violation Year: | 2013 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 23 | Violation name: | Monitoring, Routine Major (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 03/01/2013 |
| Cmp edt: | 03/31/2013 | | |
| | | | |
| Violation id: | 7203627 | Orig code: | S |
| State: | MO | Violation Year: | 2013 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 05/01/2013 |
| Cmp edt: | 05/31/2013 | | |
| | | | |
| Violation id: | 7203629 | Orig code: | S |
| State: | MO | Violation Year: | 2013 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 06/01/2013 |
| Cmp edt: | 06/30/2013 | | |
| | | | |
| Violation id: | 7203633 | Orig code: | S |
| State: | MO | Violation Year: | 2013 |
| Contamination code: | 7500 | Contamination Name: | Public Notice |
| Violation code: | 75 | Violation name: | PN Violation for NPDWR Violation |
| Rule code: | 410 | Rule name: | PN rule |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/11/2013 |
| Cmp edt: | Not Reported | | |
| | | | |
| Violation id: | 7203634 | Orig code: | S |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---------------------|--------------|---------------------|--------------------------------|
| State: | MO | Violation Year: | 2013 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2013 |
| Cmp edt: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|-----------------------|
| Violation ID: | 9406121 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | 1,1,1-TRICHLOROETHANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|----------------------|
| Violation ID: | 9406122 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | 1,1-DICHLOROETHYLENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|--------------------|
| Violation ID: | 9406123 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | 1,2-DICHLOROETHANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|---------------------|
| Violation ID: | 9406124 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | 1,2-DICHLOROPROPANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|--------------|
| Violation ID: | 9406125 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | BENZENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|----------------------|
| Violation ID: | 9406126 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | CARBON TETRACHLORIDE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|--------------------------|
| Violation ID: | 9406127 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | CIS-1,2-DICHLOROETHYLENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|-----------------------------------|
| Violation ID: | 9406128 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | MONOCHLOROBENZENE (CHLOROBENZENE) |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|--------------|
| Violation ID: | 9406129 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | ETHYLBENZENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|-------------------|
| Violation ID: | 9406130 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | O-DICHLOROBENZENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|---------------------------|---------------------|----------------------------|-------------------|
| Violation ID: | 9406131 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | P-DICHLOROBENZENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | |
|---|--|
| Maximum contaminant level: Not Reported | Number of required samples: Not Reported |
| Number of samples taken: 000 | Analysis method: Not Reported |
| Analysis result: Not Reported | |

PWS currently has or had major violation(s) or enforcement:Yes

| | |
|---|--|
| Violation ID: 9406132 | Violation source ID: Not Reported |
| PWS telephone: Not Reported | Contaminant: STYRENE |
| Violation type: Monitoring, Regular | Violation start date: 010193 |
| Violation end date: 123193 | Violation period (months): 012 |
| Violation awareness date: Not Reported | Major violator: Yes |
| Maximum contaminant level: Not Reported | Number of required samples: Not Reported |
| Number of samples taken: 000 | Analysis method: Not Reported |
| Analysis result: Not Reported | |

PWS currently has or had major violation(s) or enforcement:Yes

| | |
|---|--|
| Violation ID: 9406133 | Violation source ID: Not Reported |
| PWS telephone: Not Reported | Contaminant: TETRACHLOROETHYLENE |
| Violation type: Monitoring, Regular | Violation start date: 010193 |
| Violation end date: 123193 | Violation period (months): 012 |
| Violation awareness date: Not Reported | Major violator: Yes |
| Maximum contaminant level: Not Reported | Number of required samples: Not Reported |
| Number of samples taken: 000 | Analysis method: Not Reported |
| Analysis result: Not Reported | |

PWS currently has or had major violation(s) or enforcement:Yes

| | |
|---|--|
| Violation ID: 9406134 | Violation source ID: Not Reported |
| PWS telephone: Not Reported | Contaminant: TOLUENE |
| Violation type: Monitoring, Regular | Violation start date: 010193 |
| Violation end date: 123193 | Violation period (months): 012 |
| Violation awareness date: Not Reported | Major violator: Yes |
| Maximum contaminant level: Not Reported | Number of required samples: Not Reported |
| Number of samples taken: 000 | Analysis method: Not Reported |
| Analysis result: Not Reported | |

PWS currently has or had major violation(s) or enforcement:Yes

| | |
|---|--|
| Violation ID: 9406135 | Violation source ID: Not Reported |
| PWS telephone: Not Reported | Contaminant: TRANS-1,2-DICHLOROETHYLENE |
| Violation type: Monitoring, Regular | Violation start date: 010193 |
| Violation end date: 123193 | Violation period (months): 012 |
| Violation awareness date: Not Reported | Major violator: Yes |
| Maximum contaminant level: Not Reported | Number of required samples: Not Reported |
| Number of samples taken: 000 | Analysis method: Not Reported |
| Analysis result: Not Reported | |

PWS currently has or had major violation(s) or enforcement:Yes

| | |
|---|--|
| Violation ID: 9406136 | Violation source ID: Not Reported |
| PWS telephone: Not Reported | Contaminant: TRICHLOROETHYLENE |
| Violation type: Monitoring, Regular | Violation start date: 010193 |
| Violation end date: 123193 | Violation period (months): 012 |
| Violation awareness date: Not Reported | Major violator: Yes |
| Maximum contaminant level: Not Reported | Number of required samples: Not Reported |
| Number of samples taken: 000 | Analysis method: Not Reported |
| Analysis result: Not Reported | |

PWS currently has or had major violation(s) or enforcement:Yes

| | |
|-----------------------|-----------------------------------|
| Violation ID: 9406137 | Violation source ID: Not Reported |
|-----------------------|-----------------------------------|

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------------------|---------------------|-----------------------------|----------------|
| PWS telephone: | Not Reported | Contaminant: | VINYL CHLORIDE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|----------------|
| Violation ID: | 9406138 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | XYLENES, TOTAL |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|---------------------------|
| Violation ID: | 9406139 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | 1,1,1,2-TETRACHLOROETHANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|-------------------------|
| Violation ID: | 9406140 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | 1,1,2-TETRACHLOROETHANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|-----------------------|
| Violation ID: | 9406141 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | 1,1,2-TRICHLOROETHANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|--------------------|
| Violation ID: | 9406142 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | 1,1-DICHLOROETHANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406143
 PWS telephone: Not Reported
 Violation type: Monitoring, Regular
 Violation end date: 123193
 Violation awareness date: Not Reported
 Maximum contaminant level: Not Reported
 Number of samples taken: 000
 Analysis result: Not Reported

Violation source ID: Not Reported
 Contaminant: 1,1-DICHLOROPROPENE
 Violation start date: 010193
 Violation period (months): 012
 Major violator: Yes
 Number of required samples: Not Reported
 Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406144
 PWS telephone: Not Reported
 Violation type: Monitoring, Regular
 Violation end date: 123193
 Violation awareness date: Not Reported
 Maximum contaminant level: Not Reported
 Number of samples taken: 000
 Analysis result: Not Reported

Violation source ID: Not Reported
 Contaminant: 1,2,3-TRICHLOROPROPANE
 Violation start date: 010193
 Violation period (months): 012
 Major violator: Yes
 Number of required samples: Not Reported
 Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406145
 PWS telephone: Not Reported
 Violation type: Monitoring, Regular
 Violation end date: 123193
 Violation awareness date: Not Reported
 Maximum contaminant level: Not Reported
 Number of samples taken: 000
 Analysis result: Not Reported

Violation source ID: Not Reported
 Contaminant: 1,2,4-TRICHLOROBENZENE
 Violation start date: 010193
 Violation period (months): 012
 Major violator: Yes
 Number of required samples: Not Reported
 Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406146
 PWS telephone: Not Reported
 Violation type: Monitoring, Regular
 Violation end date: 123193
 Violation awareness date: Not Reported
 Maximum contaminant level: Not Reported
 Number of samples taken: 000
 Analysis result: Not Reported

Violation source ID: Not Reported
 Contaminant: 1,3-DICHLOROPROPANE
 Violation start date: 010193
 Violation period (months): 012
 Major violator: Yes
 Number of required samples: Not Reported
 Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406147
 PWS telephone: Not Reported
 Violation type: Monitoring, Regular
 Violation end date: 123193
 Violation awareness date: Not Reported
 Maximum contaminant level: Not Reported
 Number of samples taken: 000
 Analysis result: Not Reported

Violation source ID: Not Reported
 Contaminant: 2,2-DICHLOROPROPANE
 Violation start date: 010193
 Violation period (months): 012
 Major violator: Yes
 Number of required samples: Not Reported
 Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406148
 PWS telephone: Not Reported
 Violation type: Monitoring, Regular
 Violation end date: 123193
 Violation awareness date: Not Reported

Violation source ID: Not Reported
 Contaminant: BROMOBENZENE
 Violation start date: 010193
 Violation period (months): 012
 Major violator: Yes

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | |
|---|--|
| Maximum contaminant level: Not Reported | Number of required samples: Not Reported |
| Number of samples taken: 000 | Analysis method: Not Reported |
| Analysis result: Not Reported | |

PWS currently has or had major violation(s) or enforcement:Yes

| | |
|---|--|
| Violation ID: 9406149 | Violation source ID: Not Reported |
| PWS telephone: Not Reported | Contaminant: BROMODICHLOROMETHANE |
| Violation type: Monitoring, Regular | Violation start date: 010193 |
| Violation end date: 123193 | Violation period (months): 012 |
| Violation awareness date: Not Reported | Major violator: Yes |
| Maximum contaminant level: Not Reported | Number of required samples: Not Reported |
| Number of samples taken: 000 | Analysis method: Not Reported |
| Analysis result: Not Reported | |

PWS currently has or had major violation(s) or enforcement:Yes

| | |
|---|--|
| Violation ID: 9406150 | Violation source ID: Not Reported |
| PWS telephone: Not Reported | Contaminant: BROMOFORM |
| Violation type: Monitoring, Regular | Violation start date: 010193 |
| Violation end date: 123193 | Violation period (months): 012 |
| Violation awareness date: Not Reported | Major violator: Yes |
| Maximum contaminant level: Not Reported | Number of required samples: Not Reported |
| Number of samples taken: 000 | Analysis method: Not Reported |
| Analysis result: Not Reported | |

PWS currently has or had major violation(s) or enforcement:Yes

| | |
|---|--|
| Violation ID: 9406151 | Violation source ID: Not Reported |
| PWS telephone: Not Reported | Contaminant: BROMOMETHANE |
| Violation type: Monitoring, Regular | Violation start date: 010193 |
| Violation end date: 123193 | Violation period (months): 012 |
| Violation awareness date: Not Reported | Major violator: Yes |
| Maximum contaminant level: Not Reported | Number of required samples: Not Reported |
| Number of samples taken: 000 | Analysis method: Not Reported |
| Analysis result: Not Reported | |

PWS currently has or had major violation(s) or enforcement:Yes

| | |
|---|--|
| Violation ID: 9406152 | Violation source ID: Not Reported |
| PWS telephone: Not Reported | Contaminant: CHLOROETHANE |
| Violation type: Monitoring, Regular | Violation start date: 010193 |
| Violation end date: 123193 | Violation period (months): 012 |
| Violation awareness date: Not Reported | Major violator: Yes |
| Maximum contaminant level: Not Reported | Number of required samples: Not Reported |
| Number of samples taken: 000 | Analysis method: Not Reported |
| Analysis result: Not Reported | |

PWS currently has or had major violation(s) or enforcement:Yes

| | |
|--|---|
| Violation ID: 9406153 | PWS telephone: Not Reported |
| Violation source ID: Not Reported | Violation type: Monitoring, Regular |
| Contaminant: CHLOROFORM | Violation end date: 123193 |
| Violation start date: 010193 | Violation awareness date: Not Reported |
| Violation period (months): 012 | Maximum contaminant level: Not Reported |
| Major violator: Yes | Number of samples taken: 000 |
| Number of required samples: Not Reported | Analysis result: Not Reported |
| Analysis method: Not Reported | |

PWS currently has or had major violation(s) or enforcement:Yes

| | |
|-----------------------|-----------------------------------|
| Violation ID: 9406154 | Violation source ID: Not Reported |
|-----------------------|-----------------------------------|

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------------------|---------------------|-----------------------------|---------------------------------|
| PWS telephone: | Not Reported | Contaminant: | METHYLCHLORIDE (CHLOROEMETHANE) |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|-------------------------|
| Violation ID: | 9406155 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | CIS-1,3-DICHLOROPROPENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|---|
| Violation ID: | 9406156 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | DIBROMOCHLOROMETHANE (CHLORODIBROMOMETHANE) |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|----------------|
| Violation ID: | 9406157 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | DIBROMOMETHANE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|--------------------------------------|
| Violation ID: | 9406158 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | METHYLENE CHLORIDE (DICHLOROMETHANE) |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|-------------------|
| Violation ID: | 9406159 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | M-DICHLOROBENZENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |

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| | | | |
|--------------------------|--------------|------------------|--------------|
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|-----------------|
| Violation ID: | 9406160 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | O-CHLOROTOLUENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|-----------------|
| Violation ID: | 9406161 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | P-CHLOROTOLUENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|----------------------------|---------------------|-----------------------------|---------------------------|
| Violation ID: | 9406162 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | TRANS-1,3-DICHLOROPROPENE |
| Violation type: | Monitoring, Regular | Violation start date: | 010193 |
| Violation end date: | 123193 | Violation period (months): | 012 |
| Violation awareness date: | Not Reported | Major violator: | Yes |
| Maximum contaminant level: | Not Reported | Number of required samples: | Not Reported |
| Number of samples taken: | 000 | Analysis method: | Not Reported |
| Analysis result: | Not Reported | | |

| | | | |
|---------------------|--------------------------|-----------------------|------------|
| Violation ID: | 200 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 06/19/2000 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |

| | | | |
|---------------------|------------------------|-----------------------|------------|
| Violation ID: | 200 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 01/22/2014 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |

| | | | |
|---------------------|---------------------------|-----------------------|------------|
| Violation ID: | 200 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 05/30/2000 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |

| | | | |
|---------------------|----------------------|-----------------------|------------|
| Violation ID: | 200 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 05/30/2000 |
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Informal |

| | | | |
|---------------------|---------------------------|-----------------------|------------|
| Violation ID: | 500 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 06/20/2000 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |

| | | | |
|---------------------|----------------------|-----------------------|------------|
| Violation ID: | 500 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 06/20/2000 |
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Informal |

| | | | |
|----------------|------|---------------------|------------|
| Violation ID: | 500 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 01/22/2014 |

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| | | | |
|---------------------|------------------------------|-----------------------|------------|
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 600 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 06/20/2000 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 600 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 01/22/2014 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 600 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 07/20/2000 |
| Enforcement Detail: | St Boil Water Order | Enforcement Category: | Informal |
| Violation ID: | 600 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 06/20/2000 |
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Informal |
| Violation ID: | 600 | Orig Code: | S |
| Enforcemnt FY: | 2000 | Enforcement Action: | 07/26/2000 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7202704 | Orig Code: | S |
| Enforcemnt FY: | 2004 | Enforcement Action: | 02/11/2004 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7202704 | Orig Code: | S |
| Enforcemnt FY: | 2004 | Enforcement Action: | 03/22/2004 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7202704 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 01/22/2014 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7202704 | Orig Code: | S |
| Enforcemnt FY: | 2004 | Enforcement Action: | 02/11/2004 |
| Enforcement Detail: | St Violation/Reminder Notice | Enforcement Category: | Informal |
| Violation ID: | 7202905 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 02/04/2005 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7202905 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 04/27/2005 |
| Enforcement Detail: | St BCA signed | Enforcement Category: | Formal |
| Violation ID: | 7202905 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 03/08/2005 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7202905 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 07/12/2006 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7202905 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 02/04/2005 |
| Enforcement Detail: | St Violation/Reminder Notice | Enforcement Category: | Informal |
| Violation ID: | 7203005 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 04/27/2005 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-----------------------|------------------------------|-----------------------|------------|
| Enforcement Detail: | St BCA signed | Enforcement Category: | Formal |
| Violation ID: | 7203005 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 07/12/2006 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203005 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 05/03/2005 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203005 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 03/29/2005 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203005 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 03/29/2005 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203105 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 07/12/2006 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203105 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 04/08/2005 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203105 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 04/27/2005 |
| Enforcement Detail: | St BCA signed | Enforcement Category: | Formal |
| Violation ID: | 7203105 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 04/08/2005 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203105 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 05/03/2005 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203609 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 06/08/2010 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203609 | Orig Code: | S |
| Enforcemnt FY: | 2009 | Enforcement Action: | 04/24/2009 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203609 | Orig Code: | S |
| Enforcemnt FY: | 2009 | Enforcement Action: | 04/24/2009 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203610 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 05/04/2011 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203610 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 12/03/2009 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203610 | Orig Code: | S |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-----------------------|------------------------------|-----------------------|------------|
| Enforcemnt FY: | 2010 | Enforcement Action: | 12/17/2009 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203610 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 12/03/2009 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203613 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 05/04/2011 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203613 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 01/28/2010 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203613 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 01/28/2010 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203613 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 02/26/2010 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203615 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 05/04/2011 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203615 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 01/19/2011 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203615 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 05/24/2010 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203615 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 05/24/2010 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203615 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 06/07/2010 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203616 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 01/19/2011 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203616 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 05/04/2011 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203616 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 06/24/2011 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203616 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 08/27/2010 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-----------------------|------------------------------|-----------------------|------------|
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203616 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 08/27/2010 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203619 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 05/04/2011 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203619 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 12/20/2010 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203619 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 12/20/2010 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203619 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 01/19/2011 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203619 | Orig Code: | S |
| Enforcemnt FY: | 2011 | Enforcement Action: | 01/11/2011 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203621 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 12/31/2012 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203621 | Orig Code: | S |
| Enforcemnt FY: | 2012 | Enforcement Action: | 06/20/2012 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203621 | Orig Code: | S |
| Enforcemnt FY: | 2012 | Enforcement Action: | 06/15/2012 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203621 | Orig Code: | S |
| Enforcemnt FY: | 2012 | Enforcement Action: | 07/11/2012 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203621 | Orig Code: | S |
| Enforcemnt FY: | 2012 | Enforcement Action: | 06/15/2012 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203622 | Orig Code: | S |
| Enforcemnt FY: | 2012 | Enforcement Action: | 06/15/2012 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203622 | Orig Code: | S |
| Enforcemnt FY: | 2012 | Enforcement Action: | 06/15/2012 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203622 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 12/31/2012 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-----------------------|------------------------------|-----------------------|------------|
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203622 | Orig Code: | S |
| Enforcemnt FY: | 2012 | Enforcement Action: | 07/11/2012 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203622 | Orig Code: | S |
| Enforcemnt FY: | 2012 | Enforcement Action: | 06/20/2012 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203624 | Orig Code: | S |
| Enforcemnt FY: | 2012 | Enforcement Action: | 07/01/2012 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203626 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 04/18/2013 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 7203626 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 05/06/2013 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203626 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 04/18/2013 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203626 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 11/20/2013 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203627 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 05/31/2013 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7203627 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 11/20/2013 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203627 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 05/31/2013 |
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Informal |
| Violation ID: | 7203629 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 06/11/2013 |
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Informal |
| Violation ID: | 7203629 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 11/20/2013 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7203629 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 06/27/2013 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7203629 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 06/11/2013 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 200 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|--------------------------------------|----------------------|------------------------------------|
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 5/1/2000 0:00:00 | Compliance end date: | 5/31/2000 0:00:00 |
| Enforcement date: | 5/30/2000 0:00:00 | Enforcement action: | State Formal NOV Issued |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 200 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 5/1/2000 0:00:00 | Compliance end date: | 5/31/2000 0:00:00 |
| Enforcement date: | 5/30/2000 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 200 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 5/1/2000 0:00:00 | Compliance end date: | 5/31/2000 0:00:00 |
| Enforcement date: | 6/19/2000 0:00:00 | Enforcement action: | State Public Notif Received |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 500 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 6/1/2000 0:00:00 | Compliance end date: | 6/30/2000 0:00:00 |
| Enforcement date: | 6/20/2000 0:00:00 | Enforcement action: | State Formal NOV Issued |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 500 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 6/1/2000 0:00:00 | Compliance end date: | 6/30/2000 0:00:00 |
| Enforcement date: | 6/20/2000 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 600 |
| Contaminant: | COLIFORM (TCR) | Violation type: | Max Contaminant Level, Acute (TCR) |
| Compliance start date: | 6/1/2000 0:00:00 | Compliance end date: | 6/30/2000 0:00:00 |
| Enforcement date: | 6/20/2000 0:00:00 | Enforcement action: | State Formal NOV Issued |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 600 |
| Contaminant: | COLIFORM (TCR) | Violation type: | Max Contaminant Level, Acute (TCR) |
| Compliance start date: | 6/1/2000 0:00:00 | Compliance end date: | 6/30/2000 0:00:00 |
| Enforcement date: | 6/20/2000 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 600 |
| Contaminant: | COLIFORM (TCR) | Violation type: | Max Contaminant Level, Acute (TCR) |
| Compliance start date: | 6/1/2000 0:00:00 | Compliance end date: | 6/30/2000 0:00:00 |
| Enforcement date: | 7/20/2000 0:00:00 | Enforcement action: | State Boil Water Order |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 600 |
| Contaminant: | COLIFORM (TCR) | Violation type: | Max Contaminant Level, Acute (TCR) |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|--------------------------------------|----------------------|---------------------------------|
| Compliance start date: | 6/1/2000 0:00:00 | Compliance end date: | 6/30/2000 0:00:00 |
| Enforcement date: | 7/26/2000 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7202704 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 1/1/2004 0:00:00 | Compliance end date: | 1/31/2004 0:00:00 |
| Enforcement date: | 2/11/2004 0:00:00 | Enforcement action: | State Violation/Reminder Notice |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7202704 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 1/1/2004 0:00:00 | Compliance end date: | 1/31/2004 0:00:00 |
| Enforcement date: | 2/11/2004 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7202704 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 1/1/2004 0:00:00 | Compliance end date: | 1/31/2004 0:00:00 |
| Enforcement date: | 3/22/2004 0:00:00 | Enforcement action: | State Public Notif Received |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7202905 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 1/1/2005 0:00:00 | Compliance end date: | 1/31/2005 0:00:00 |
| Enforcement date: | 2/4/2005 0:00:00 | Enforcement action: | State Violation/Reminder Notice |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7202905 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 1/1/2005 0:00:00 | Compliance end date: | 1/31/2005 0:00:00 |
| Enforcement date: | 2/4/2005 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7202905 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 1/1/2005 0:00:00 | Compliance end date: | 1/31/2005 0:00:00 |
| Enforcement date: | 3/8/2005 0:00:00 | Enforcement action: | State Public Notif Received |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7202905 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 1/1/2005 0:00:00 | Compliance end date: | 1/31/2005 0:00:00 |
| Enforcement date: | 4/27/2005 0:00:00 | Enforcement action: | State BCA Signed |
| Violation measurement: | Not Reported | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7202905 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|--------------------------------------|----------------------|---------------------------------|
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 1/1/2005 0:00:00 | Compliance end date: | 1/31/2005 0:00:00 |
| Enforcement date: | 7/12/2006 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203005 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 2/1/2005 0:00:00 | Compliance end date: | 2/28/2005 0:00:00 |
| Enforcement date: | 3/29/2005 0:00:00 | Enforcement action: | State Violation/Reminder Notice |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203005 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 2/1/2005 0:00:00 | Compliance end date: | 2/28/2005 0:00:00 |
| Enforcement date: | 3/29/2005 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203005 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 2/1/2005 0:00:00 | Compliance end date: | 2/28/2005 0:00:00 |
| Enforcement date: | 4/27/2005 0:00:00 | Enforcement action: | State BCA Signed |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203005 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 2/1/2005 0:00:00 | Compliance end date: | 2/28/2005 0:00:00 |
| Enforcement date: | 5/3/2005 0:00:00 | Enforcement action: | State Public Notif Received |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203005 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 2/1/2005 0:00:00 | Compliance end date: | 2/28/2005 0:00:00 |
| Enforcement date: | 7/12/2006 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203105 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 3/1/2005 0:00:00 | Compliance end date: | 3/31/2005 0:00:00 |
| Enforcement date: | 4/27/2005 0:00:00 | Enforcement action: | State BCA Signed |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203105 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 3/1/2005 0:00:00 | Compliance end date: | 3/31/2005 0:00:00 |
| Enforcement date: | 4/8/2005 0:00:00 | Enforcement action: | State Violation/Reminder Notice |
| Violation measurement: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|--------------------------------------|----------------------|------------------------------|
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203105 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 3/1/2005 0:00:00 | Compliance end date: | 3/31/2005 0:00:00 |
| Enforcement date: | 4/8/2005 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203105 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 3/1/2005 0:00:00 | Compliance end date: | 3/31/2005 0:00:00 |
| Enforcement date: | 5/3/2005 0:00:00 | Enforcement action: | State Public Notif Received |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | WOODCREST MHP | Population served: | 300 |
| PWS type code: | C | Violation ID: | 7203105 |
| Contaminant: | COLIFORM (TCR) | | |
| Violation type: | Max Contaminant Level, Monthly (TCR) | | |
| Compliance start date: | 3/1/2005 0:00:00 | Compliance end date: | 3/31/2005 0:00:00 |
| Enforcement date: | 7/12/2006 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |

G19
SW
1/2 - 1 Mile
Lower

MO WELLS MO700000004635

| | | | |
|----------------------------------|--------------------------------------|------------------------------|-----------------------|
| Database: | Missouri Public Drinking Water Wells | | |
| DGLS ID: | 104470 | LOGMAIN ID: | 0011737 |
| Well Certification #: | Not Reported | PWSS Name: | Rolla |
| PWSS ID: | 3010700 | IPWS ID: | MO3010700 |
| Well #: | 6 | Local Name: | W. 10th & Fairgrounds |
| Well ID: | 14285 | Facility Type: | City |
| Federal Water System Type: | Community | Status: | Active |
| Drill Date: | 1951 | Abandoned: | 0 |
| Plugged: | 0 | Material Type: | Consolidated |
| Formation at Casing Depth: | Gasconade | Formation at Total Depth: | Elvins |
| Total Depth: | 1215 | Ground Elevation: | 1150 |
| Top Seal Type: | Pressure Grout | Bottom Seal Type: | Pressure Grout |
| Casing Depth: | 378 | Casing Diameter: | 12 |
| Casing Type: | Steel | Casing Elevation: | 1152 |
| Casing Height: | 0 | Outer Well Casing Depth: | 21 |
| Outer Casing Diameter: | 20 | Screen Length (ft): | -9999 |
| Screen Size (in): | -9999 | Depth to Static Water Level: | 240 |
| Max Yield (gal/min): | 539 | Dynamic Head of Pump: | 85 |
| Drawdown: | 200 | Year of Pump Test: | 1991 |
| Pump Type: | Vertical Turbine | | |
| Pump Manufacturer: | Layne | Pump Depth: | 580 |
| Pump Capacity: | 536 | Has Pump Meter: | Y |
| Has Stand-by Power: | N | VOC detections: | N |
| Nitrates Detected: | N | Chlorination Used: | Y |
| Filtration Used: | N | GWUDISW: | N |
| Meets Construction Requirements: | Y | Surface Drainage: | Satisfactory |
| Water System Entry Point ID: | Y | SWIP Wellhead Status: | Verified |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

G20
SW
 1/2 - 1 Mile
 Lower

FED USGS USGS40000691548

| | | | |
|------------------------|-------------------------------|-----------------------------|------------------------------------|
| Organization ID: | USGS-MO | Organization Name: | USGS Missouri Water Science Center |
| Monitor Location: | T37N R08W 03DDD1 | Type: | Well |
| Description: | Not Reported | HUC: | 07140102 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Ozark Plateaus aquifer system | Aquifer Type: | Not Reported |
| Formation Type: | Potosi Dolomite | Well Depth: | 1215 |
| Construction Date: | 19511101 | Well Hole Depth: | 1215 |
| Well Depth Units: | ft | | |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1951-11-01 |
| Feet below surface: | 315 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

E21
NNE
 1/2 - 1 Mile
 Lower

MO WELLS MO700000003136

| | | | |
|----------------------------|--------------------------------------|----------------------------------|------------------|
| Database: | Missouri Public Drinking Water Wells | | |
| DGLS ID: | 102251 | LOGMAIN ID: | 0018310 |
| Well Certification #: | Not Reported | PWSS Name: | Villa MHP |
| PWSS ID: | 3048131 | IPWS ID: | MO3048131 |
| Well #: | 1 | Local Name: | Well #1 |
| Well ID: | 11952 | Facility Type: | Mobile Home Park |
| Federal Water System Type: | Non-Public | Status: | Inactive |
| Drill Date: | 1959 | Abandoned: | 0 |
| Plugged: | 0 | Material Type: | Consolidated |
| Formation at Casing Depth: | Jefferson City | Formation at Total Depth: | Gasconade |
| Total Depth: | 345 | Ground Elevation: | 0 |
| Top Seal Type: | Not Reported | Bottom Seal Type: | Not Reported |
| Casing Depth: | 46 | Casing Diameter: | 6 |
| Casing Type: | Steel | Casing Elevation: | 0 |
| Casing Height: | 0 | Outer Well Casing Depth: | 0 |
| Outer Casing Diameter: | 0 | Screen Length (ft): | -9999 |
| Screen Size (in): | -9999 | Depth to Static Water Level: | 185 |
| Max Yield (gal/min): | 30 | Dynamic Head of Pump: | 0 |
| Drawdown: | 0 | Year of Pump Test: | 0 |
| Pump Type: | Submersible | Pump Manufacturer: | Not Reported |
| Pump Depth: | 0 | Pump Capacity: | 0 |
| Has Pump Meter: | Not Reported | Has Stand-by Power: | Not Reported |
| VOC detections: | N | Nitrates Detected: | N |
| Chlorination Used: | Not Reported | Filtration Used: | Not Reported |
| GWUDISW: | Not Reported | Meets Construction Requirements: | Not Reported |
| Surface Drainage: | Not Reported | Water System Entry Point ID: | Not Reported |
| SWIP Wellhead Status: | Not Found | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

H22
ENE
 1/2 - 1 Mile
 Lower

MO WELLS MOLOG1000011348

Database: Geologic Well Log Database ID: 024981
 Elevation: 1080 Static Water Level: 0

F23
North
 1/2 - 1 Mile
 Lower

FED USGS USGS40000691613

| | | | |
|------------------------|-------------------------------|-----------------------------|------------------------------------|
| Organization ID: | USGS-MO | Organization Name: | USGS Missouri Water Science Center |
| Monitor Location: | T38N R08W 35CDD1 | Type: | Well |
| Description: | Not Reported | HUC: | 10290203 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Ozark Plateaus aquifer system | | |
| Formation Type: | Eminence Dolomite | Aquifer Type: | Not Reported |
| Construction Date: | 19680601 | Well Depth: | 750 |
| Well Depth Units: | ft | Well Hole Depth: | 750 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 2 | Level reading date: | 1974-06-01 |
| Feet below surface: | 269 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|---------------------|--------------|---------------------|--------------|
| Level reading date: | 1968-06-01 | Feet below surface: | 269 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

F24
North
 1/2 - 1 Mile
 Lower

MO WELLS MO700000000080

| | | | |
|----------------------------|--------------------------------------|------------------------------|------------------|
| Database: | Missouri Public Drinking Water Wells | | |
| DGLS ID: | 104464 | LOGMAIN ID: | 0025659 |
| Well Certification #: | Not Reported | PWSS Name: | Woodcrest MHP |
| PWSS ID: | 3048127 | IPWS ID: | MO3048127 |
| Well #: | 1 | Local Name: | Well #1 |
| Well ID: | 14334 | Facility Type: | Mobile Home Park |
| Federal Water System Type: | Community | Status: | Active |
| Drill Date: | 1968 | Abandoned: | 0 |
| Plugged: | 0 | Material Type: | Consolidated |
| Formation at Casing Depth: | Gasconade | Formation at Total Depth: | Eminence |
| Total Depth: | 750 | Ground Elevation: | 1070 |
| Top Seal Type: | Cement Grout | Bottom Seal Type: | Cement Grout |
| Casing Depth: | 400 | Casing Diameter: | 8 |
| Casing Type: | Steel | Casing Elevation: | 0 |
| Casing Height: | 0 | Outer Well Casing Depth: | 0 |
| Outer Casing Diameter: | 0 | Screen Length (ft): | -9999 |
| Screen Size (in): | -9999 | Depth to Static Water Level: | 269 |
| Max Yield (gal/min): | 150 | Dynamic Head of Pump: | 0 |
| Drawdown: | 11 | Year of Pump Test: | 0 |
| Pump Type: | Vertical Turbine | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------------------------|---------|-----------------------|--------------|
| Pump Manufacturer: | Jacuzzi | Pump Depth: | 400 |
| Pump Capacity: | 120 | Has Pump Meter: | Y |
| Has Stand-by Power: | N | VOC detections: | N |
| Nitrates Detected: | N | Chlorination Used: | N |
| Filtration Used: | N | GWUDISW: | N |
| Meets Construction Requirements: | Y | Surface Drainage: | Satisfactory |
| Water System Entry Point ID: | Y | SWIP Wellhead Status: | Verified |

F25
North
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011424

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 025659 |
| Elevation: | 1069 | Static Water Level: | 0 |

H26
ENE
1/2 - 1 Mile
Lower

MO WELLS MO7000000004630

| | | | |
|----------------------------------|--------------------------------------|------------------------------|----------------|
| Database: | Missouri Public Drinking Water Wells | | |
| DGLS ID: | 104465 | LOGMAIN ID: | 0024981 |
| Well Certification #: | Not Reported | PWSS Name: | Rolla |
| PWSS ID: | 3010700 | IPWS ID: | MO3010700 |
| Well #: | 10 | Local Name: | I-44 |
| Well ID: | 14329 | Facility Type: | City |
| Federal Water System Type: | Community | Status: | Active |
| Drill Date: | 1967 | Abandoned: | 0 |
| Plugged: | 0 | Material Type: | Consolidated |
| Formation at Casing Depth: | Gasconade | Formation at Total Depth: | Elvins |
| Total Depth: | 1140 | Ground Elevation: | 1076 |
| Top Seal Type: | Pressure Grout | Bottom Seal Type: | Pressure Grout |
| Casing Depth: | 323 | Casing Diameter: | 12 |
| Casing Type: | Steel | Casing Elevation: | 1073 |
| Casing Height: | 0 | Outer Well Casing Depth: | 8 |
| Outer Casing Diameter: | 20 | Screen Length (ft): | -9999 |
| Screen Size (in): | -9999 | Depth to Static Water Level: | 135 |
| Max Yield (gal/min): | 572 | Dynamic Head of Pump: | 95 |
| Drawdown: | 85 | Year of Pump Test: | 1989 |
| Pump Type: | Vertical Turbine | | |
| Pump Manufacturer: | Layne | Pump Depth: | 500 |
| Pump Capacity: | 550 | Has Pump Meter: | Y |
| Has Stand-by Power: | N | VOC detections: | N |
| Nitrates Detected: | N | Chlorination Used: | Y |
| Filtration Used: | N | GWUDISW: | N |
| Meets Construction Requirements: | Y | Surface Drainage: | Satisfactory |
| Water System Entry Point ID: | Y | SWIP Wellhead Status: | Verified |

I27
NNE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011423

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 018310 |
| Elevation: | 1034 | Static Water Level: | 185 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

28
West
1/2 - 1 Mile
Higher

MO WELLS MOLOG1000011300

Database: Geologic Well Log Database ID: 007122
Elevation: 1206 Static Water Level: 0

29
SE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011192

Database: Geologic Well Log Database ID: 010741
Elevation: 0 Static Water Level: 0

30
SE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011215

Database: Geologic Well Log Database ID: 007769
Elevation: 1124 Static Water Level: 0

I31
NNE
1/2 - 1 Mile
Lower

MO WELLS MO7000000004629

| | | | |
|----------------------------|--------------------------------------|----------------------------------|------------------|
| Database: | Missouri Public Drinking Water Wells | | |
| DGLS ID: | 104463 | LOGMAIN ID: | Not Reported |
| Well Certification #: | Not Reported | PWSS Name: | Scenic View MHP |
| PWSS ID: | 3048132 | IPWS ID: | MO3048132 |
| Well #: | 1 | Local Name: | Well #1 |
| Well ID: | 14390 | Facility Type: | Mobile Home Park |
| Federal Water System Type: | Community | Status: | Inactive |
| Drill Date: | 1967 | Abandoned: | 0 |
| Plugged: | 0 | Material Type: | Consolidated |
| Formation at Casing Depth: | Jefferson City | Formation at Total Depth: | Gasconade |
| Total Depth: | 437 | Ground Elevation: | 0 |
| Top Seal Type: | Split Ring | Bottom Seal Type: | Not Reported |
| Casing Depth: | 28 | Casing Diameter: | 6 |
| Casing Type: | Steel | Casing Elevation: | 0 |
| Casing Height: | 0 | Outer Well Casing Depth: | 0 |
| Outer Casing Diameter: | 0 | Screen Length (ft): | -9999 |
| Screen Size (in): | -9999 | Depth to Static Water Level: | 0 |
| Max Yield (gall/min): | 20 | Dynamic Head of Pump: | 0 |
| Drawdown: | 0 | Year of Pump Test: | 0 |
| Pump Type: | Submersible | Pump Manufacturer: | Not Reported |
| Pump Depth: | 0 | Pump Capacity: | 0 |
| Has Pump Meter: | N | Has Stand-by Power: | N |
| VOC detections: | N | Nitrates Detected: | N |
| Chlorination Used: | N | Filtration Used: | N |
| GWUDISW: | Not Reported | Meets Construction Requirements: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Surface Drainage:
SWIP Wellhead Status:

Satisfactory
Verified

Water System Entry Point ID: Y

32
West
1/2 - 1 Mile
Higher

MO WELLS MOLOG1000011335

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 010580 |
| Elevation: | 1191 | Static Water Level: | 225 |

33
ENE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011347

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 002652 |
| Elevation: | 1138 | Static Water Level: | 0 |

34
NE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011422

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 024997 |
| Elevation: | 1027 | Static Water Level: | 0 |

J35
SE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011190

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 011315 |
| Elevation: | 1105 | Static Water Level: | 0 |

J36
SE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011191

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 014397 |
| Elevation: | 1105 | Static Water Level: | 0 |

37
NE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011383

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 005756 |
| Elevation: | 1046 | Static Water Level: | 28 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

38
SSE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011141

Database: Geologic Well Log Database ID: 003225
Elevation: 1084 Static Water Level: 0

39
NE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011403

Database: Geologic Well Log Database ID: 006007
Elevation: 1044 Static Water Level: 90

40
SE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011189

Database: Geologic Well Log Database ID: 002263
Elevation: 1099 Static Water Level: 0

K41
SSE
1/2 - 1 Mile
Lower

MO WELLS MO7000000004637

| | | | |
|----------------------------|--------------------------------------|----------------------------------|----------------|
| Database: | Missouri Public Drinking Water Wells | | |
| DGLS ID: | 104472 | LOGMAIN ID: | 0003225 |
| Well Certification #: | Not Reported | PWSS Name: | Rolla |
| PWSS ID: | 3010700 | IPWS ID: | MO3010700 |
| Well #: | 2 | Local Name: | 4th Street |
| Well ID: | 14273 | Facility Type: | City |
| Federal Water System Type: | Community | Status: | Active |
| Drill Date: | 1934 | Abandoned: | 0 |
| Plugged: | 0 | Material Type: | Consolidated |
| Formation at Casing Depth: | Gasconade | Formation at Total Depth: | Lamotte |
| Total Depth: | 1745 | Ground Elevation: | 1089 |
| Top Seal Type: | Pressure Grout | Bottom Seal Type: | Pressure Grout |
| Casing Depth: | 494 | Casing Diameter: | 10 |
| Casing Type: | Steel | Casing Elevation: | 1084 |
| Casing Height: | 0 | Outer Well Casing Depth: | 0 |
| Outer Casing Diameter: | 0 | Screen Length (ft): | -9999 |
| Screen Size (in): | -9999 | Depth to Static Water Level: | 295 |
| Max Yield (gall/min): | 176 | Dynamic Head of Pump: | 85 |
| Drawdown: | 55 | Year of Pump Test: | 1995 |
| Pump Type: | Submersible | Pump Manufacturer: | Crown |
| Pump Depth: | 630 | Pump Capacity: | 208 |
| Has Pump Meter: | Y | Has Stand-by Power: | N |
| VOC detections: | N | Nitrates Detected: | N |
| Chlorination Used: | Y | Filtration Used: | N |
| GWUDISW: | N | Meets Construction Requirements: | Y |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Surface Drainage:
SWIP Wellhead Status:

Satisfactory
Verified

Water System Entry Point ID: Y

K42
SSE
1/2 - 1 Mile
Lower

FED USGS USGS40000691534

| | | | |
|------------------------|-------------------------------|-----------------------------|------------------------------------|
| Organization ID: | USGS-MO | Organization Name: | USGS Missouri Water Science Center |
| Monitor Location: | T37N R08W 11ACA | Type: | Well |
| Description: | Not Reported | HUC: | 07140102 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Ozark Plateaus aquifer system | Aquifer Type: | Not Reported |
| Formation Type: | Not Reported | Well Depth: | 1745 |
| Construction Date: | 19340000 | Well Hole Depth: | Not Reported |
| Well Depth Units: | ft | | |
| Well Hole Depth Units: | Not Reported | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 2 | Level reading date: | 1998-02-25 |
| Feet below surface: | 445.2 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|---------------------|--------------|---------------------|--------------|
| Level reading date: | 1991 | Feet below surface: | 295 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

K43
SSE
1/2 - 1 Mile
Lower

FED USGS USGS40000691539

| | | | |
|------------------------|-------------------------------|-----------------------------|------------------------------------|
| Organization ID: | USGS-MO | Organization Name: | USGS Missouri Water Science Center |
| Monitor Location: | T37N R08W 11A | Type: | Well |
| Description: | Not Reported | HUC: | 07140102 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Ozark Plateaus aquifer system | Aquifer Type: | Confined multiple aquifer |
| Formation Type: | Potosi Dolomite | Well Depth: | 1745 |
| Construction Date: | 19341200 | Well Hole Depth: | 1745 |
| Well Depth Units: | ft | | |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 3 | Level reading date: | 1936-07-23 |
| Feet below surface: | 240 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|---------------------|--------------|---------------------|--------------|
| Level reading date: | 1936-07-01 | Feet below surface: | 235 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

| | | | |
|---------------------|--------------|---------------------|--------------|
| Level reading date: | 1934-12 | Feet below surface: | 235 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

L44
South
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011108

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 009515 |
| Elevation: | 1079 | Static Water Level: | 0 |

L45
South
1/2 - 1 Mile
Lower

MO WELLS MO700000004639

| | | | |
|----------------------------------|--------------------------------------|------------------------------|----------------|
| Database: | Missouri Public Drinking Water Wells | | |
| DGLS ID: | 104474 | LOGMAIN ID: | 0009515 |
| Well Certification #: | Not Reported | PWSS Name: | Rolla |
| PWSS ID: | 3010700 | IPWS ID: | MO3010700 |
| Well #: | 5 | Local Name: | Walker Ave. |
| Well ID: | 14280 | Facility Type: | City |
| Federal Water System Type: | Community | Status: | Active |
| Drill Date: | 1947 | Abandoned: | 0 |
| Plugged: | 0 | Material Type: | Consolidated |
| Formation at Casing Depth: | Gasconade | Formation at Total Depth: | Elvins |
| Total Depth: | 1150 | Ground Elevation: | 1053 |
| Top Seal Type: | Pressure Grout | Bottom Seal Type: | Pressure Grout |
| Casing Depth: | 280 | Casing Diameter: | 12 |
| Casing Type: | Steel | Casing Elevation: | 1050 |
| Casing Height: | 0 | Outer Well Casing Depth: | 15 |
| Outer Casing Diameter: | 20 | Screen Length (ft): | -9999 |
| Screen Size (in): | -9999 | Depth to Static Water Level: | 290 |
| Max Yield (gal/min): | 533 | Dynamic Head of Pump: | 95 |
| Drawdown: | 157 | Year of Pump Test: | 1991 |
| Pump Type: | Vertical Turbine | | |
| Pump Manufacturer: | Layne | Pump Depth: | 510 |
| Pump Capacity: | 564 | Has Pump Meter: | Y |
| Has Stand-by Power: | N | VOC detections: | N |
| Nitrates Detected: | N | Chlorination Used: | Y |
| Filtration Used: | N | GWUDISW: | N |
| Meets Construction Requirements: | Y | Surface Drainage: | Satisfactory |
| Water System Entry Point ID: | Y | SWIP Wellhead Status: | Verified |

L46
South
1/2 - 1 Mile
Lower

FED USGS USGS40000691527

| | | | |
|------------------------|-------------------------------|-----------------------------|------------------------------------|
| Organization ID: | USGS-MO | Organization Name: | USGS Missouri Water Science Center |
| Monitor Location: | T37N R08W 11BDC | Type: | Well |
| Description: | Not Reported | HUC: | 07140102 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Ozark Plateaus aquifer system | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 19460000 | Well Depth: | 1133 |
| Well Depth Units: | ft | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | |
|--|---------------------------------|
| Ground water levels, Number of Measurements: 2 | Level reading date: 1998-02-23 |
| Feet below surface: 410 | Feet to sea level: Not Reported |
| Note: Not Reported | |
| Level reading date: 1991 | Feet below surface: 290 |
| Feet to sea level: Not Reported | Note: Not Reported |

| | | |
|---|-----------------------|------------------------|
| 47 WNW 1/2 - 1 Mile Higher | MO WELLS | MOLOG1000011369 |
| Database: Geologic Well Log Database | ID: 025110 | |
| Elevation: 1186 | Static Water Level: 0 | |

| | | |
|---|-----------------------|------------------------|
| 48 ENE 1/2 - 1 Mile Higher | MO WELLS | MOLOG1000011375 |
| Database: Geologic Well Log Database | ID: 008588 | |
| Elevation: 1170 | Static Water Level: 0 | |

| | | |
|--|-----------------------|------------------------|
| 49 NNE 1/2 - 1 Mile Lower | MO WELLS | MOLOG1000011480 |
| Database: Geologic Well Log Database | ID: 015112 | |
| Elevation: 994 | Static Water Level: 0 | |

| | | |
|---|------------------------|------------------------|
| 50 NE 1/2 - 1 Mile Lower | MO WELLS | MOLOG1000011446 |
| Database: Geologic Well Log Database | ID: 002452 | |
| Elevation: 1075 | Static Water Level: 80 | |

| | | |
|--|------------------------|------------------------|
| 51 WNW 1/2 - 1 Mile Lower | MO WELLS | MOLOG1000011362 |
| Database: Geologic Well Log Database | ID: 008600 | |
| Elevation: 1184 | Static Water Level: 90 | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

52
SSE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011106

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 005434 |
| Elevation: | 0 | Static Water Level: | 8 |

53
SSE
1/2 - 1 Mile
Lower

MO WELLS MOLOG1000011097

| | | | |
|------------|----------------------------|---------------------|--------|
| Database: | Geologic Well Log Database | ID: | 002101 |
| Elevation: | 0 | Static Water Level: | 0 |

M54
East
1/2 - 1 Mile
Lower

FED USGS USGS40000691568

| | | | |
|---|-------------------------------|-----------------------------|------------------------------------|
| Organization ID: | USGS-MO | Organization Name: | USGS Missouri Water Science Center |
| Monitor Location: | T37N R08W 01CAB4 | Type: | Well |
| Description: | Not Reported | HUC: | 07140102 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Ozark Plateaus aquifer system | Aquifer Type: | Confined multiple aquifer |
| Formation Type: | Potosi Dolomite | Well Depth: | 1169 |
| Construction Date: | 19420801 | Well Hole Depth: | 1175 |
| Well Depth Units: | ft | | |
| Well Hole Depth Units: | ft | | |
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1942-08-01 |
| Feet below surface: | 245 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

M55
East
1/2 - 1 Mile
Lower

MO WELLS MO7000000004632

| | | | |
|----------------------------|--------------------------------------|---------------------------|----------------|
| Database: | Missouri Public Drinking Water Wells | | |
| DGLS ID: | 104467 | LOGMAIN ID: | 0007915 |
| Well Certification #: | Not Reported | PWSS Name: | Rolla |
| PWSS ID: | 3010700 | IPWS ID: | MO3010700 |
| Well #: | 3 | Local Name: | MD & Holloway |
| Well ID: | 14278 | Facility Type: | City |
| Federal Water System Type: | Community | Status: | Active |
| Drill Date: | 1942 | Abandoned: | 0 |
| Plugged: | 0 | Material Type: | Consolidated |
| Formation at Casing Depth: | Gasconade | Formation at Total Depth: | Elvins |
| Total Depth: | 1175 | Ground Elevation: | 1135 |
| Top Seal Type: | Pressure Grout | Bottom Seal Type: | Pressure Grout |
| Casing Depth: | 392 | Casing Diameter: | 10 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------------------------|------------------|------------------------------|--------------|
| Casing Type: | Steel | Casing Elevation: | 1109 |
| Casing Height: | 0 | Outer Well Casing Depth: | 124 |
| Outer Casing Diameter: | 16 | Screen Length (ft): | -9999 |
| Screen Size (in): | -9999 | Depth to Static Water Level: | 165 |
| Max Yield (gal/min): | 453 | Dynamic Head of Pump: | 95 |
| Drawdown: | 70 | Year of Pump Test: | 1989 |
| Pump Type: | Vertical Turbine | | |
| Pump Manufacturer: | Layne | Pump Depth: | 550 |
| Pump Capacity: | 453 | Has Pump Meter: | Y |
| Has Stand-by Power: | Y | VOC detections: | N |
| Nitrates Detected: | N | Chlorination Used: | Y |
| Filtration Used: | N | GWUDISW: | N |
| Meets Construction Requirements: | Y | Surface Drainage: | Satisfactory |
| Water System Entry Point ID: | Y | SWIP Wellhead Status: | Verified |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MO Radon

Radon Test Results

| Zipcode | Test Date | Result |
|---------|-----------|--------|
| 65401 | 02/21/09 | 1.1 |
| 65401 | 02/10/09 | 3.7 |
| 65401 | 02/12/08 | 0.6 |
| 65401 | 03/28/09 | 1.4 |
| 65401 | 03/30/09 | 3.4 |
| 65401 | 03/30/09 | 4.5 |
| 65401 | 04/11/08 | 2.3 |
| 65401 | 04/26/08 | ???? |
| 65401 | 04/29/06 | ???? |
| 65401 | 02/23/08 | 1.3 |
| 65401 | 02/27/07 | 0.7 |
| 65401 | 02/27/09 | 0.9 |
| 65401 | 03/09/07 | 1.1 |
| 65401 | 03/09/09 | 6 |
| 65401 | 05/05/08 | 6.9 |

Federal EPA Radon Zone for PHELPS County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 65401

Number of sites tested: 7

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 0.580 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 1.471 pCi/L | 86% | 14% | 0% |

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: National Wetland Inventory of Missouri

Source: Department of Natural Resources

Telephone: 573-751-5110

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Missouri Public Drinking Water Wells

Source: Department of Natural Resources

Telephone: 573-526-5448

Missouri Geologic Well Log Database

Source: Department of Natural Resources

Telephone: 573-526-5448

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Department of Natural Resources

Telephone: 573-368-2143

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Appendix 16.8

Tier 1 Vapor Encroachment Screen

Missouri S & T Buildings

1001 Collegiate Boulevard

Rolla, MO 65401

Inquiry Number: 06993336.2r

July 1, 2022

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

TABLE OF CONTENTS

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| Executive Summary | ES1 |
| Primary Map | 2 |
| Secondary Map | 3 |
| Map Findings | 4 |
| Record Sources and Currency | GR-1 |

Thank you for your business.
 Please contact EDR at 1-800-352-0050
 with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

| STANDARD ENVIRONMENTAL RECORDS | Default Area of Concern (Miles)* | property | 1/10 | > 1/10 |
|---|---|-----------------|-------------|------------------|
| Lists of Federal NPL (Superfund) sites | 1.0 | 0 | 0 | 0 |
| Lists of Federal Delisted NPL sites | 1.0 | 0 | 0 | 0 |
| Lists of Federal sites subject to CERCLA removals and CERCLA orders | 1.0 | 0 | 0 | 0 |
| Lists of Federal CERCLA sites with NFRAP | 0.5 | 0 | 0 | 0 |
| Lists of Federal RCRA facilities undergoing Corrective Action | 1.0 | 0 | 0 | 0 |
| Lists of Federal RCRA TSD facilities | 0.5 | 0 | 0 | 0 |
| Lists of Federal RCRA generators | 0.25 | 0 | 0 | 0 |
| Federal institutional controls / engineering controls registries | 0.5 | 0 | 0 | 0 |
| Federal ERNS list | property | 0 | - | - |
| Lists of state- and tribal (Superfund) equivalent sites | not searched | - | - | - |
| Lists of state- and tribal hazardous waste facilities | 1.0 | 0 | 0 | 0 |
| Lists of state and tribal landfills and solid waste disposal facilities | 0.5 | 0 | 0 | 0 |
| Lists of state and tribal leaking storage tanks | 0.5 | 0 | 0 | 0 |
| Lists of state and tribal registered storage tanks | 0.25 | 0 | 0 | 0 |
| State and tribal institutional control / engineering control registries | 0.5 | 0 | 0 | 0 |
| Lists of state and tribal voluntary cleanup sites | 0.5 | 0 | 0 | 0 |
| Lists of state and tribal brownfield sites | 0.5 | 0 | 0 | 0 |

ADDITIONAL ENVIRONMENTAL RECORDS

| | | | | |
|--|--------------|---|---|---|
| Local Brownfield lists | 0.5 | 0 | 0 | 0 |
| Local Lists of Landfill / Solid Waste Disposal Sites | 0.5 | 0 | 0 | 0 |
| Local Lists of Hazardous waste / Contaminated Sites | 1.0 | 0 | 0 | 0 |
| Local Lists of Registered Storage Tanks | not searched | - | - | - |
| Local Land Records | not searched | - | - | - |
| Records of Emergency Release Reports | property | 0 | - | - |
| Other Ascertainable Records | 1.0 | 0 | 0 | 0 |

EDR HIGH RISK HISTORICAL RECORDS

| | | | | |
|------------------------------------|--------------|---|---|---|
| EDR Exclusive Records | not searched | - | - | - |
| Exclusive Recovered Govt. Archives | 1.0 | 0 | 0 | 0 |

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

| | | | | |
|------------------------------------|--------------|---|---|---|
| EDR Exclusive Records | not searched | - | - | - |
| Exclusive Recovered Govt. Archives | 1.0 | 0 | 0 | 0 |

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

MISSOURI S & T BUILDINGS
1001 COLLEGIATE BOULEVARD
ROLLA, MO 65401

COORDINATES

| | |
|-------------------|--------------------------------|
| Latitude (North): | 37.957923 - 37° 57' 28.526001" |
| Longitude (West): | 91.779882 - 91° 46' 47.58362" |
| Elevation: | 1183 ft. above sea level |

EXECUTIVE SUMMARY

SEARCH RESULTS

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

| <u>Name</u> | <u>Address</u> | <u>Dist/Dir</u> | <u>Map ID</u> | <u>Page</u> |
|--------------|----------------|-----------------|---------------|-------------|
| Not Reported | | | | |

ADDITIONAL ENVIRONMENTAL RECORDS

| <u>Name</u> | <u>Address</u> | <u>Dist/Dir</u> | <u>Map ID</u> | <u>Page</u> |
|--------------|----------------|-----------------|---------------|-------------|
| Not Reported | | | | |

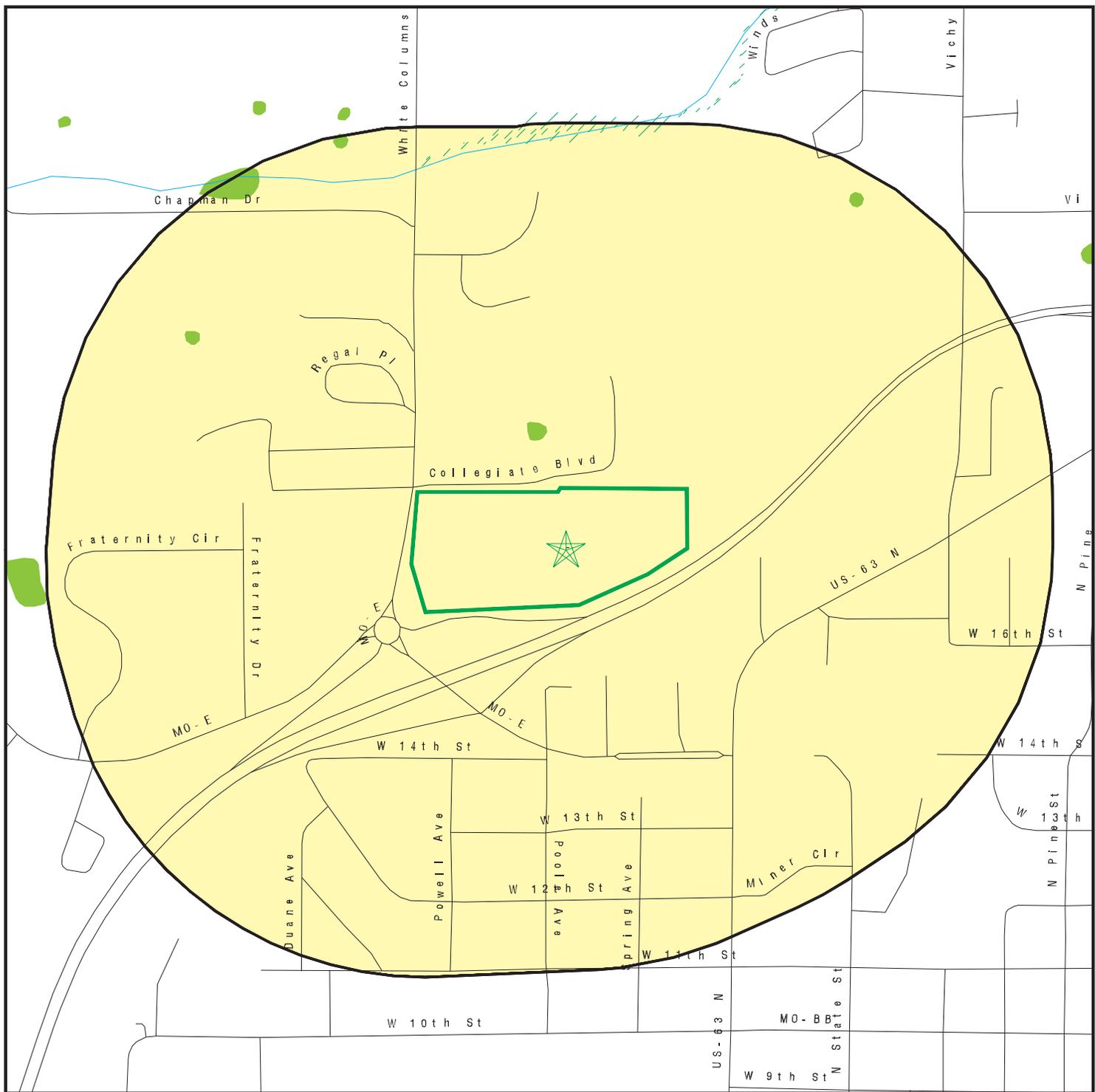
EDR HIGH RISK HISTORICAL RECORDS

| <u>Name</u> | <u>Address</u> | <u>Dist/Dir</u> | <u>Map ID</u> | <u>Page</u> |
|--------------|----------------|-----------------|---------------|-------------|
| Not Reported | | | | |

EDR RECOVERED GOVERNMENT ARCHIVES

| <u>Name</u> | <u>Address</u> | <u>Dist/Dir</u> | <u>Map ID</u> | <u>Page</u> |
|--------------|----------------|-----------------|---------------|-------------|
| Not Reported | | | | |

PRIMARY MAP - 06993336.2R



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  National Priority List Sites

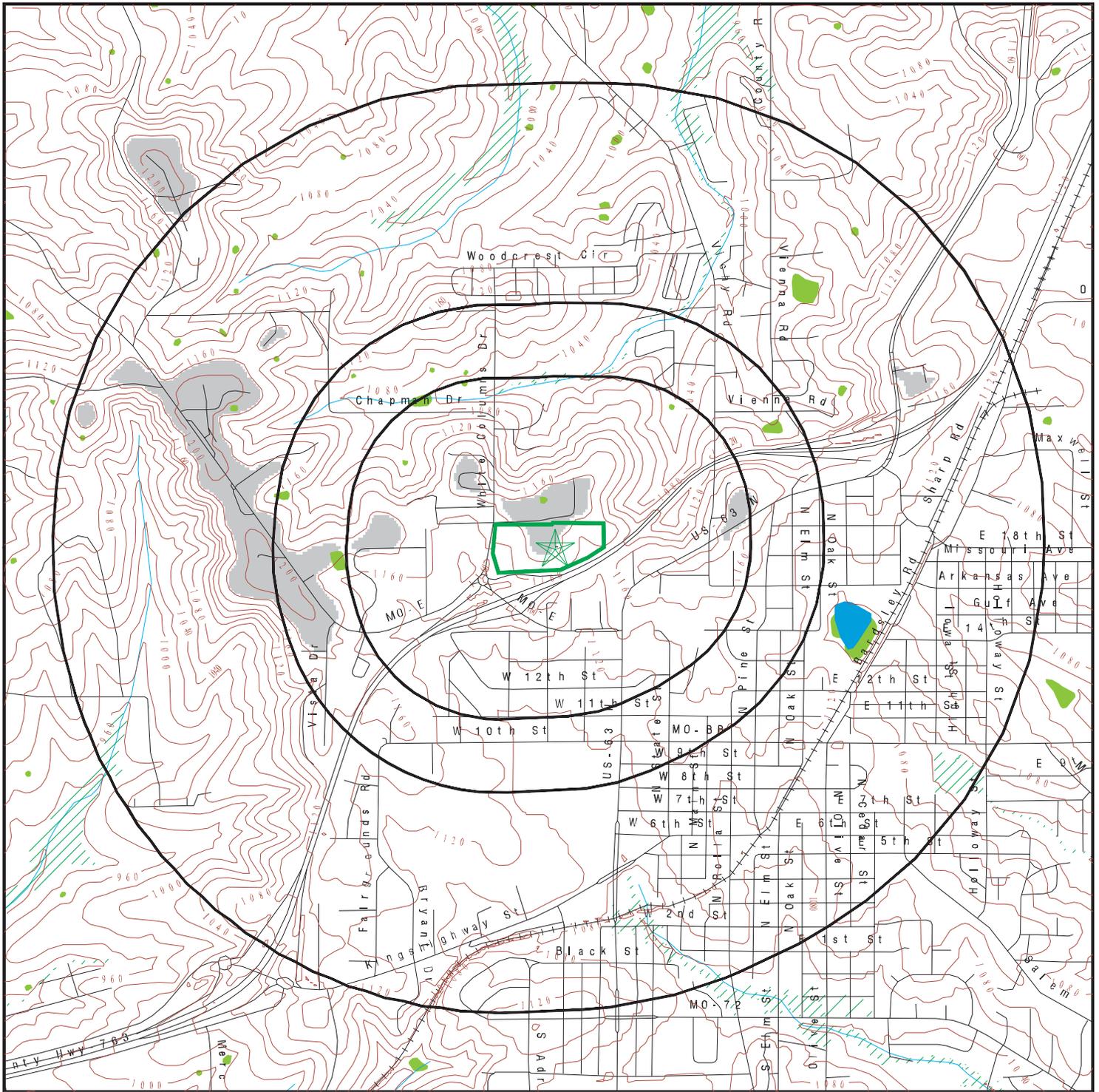
-  Special Flood Hazard Area (1%)
 -  0.2% Annual Chance Flood Hazard
 -  National Wetland Inventory
 -  State Wetlands
- 0 300 1/3 1/2 Miles
- 

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Missouri S & T Buildings
ADDRESS: 1001 Collegiate Boulevard
 Rolla MO 65401
LAT/LONG: 37.957923 / 91.779882

CLIENT: Environmental Operations, Inc.
CONTACT: Alexandra Algere
INQUIRY #: 06993336.2r
DATE: May 24, 2022 4:36 pm

SECONDARY MAP - 06993336.2R



 Target Property

 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property

 National Priority List Sites

 Special Flood Hazard Area (1%)

 0.2% Annual Chance Flood Hazard

 National Wetland Inventory

 State Wetlands

 Upgradient Area

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Missouri S & T Buildings
ADDRESS: 1001 Collegiate Boulevard
 Rolla MO 65401
LAT/LONG: 37.957923 / 91.779882

CLIENT: Environmental Operations, Inc.
CONTACT: Alexandra Algere
INQUIRY #: 06993336.2r
DATE: May 24, 2022 4:35 pm

MAP FINDINGS

LEGEND

| | | | | |
|---|--------------------|--|-------------------------|--|
| FACILITY NAME | | FACILITY ADDRESS, CITY, ST, ZIP | | EDR SITE ID NUMBER |
| ◆ MAP ID# | Direction | Distance Range | (Distance feet / miles) | ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency. |
| | Relative Elevation | Feet Above Sea Level | | |
| Worksheet: | | | | |
| Comments: Comments may be added on the online Vapor Encroachment Worksheet. | | | | |

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov. Date | Arvl. Date | Active Date |
|---|------------------|--|---|------------|------------|-------------|
| ENVIRONMENTAL RECORDS | | | | | | |
| Federal NPL site list | | | | | | |
| US | NPL | National Priority List | EPA | 01/25/2022 | 02/03/2022 | 02/22/2022 |
| US | Proposed NPL | Proposed National Priority List Sites | EPA | 01/25/2022 | 02/03/2022 | 02/22/2022 |
| Federal CERCLIS list | | | | | | |
| US | SEMS | Superfund Enterprise Management System | EPA | 01/25/2022 | 02/03/2022 | 02/22/2022 |
| Federal RCRA CORRACTS facilities list | | | | | | |
| US | CORRACTS | Corrective Action Report | EPA | 02/28/2022 | 03/02/2022 | 03/17/2022 |
| Federal RCRA TSD facilities list | | | | | | |
| US | RCRA-TSDF | RCRA - Treatment, Storage and Disposal | Environmental Protection Agency | 02/28/2022 | 03/02/2022 | 03/17/2022 |
| Federal RCRA generators list | | | | | | |
| US | RCRA-LQG | RCRA - Large Quantity Generators | Environmental Protection Agency | 02/28/2022 | 03/02/2022 | 03/17/2022 |
| US | RCRA-SQG | RCRA - Small Quantity Generators | Environmental Protection Agency | 02/28/2022 | 03/02/2022 | 03/17/2022 |
| US | RCRA-VSQG | RCRA - Very Small Quantity Generators (Formerly Conditionall | Environmental Protection Agency | 02/28/2022 | 03/02/2022 | 03/17/2022 |
| Federal institutional controls / engineering controls registries | | | | | | |
| US | US ENG CONTROLS | Engineering Controls Sites List | Environmental Protection Agency | 11/19/2021 | 11/19/2021 | 02/14/2022 |
| US | US INST CONTROLS | Institutional Controls Sites List | Environmental Protection Agency | 11/19/2021 | 11/19/2021 | 02/14/2022 |
| Federal ERNS list | | | | | | |
| US | ERNS | Emergency Response Notification System | National Response Center, United States Coast | 12/31/2021 | 03/01/2022 | 03/10/2022 |
| State and tribal - equivalent CERCLIS | | | | | | |
| MO | SHWS | Registry of Confirmed Abandoned or Uncontrolled Hazardous Wa | Department of Natural Resources | 09/21/2020 | 09/23/2020 | 12/15/2020 |
| MO | HWS DETAIL | Registry Annual Report | Department of Natural Resources | 06/30/2021 | 02/25/2022 | 05/20/2022 |
| State and tribal landfill / solid waste disposal | | | | | | |
| MO | SWF/LF | Solid Waste Facility List | Department of Natural Resources | 02/22/2022 | 02/23/2022 | 05/20/2022 |
| State and tribal leaking storage tank lists | | | | | | |
| MO | LUST | Leaking Underground Storage Tanks | Department of Natural Resources | 11/29/2021 | 12/08/2021 | 02/24/2022 |
| MO | LAST | Leaking Aboveground Storage Tanks | Department of Natural Resources | 11/29/2021 | 12/08/2021 | 02/24/2022 |
| US | INDIAN LUST R5 | Leaking Underground Storage Tanks on Indian Land | EPA, Region 5 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN LUST R10 | Leaking Underground Storage Tanks on Indian Land | EPA Region 10 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN LUST R8 | Leaking Underground Storage Tanks on Indian Land | EPA Region 8 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN LUST R7 | Leaking Underground Storage Tanks on Indian Land | EPA Region 7 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN LUST R6 | Leaking Underground Storage Tanks on Indian Land | EPA Region 6 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN LUST R1 | Leaking Underground Storage Tanks on Indian Land | EPA Region 1 | 04/28/2021 | 06/11/2021 | 09/07/2021 |
| US | INDIAN LUST R4 | Leaking Underground Storage Tanks on Indian Land | EPA Region 4 | 05/28/2021 | 06/22/2021 | 09/20/2021 |
| US | INDIAN LUST R9 | Leaking Underground Storage Tanks on Indian Land | Environmental Protection Agency | 10/12/2021 | 11/15/2021 | 02/08/2022 |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl Date | Active Date |
|--|-------------------|--|---|------------|------------|-------------|
| State and tribal registered storage tank lists | | | | | | |
| MO | UST | Petroleum Storage Tanks | Department of Natural Resources | 11/29/2021 | 12/08/2021 | 02/24/2022 |
| MO | AST | Aboveground Petroleum Storage Tanks | Department of Agriculture | 02/22/2022 | 02/24/2022 | 05/20/2022 |
| US | INDIAN UST R6 | Underground Storage Tanks on Indian Land | EPA Region 6 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN UST R7 | Underground Storage Tanks on Indian Land | EPA Region 7 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN UST R9 | Underground Storage Tanks on Indian Land | EPA Region 9 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN UST R4 | Underground Storage Tanks on Indian Land | EPA Region 4 | 05/28/2021 | 06/22/2021 | 09/20/2021 |
| US | INDIAN UST R8 | Underground Storage Tanks on Indian Land | EPA Region 8 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN UST R5 | Underground Storage Tanks on Indian Land | EPA Region 5 | 04/06/2021 | 06/11/2021 | 09/07/2021 |
| US | INDIAN UST R1 | Underground Storage Tanks on Indian Land | EPA, Region 1 | 10/14/2021 | 11/15/2021 | 02/08/2022 |
| US | INDIAN UST R10 | Underground Storage Tanks on Indian Land | EPA Region 10 | 10/12/2021 | 11/15/2021 | 02/08/2022 |
| US | FEMA UST | Underground Storage Tank Listing | FEMA | 10/14/2021 | 11/05/2021 | 02/01/2022 |
| State and tribal institutional control / engineering control registries | | | | | | |
| MO | AUL | Sites with Controls | Department of Natural Resources | 02/07/2022 | 02/08/2022 | 05/05/2022 |
| State and tribal voluntary cleanup sites | | | | | | |
| MO | VCP | Sites Participating in the Voluntary Cleanup Program | Department of Natural Resources | 02/07/2022 | 02/08/2022 | 05/05/2022 |
| State and tribal Brownfields sites | | | | | | |
| MO | BROWNFIELDS | Brownfields Site List | Department of Natural Resources | 02/07/2022 | 02/08/2022 | 05/05/2022 |
| Other Records | | | | | | |
| US | CONSENT | Superfund (CERCLA) Consent Decrees | Department of Justice, Consent Decree Library | 12/31/2021 | 01/14/2022 | 03/25/2022 |
| US | ROD | Records Of Decision | EPA | 01/25/2022 | 02/03/2022 | 02/22/2022 |
| MO | DEL SHWS | Registry Sites Withdrawn or Deleted | Department of Natural Resources | 09/21/2020 | 09/23/2020 | 12/15/2020 |
| MO | HIST LF | Solid Waste Facility Database List | Department of Natural Resources | 04/12/2005 | 07/19/2006 | 08/18/2006 |
| MO | SWRCY | Solid Waste Recycling Facilities | Department of Natural Resources | 05/18/2021 | 05/18/2021 | 08/04/2021 |
| US | PCB TRANSFORMER | PCB Transformer Registration Database | Environmental Protection Agency | 09/13/2019 | 11/06/2019 | 02/10/2020 |
| US | US FIN ASSUR | Financial Assurance Information | Environmental Protection Agency | 12/13/2021 | 12/17/2021 | 03/17/2022 |
| US | US AIRS MINOR | Air Facility System Data | EPA | 10/12/2016 | 10/26/2016 | 02/03/2017 |
| US | US AIRS (AFS) | Aerometric Information Retrieval System Facility Subsystem (| EPA | 10/12/2016 | 10/26/2016 | 02/03/2017 |
| US | EPA WATCH LIST | EPA WATCH LIST | Environmental Protection Agency | 08/30/2013 | 03/21/2014 | 06/17/2014 |
| US | LEAD SMELTER 2 | Lead Smelter Sites | American Journal of Public Health | 04/05/2001 | 10/27/2010 | 12/02/2010 |
| US | COAL ASH EPA | Coal Combustion Residues Surface Impoundments List | Environmental Protection Agency | 01/12/2017 | 03/05/2019 | 11/11/2019 |
| US | LEAD SMELTER 1 | Lead Smelter Sites | Environmental Protection Agency | 01/25/2022 | 02/03/2022 | 02/22/2022 |
| US | 2020 COR ACTION | 2020 Corrective Action Program List | Environmental Protection Agency | 09/30/2017 | 05/08/2018 | 07/20/2018 |
| US | COAL ASH DOE | Steam-Electric Plant Operation Data | Department of Energy | 12/31/2020 | 11/30/2021 | 02/22/2022 |
| US | FUSRAP | Formerly Utilized Sites Remedial Action Program | Department of Energy | 07/26/2021 | 07/27/2021 | 10/22/2021 |
| US | Delisted NPL | National Priority List Deletions | EPA | 01/25/2022 | 02/03/2022 | 02/22/2022 |
| US | SEMS-ARCHIVE | Superfund Enterprise Management System Archive | EPA | 01/25/2022 | 02/03/2022 | 02/22/2022 |
| US | RCRA NonGen / NLR | RCRA - Non Generators / No Longer Regulated | Environmental Protection Agency | 02/28/2022 | 03/02/2022 | 03/17/2022 |
| US | HMIRS | Hazardous Materials Information Reporting System | U.S. Department of Transportation | 12/15/2021 | 12/16/2021 | 03/10/2022 |
| US | US BROWNFIELDS | A Listing of Brownfields Sites | Environmental Protection Agency | 02/23/2022 | 03/10/2022 | 03/10/2022 |
| US | FEDLAND | Federal and Indian Lands | U.S. Geological Survey | 04/02/2018 | 04/11/2018 | 11/06/2019 |
| US | PRP | Potentially Responsible Parties | EPA | 01/25/2022 | 02/03/2022 | 02/25/2022 |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov. Date | Arvl. Date | Active Date |
|----|-----------------------|--|---|------------|------------|-------------|
| US | TRIS | Toxic Chemical Release Inventory System | EPA | 12/31/2018 | 08/14/2020 | 11/04/2020 |
| US | TSCA | Toxic Substances Control Act | EPA | 12/31/2016 | 06/17/2020 | 09/10/2020 |
| US | PADS | PCB Activity Database System | EPA | 01/20/2022 | 01/20/2022 | 03/25/2022 |
| US | FINDS | Facility Index System/Facility Registry System | EPA | 11/04/2021 | 11/22/2021 | 02/25/2022 |
| US | RMP | Risk Management Plans | Environmental Protection Agency | 04/27/2022 | 05/04/2022 | 05/10/2022 |
| US | BRS | Biennial Reporting System | EPA/NTIS | 12/31/2019 | 03/02/2022 | 03/25/2022 |
| US | PWS | Public Water System Data | EPA | 12/17/2013 | 01/09/2014 | 10/15/2014 |
| US | INDIAN ODI | Report on the Status of Open Dumps on Indian Lands | Environmental Protection Agency | 12/31/1998 | 12/03/2007 | 01/24/2008 |
| US | IHS OPEN DUMPS | Open Dumps on Indian Land | Department of Health & Human Services, Indian | 04/01/2014 | 08/06/2014 | 01/29/2015 |
| US | ABANDONED MINES | Abandoned Mines | Department of Interior | 12/14/2021 | 12/15/2021 | 03/10/2022 |
| MO | AIRS | Permit Facility Listing | Department of Natural Resources | 11/01/2021 | 11/29/2021 | 02/24/2022 |
| MO | ASBESTOS | Asbestos Notification Listing | Department of Natural Resources | 01/03/2022 | 01/05/2022 | 03/22/2022 |
| MO | CDL | Environmental Emergency Response System | Department of Natural Resources | 06/01/2021 | 06/07/2021 | 09/01/2021 |
| MO | COAL ASH | Coal Ash Disposal Sites | Department of Natural Resources | 01/03/2018 | 02/01/2018 | 03/22/2018 |
| MO | DRYCLEANERS | Drycleaners in Missouri Listing | Department of Natural Resources | 11/30/2017 | 12/13/2017 | 01/18/2018 |
| MO | Financial Assurance 1 | Financial Assurance Information Listing | Department of Natural Resources | 01/11/2022 | 01/13/2022 | 03/23/2022 |
| MO | Financial Assurance 2 | Financial Assurance Information Listing | Department of Natural Resources | 06/30/2021 | 09/01/2021 | 11/22/2021 |
| MO | MINES | Industrial Mineral Mines Database | Department of Natural Resources | 04/30/2021 | 07/14/2021 | 10/07/2021 |
| MO | NPDES | Permitted Facility Listing | Department of Natural Resources | 04/08/2021 | 04/09/2021 | 06/28/2021 |
| MO | RRC | Certified Hazardous Waste Resource Recovery Facilities | Department of Natural Resources | 09/30/2020 | 10/06/2020 | 12/28/2020 |
| MO | SMARS | Site Management and Reporting System | Department of Natural Resources | 01/03/2022 | 01/26/2022 | 04/20/2022 |
| MO | SPILLS | Environmental Response Tracking Database | Department of Natural Resources | 06/01/2021 | 06/07/2021 | 09/01/2021 |
| MO | UIC | Underground Injection Wells Database | Department of Natural Resources | 01/11/2022 | 02/15/2022 | 05/12/2022 |
| US | FUELS PROGRAM | EPA Fuels Program Registered Listing | EPA | 02/17/2022 | 02/17/2022 | 05/10/2022 |
| US | DOCKET HWC | Hazardous Waste Compliance Docket Listing | Environmental Protection Agency | 05/06/2021 | 05/21/2021 | 08/11/2021 |
| MO | PFAS | PFAS Detections | Department of Natural Resources | 04/05/2021 | 05/25/2021 | 08/16/2021 |
| US | MINES MRDS | Mineral Resources Data System | USGS | 04/06/2018 | 10/21/2019 | 10/24/2019 |
| US | ECHO | Enforcement & Compliance History Information | Environmental Protection Agency | 01/01/2022 | 01/04/2022 | 01/10/2022 |
| US | FEDERAL FACILITY | Federal Facility Site Information listing | Environmental Protection Agency | 05/25/2021 | 06/24/2021 | 09/20/2021 |
| US | UXO | Unexploded Ordnance Sites | Department of Defense | 12/31/2020 | 01/11/2022 | 02/14/2022 |

HISTORICAL USE RECORDS

| | | | | | | |
|----|----------|--|---------------------------------|--|------------|------------|
| MO | RGA HWS | Recovered Government Archive State Hazardous Waste Facility | Department of Natural Resources | | 07/01/2013 | 01/03/2014 |
| MO | RGA LF | Recovered Government Archive Solid Waste Facilities List | Department of Natural Resources | | 07/01/2013 | 01/15/2014 |
| MO | RGA LUST | Recovered Government Archive Leaking Underground Storage Tan | Department of Natural Resources | | 07/01/2013 | 01/03/2014 |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St Acronym Full Name Government Agency Gov Date Arvl Date Active Date

STREET AND ADDRESS INFORMATION

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Appendix 16.9

Freedom of Information Act Documentation

Leah Johns

From: Jeana Bahr <jeana.bahr@phelpscounty.org>
Sent: Tuesday, May 24, 2022 8:56 AM
To: Leah Johns
Subject: RE: FOIA Request#22494

The only information we would have on this property would be septic and since it is in the city limits of Rolla, we have no information.

Thank you-
Jeana Bahr
Phelps/Maries Co. Health Dept.

From: Leah Johns <leah@environmentalops.com>
Sent: Tuesday, May 24, 2022 8:41 AM
To: Jeana Bahr <jeana.bahr@phelpscounty.org>
Subject: FOIA Request#22494

Salutations!

Please see the attached FOIA request and let me know if you have any questions or directions to better handle this request.

Thank you and have a great day!

Cheers,

Leah Johns (She/Her) | Environmental Researcher and Compliance Technician

Cell: 337.315.7404



leah@environmentalops.com | www.environmentalops.com

Environmental Consulting, Compliance, and Contracting



Please consider the environment before printing this email



May 24, 2022

Project #22494

Phelps County Health Department
200 N Main Street
Rolla, MO 65401
Phone: (573) 458-6010

Environmental Operations, Inc. is conducting a Phase I Environmental Assessment on properties located in Rolla, Missouri area. Under the Freedom of Information Act, we request any documents containing information, complaints, or environmental concerns (e.g., asbestos containing materials, polychlorinated biphenyls, hazardous materials or wastes use or release, petroleum product materials or wastes use or release, solid wastes disposal, underground storage tanks, leaking underground storage tanks, air emissions, water emissions, industrial activities, etc.) your agency may have regarding this site and surrounding properties.

We are willing to pay up to \$25 for each site, however, if it goes above this amount, please contact us for approval before proceeding.

PLEASE INCLUDE OUR PROJECT NUMBERS WITH YOUR RESPONSE.

*Missouri S & T
Collegiate Ave & Facilities Ave
Rolla, Missouri 65401
Project # 22494*

Thank you for your assistance. If you need additional information or have questions, please contact me by phone at (337) 315-7404 or email at Leah@environmentalops.com.

Respectfully,

Leah Johns
Environmental Technician

Environmental Consulting, Engineering, Remediation, Abatement and Demolition
7733 Forsyth Boulevard Suite 1600 St. Louis, Missouri 63105 314.241.0900
www.environmentalops.com

Leah Johns

From: Lorri Thurman <lthurman@rollacity.org>
Sent: Wednesday, May 25, 2022 10:15 AM
To: Leah Johns
Subject: RE: FOIA Request #22494

Good Morning! The only thing showing is from the Fire Dept. They responded to a call on April of 2003 for a leaking oxygen tank. There wasn't a long term environmental issue and there are no other reports or records.

Lorri M. Thurman

Rolla City Clerk
901 N. Elm
P.O. Box 979
Rolla, Mo 65402
lthurman@rollacity.org
573-426-6948 (direct)

From: Leah Johns <leah@environmentalops.com>
Sent: Tuesday, May 24, 2022 8:35 AM
To: Lorri Thurman <lthurman@rollacity.org>
Subject: FOIA Request #22494

Attn: Fire Department, Community Development, Public Works.

Salutations!

Please see the attached FOIA request and let me know if you have any questions or directions to better handle this request.

Thank you and have a great day!

Cheers,

Leah Johns (She/Her) | Environmental Researcher and Compliance Technician
Cell: 337.315.7404



leah@environmentalops.com | www.environmentalops.com

Environmental Consulting, Compliance, and Contracting



Please consider the environment before printing this email



May 24, 2022

Project #22494

City of Rolla
901 North Elm Street
Rolla, MO 65401
Email: lthurman@rollacity.org

Environmental Operations, Inc. is conducting a Phase I Environmental Assessment on properties located in Rolla, Missouri area. Under the Freedom of Information Act, we request any documents containing information, complaints, or environmental concerns (e.g., asbestos containing materials, polychlorinated biphenyls, hazardous materials or wastes use or release, petroleum product materials or wastes use or release, solid wastes disposal, underground storage tanks, leaking underground storage tanks, air emissions, water emissions, industrial activities, etc.) your agency may have regarding this site and surrounding properties.

We are willing to pay up to \$25 for each site, however, if it goes above this amount, please contact us for approval before proceeding.

PLEASE INCLUDE OUR PROJECT NUMBERS WITH YOUR RESPONSE.

*Missouri S & T
Collegiate Ave & Facilities Ave
Rolla, Missouri 65401
Project # 22494*

Thank you for your assistance. If you need additional information or have questions, please contact me by phone at (337) 315-7404 or email at Leah@environmentalops.com.

Respectfully,

Leah Johns
Environmental Technician

www.environmentalops.com

Appendix 16.10

Interview Documentation

User Questionnaire

Please provide the following information, if available, before the property visit by Environmental Operations, Inc.. This information is required per the ASTM E 1527-13, X3-User Questionnaire. If additional pages for response are necessary, please attach them to this form. Failure to provide this information could result in a determination that "All Appropriate Inquiry" is not complete.

Please sign your name and print your name and the date below. By signing you state that the information you provided herein is accurate to the best of your knowledge.


6-13-22
Brandon Rekus

Signature Date Print Name

| Property Information | | | |
|---|--|---|--|
| Property Name <i>MS+T Facility Operations</i> | | Property Identification (e.g. Block & Lot or Parcel ID #) <i>71-09-1.0-02-003-001-002.00</i> | |
| Address | City <i>Rolla</i> | State & Zip <i>MO</i> | |
| User Completing Questionnaire | | | |
| Name & Title <i>Brandon Rekus, EHS Mgr</i> | | Company <i>MS+T</i> | |
| Address <i>900 Innovation Dr.</i> | City <i>Rolla</i> | State & Zip <i>MO 65401</i> | |
| Phone <i>573-341-4403</i> | Fax | | |
| Cell phone <i>573-202-1848</i> | Email <i>bprturn@mst.edu</i> | | |
| Key Site Manager – As identified by User | | | |
| <small>The key site manager should be a person with knowledge of the uses and physical characteristics of the property, such as a property manager, building manager, the chief physical plant supervisor, or maintenance supervisor.</small> | | | |
| Name & Title <i>Jim Jackson - Asst. Dir. Fac Ops</i> | | Company <i>Missouri S+T</i> | |
| Address <i>701 Facilities</i> | City <i>Rolla</i> | State & Zip <i>MO 65401</i> | |
| Phone <i>573-</i> | Fax | | |
| Cell phone | Email | | |
| Current Property Owner | | | |
| Name & Title <i>Board of Curators</i> | | Company <i>University of Missouri System</i> | |
| Address <i>316 University Hall</i> | City <i>Columbia</i> | State & Zip <i>MO 65211</i> | |
| Phone <i>573 882 2388</i> | Fax | | |
| Cell phone | Email <i>boardofcurators@umsystem.edu</i> | | |

Describe the reason the Phase I Environmental Assessment is being performed. (Check one)

- Finance
 Refinance
 Purchase
 Sale
 Other (specify) *Repurpose + Redevelopment*

| Known Environmental Concerns | |
|--|---|
| 1. Are you aware of any environmental cleanup liens, deed notices, or restrictions against the property that are filed or recorded under federal, tribal, state, or local law? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 2. Are you aware of an Activity and Use Limitations that are in place at the property and/or that have been filed or recorded in a registry under federal, tribal, state, or local law? (If yes, check all that apply.) | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Engineering Controls <input type="checkbox"/> Land Use Restrictions <input type="checkbox"/> Institutional Controls <input type="checkbox"/> Other (specify) | |
| 3. Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have knowledge of the chemicals and processes used by this type of business? If yes, describe. | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 4. Does this transaction include the purchase of the property? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| Does the purchase price reflect a fair market value of the property? | Yes <input type="checkbox"/> No <input type="checkbox"/> <i>N/A</i> |
| If not, have you (the user) considered whether the lower purchase price is because contamination is known or believed to be present at the property? | Yes <input type="checkbox"/> No <input type="checkbox"/> <i>N/A</i> |
| 5. Are you aware of commonly known or reasonably ascertainable information about the property that could identify releases or treated releases of hazardous materials or petroleum products? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Describe specific chemicals that are present or were once present at the property. | <input type="checkbox"/> Not applicable |
| <i>Fuel, motor oil, Heating oil, DMSF related chemicals</i> | |
| Describe known spills, chemical releases, or environmental cleanups which occurred at the property. | <input type="checkbox"/> Not applicable |
| <i>Fuel spilled into containment.</i> | |
| 6. As the user, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property? If yes, describe. | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| <i>Transformers stored on-site, oil stains behind containers, fuel behind camp flow lab.</i> | |
| 7. Are you aware of the following environmental concerns at the property? (Check all that apply) | <input type="checkbox"/> None |
| <input checked="" type="checkbox"/> Underground storage tanks <input type="checkbox"/> Dry cleaners <input checked="" type="checkbox"/> Asbestos <input type="checkbox"/> Other (specify) | |

ASTs/Piping

| Current and Past Property Use | | | | |
|--|---------------------------------|-----------------------|------------|-----------------------|
| 1. Has the property ever been used for any of the following operations? <i>(Check all that apply)</i> <input type="checkbox"/> None | | | | |
| <input type="checkbox"/> Manufacturing operations <input checked="" type="checkbox"/> Gasoline service station <input checked="" type="checkbox"/> Automobile repair <input type="checkbox"/> Dry cleaning | | | | |
| 2. Describe property use/operations prior to the construction of the buildings currently at the property, if known. Include chemicals previously stored at the property. | | | | |
| Unknown | | | | |
| 3. Provide previous property owners, occupants, and/or operators. Attach pages as necessary. | | | | |
| Company | Owner/ Occupant/ Operator | Dates of occupancy | Operations | Contact name & number |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| EXISTING DOCUMENTATION | | | |
|--|-------------------------------------|-------------------------------------|---|
| Does the following documentation exist? If yes, please provide copies. | | | |
| Yes | No | Unknown | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Environmental Site Assessment Reports |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Environmental Compliance Audit Reports - <i>EPA</i> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Environmental Permits |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Underground Storage Tank/Aboveground Storage Tank registrations |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Underground injection permits |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Material Safety Data Sheets (MSDSs) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Hazardous waste generator notices |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Geotechnical studies |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Risk Assessments |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Community Right-to-know plan |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Safety Plans |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Spill Prevention Control and Countermeasures (SPCC) Plans |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Emergency preparedness & prevention plans |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Hydrogeologic reports |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Government correspondence & violations |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Recorded Activity and Use Limitations (AULs) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Environmental Liens |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Other _____ |

ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT INTERVIEW

Contact Name/Title/Organization:

How long have you been familiar with the subject site? 30 years DMSF

Are the subject site boundaries apparent? What is the acreage of the subject site? ?

Square footage for each building? Date of construction? Date of most recent renovations? 1980's DMSF

What is the source of water currently? Previously? ← city water cisterns, ponds, surface water, water wells?

How is wastewater treated currently? Previously? depressions, ditches, dry wells, holding tanks, impoundments, lagoons, leach fields, lift stations, monitoring wells, oil-water separators, pits, septic systems, silver recovery units, sumps, wastewater discharge?

Drains - stormwater? sewer? oil/water separator? grease trap? how often serviced? ?

Who currently owns the subject site? Since when? UM - S&T

Who previously owned the subject site? Since when? ?

Who currently occupies the subject site? Since when? UM - S&T

Who previously occupied the subject site? Since when? ?

What activities/operations were conducted on the subject site? State # 001049 Permit # MOD000677773

Have any environmental permits (e.g., hazardous waste disposal, National Pollutant Discharge Elimination System/NPDES, solid waste disposal, wastewater, etc.) been requested for or issued for the subject site? If so, have there been any notices or violations in association with those permits? None

Are any environmental reports (e.g., assessments, geotechnical-foundation studies/soil borings, hydrogeologic-water movement, etc.) currently being prepared or previously have been prepared on the subject site? NO

Are any asbestos containing materials present currently? Previously?

Is any compressor, electrical, or hydraulic equipment present currently? Previously? If yes, when was the equipment manufactured? hydraulic dock lift DMSF → city → Ameron

Who supplies electricity? Gas? Electric or gas heat? (LOG)

Are any hazardous materials used on the subject site (or adjoining properties) currently? Previously? Yes

Are any hazardous waste(s) generated on the subject site (or adjoining properties) currently? Previously? What quantity? How often? Who removes? How often? ← DMSF 90 day facility (Lab waste)

Heritage Env Ser →

Gen Ser - Fuel Tank (AST) →

Are there any aboveground storage tanks (ASTs), underground storage tanks (USTs), or leaking underground storage tanks (LUSTs) on the subject site (or adjoining properties) currently? Previously? What are/were their locations, contents, and storage capacities?

Are there any air emissions from the subject site (or adjoining properties) currently? Previously? NO

Environmental Operations, Inc.

Have any of the following been associated with the subject site or adjoining properties currently? Previously?

| | NO | YES |
|---|----|-----|
| automotive/motor maintenance/repair | | ✓ |
| demolition | ✓ | |
| dry cleaning | ✓ | |
| environmental lien(s)/environmental legal action(s) | ✓ | |
| filling/gasoline/service station | | ✓ |
| industrial (e.g., manufacturing, processing, refining, transportation, utilities, warehousing, etc.) | ✓ | |
| junkyard/salvage | ✓ | |
| photo developing | ✓ | |
| printing | ✓ | |
| waste management (e.g., burial, disposal, landfilling, <u>processing</u> , <u>recycling</u> , storage, treatment, etc.) | | ✓ |

Have fill materials (e.g., concrete, ^{unk}garbage, rock, rubble, soil, trash, yard waste, etc.) been brought onto the subject site from an unknown site or a contaminated site? If so, please describe the source and type of material used for fill, as well as its current location, quantity and/or depth.

To the best of your knowledge, have any hazardous materials, petroleum products, batteries (automotive or industrial), demolition debris, farm implements, scrap metal or wood, storage containers, storage drums, tires, unidentified waste materials been dumped aboveground, buried underground, and/or burned on the subject site? If so, please describe the source and type of material used for fill, as well as its current location, quantity and/or depth.

Is there/has there been anything on the subject site or adjoining properties that you would consider to be an environmental concern? oil from transformers

Is there anyone else you would recommend to be interviewed regarding the history and/or operation of the subject site?

DMSF 90 day storage building

Gen Ser has transformers on site

Appendix 16.11

Proposal/Notice to Proceed

May 11, 2022

**RC000214 - - Demo Existing Facilities-GSB Area
Missouri University of Science and Technology**

Enclosed is your General Consulting Agreement between Owner and Consultant in connection with the above project. Please electronically sign using DocuSign. An executed copy will be returned to you via email.

For your convenience, the updated version of the UM Consultant Procedures and Design Guidelines is available at:

<https://www.umsystem.edu/ums/fa/facilities/guidelines/>

When submitting your agreement, you will be required to confirm you have included certificates of insurance or copies of your insurance policies verifying you are covered by:

1. Comprehensive General Liability (CGL)
A CGL policy listing "The officers, employees, and agents of The Curators of the University of Missouri" as additional insured in the amounts stated in 2.1.10.3
2. Auto Liability showing Any Auto OR Hired, Owned, or Non-Owned coverage in the amounts stated in 5.5.4.
3. Professional Liability in the amounts stated in 5.5.5.
4. Worker's Compensation (employer's liability) in the amounts stated in 5.5.6.

The certificates must state, or the policies must be endorsed to read coverage will not be canceled or altered until after the Owner has received 10 days prior written notice.

Forward all correspondence on this project to Bradley Clay, as Project Manager. All work and changes to the original written project scope must be approved and authorized by the Project Manager. Other work performed by the Consultant will not be funded.

Please submit invoices for this project using e-Builder.

All payment requests for professional services should be forwarded directly to the Project Manager.



MISSOURI

**UNIVERSITY OF MISSOURI
GENERAL CONSULTING AGREEMENT**

**RC000214- - Demo Existing Facilities-GSB Area
Missouri University of Science and Technology**

This Agreement dated May 11, 2022 to furnish specific consultant services, is made by and between The Curators of the University of Missouri, hereinafter called the "Owner", and ENVIRONMENTAL OPERATIONS, INC., hereinafter called the "Consultant".

ARTICLE 1: SCOPE OF SERVICES

1.1 The Consultant will furnish to the Owner the following described services:

Commitment Scope of work: Provide Phase 1 Environmental Site Assessment for hazardous substances (Asbestos) for demolition of existing facilities GSB Area

1.2 All final documentation associated with the services performed (e.g., reports, studies, etc.) will become the property of the Owner whether the project for which they are made is completed or not.

ARTICLE 2: TERM OF AGREEMENT

2.1 Work covered under this Agreement will be completed by June 11, 2022.

ARTICLE 3: COMPENSATION AND REIMBURSEMENT OF EXPENSES

3.1 The Owner will compensate the Consultant on the following basis for services performed under this Agreement:

Lump Sum amount of \$3,500.00, including reimbursables in the amount of \$0.

3.2 Payments will be made in accordance with the following schedule, upon submission to the University of invoices by the Consultant:

Once work is completed. If several phases, then the initiator can write out the payment schedule.

3.3 Reimbursement for expenses will be made upon submission of invoice and necessary receipts.

3.4 The compensation stated herein includes all applicable taxes. No additional compensation will be allowed due to Consultant's failure to include such taxes or as the result of a change in Consultant's tax liabilities.

ARTICLE 4: NOTIFICATION

4.1 The Consultant will forward all project correspondence, documents and payment requests, etc., to Bradley Clay, Project Manager, Missouri University of Science and Technology, Design, Construction and Space Management, 901 Facilities Avenue; Rolla, Missouri 65409. The Consultant's work and any changes to the scope of services described in paragraph 1.1 will be authorized and approved by the Owner, prior to their execution.

4.2 Correspondence to the Consultant will be forwarded to Julie Gibbs-Alley, 7733 Forsyth Boulevard Ste 1600, Clayton, Missouri 63105.

ARTICLE 5: TERMS AND CONDITIONS

5.1 ASSIGNMENT OF SUBCONTRACTING

The Consultant shall not assign or transfer this Agreement, or an interest therein, or claim thereunder, nor subcontract any portion of the work thereunder without the prior written approval of the Owner.

5.2 TERMINATION OF AGREEMENT

The Owner may terminate this Agreement at any time, with or without cause, by a notice in writing to the Consultant. Upon receipt of such notice, the Consultant shall discontinue all work in connection with the performance of this Agreement. Payment shall be made for authorized services completed up to the date of the termination notice.

5.3 PATENTS

5.3.1 The Consultant shall hold and save harmless the Owner and its officers, agents, servants, and employees from liability of any nature or kind, including cost and expense, for or on account of infringement or use of any patented or unpatented invention, process, or article in the performance of this Agreement, including its use by the Owner.

5.3.2 Whenever any invention or discovery is made or conceived by the Consultant in the course of or in connection with this Agreement, the Consultant shall furnish the Owner with complete information with respect thereto and the Owner will have the sole power to determine whether or where a patent application will be filed and to determine the disposition of title to and all rights under any application or patent that may result. The Consultant shall, at the Owner's expense and at the Owner's request, execute all documents and do all things necessary or proper with respect to such patent application.

5.4 COPYRIGHT

The Owner will have the sole power to determine whether or not a copyright application will be filed for any published report or other document which results from the work performed under this Agreement. The Consultant shall, at the Owner's expense and at the Owner's request, execute all documents and do all things necessary or proper with respect to such copyright application.

5.5 CONSULTANT'S LIABILITY AND INSURANCE REQUIREMENTS

5.5.1 Liability: The Consultant shall indemnify and hold harmless the University and their agents and employees from and against all claims, damages, losses and expense including attorneys' fees arising out of or resulting from the performance of the Work, provided that any such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself) including the loss of use resulting therefrom, and is caused in whole or in part by any negligent act or omission of the Consultant, any Subconsultant, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder. The parties hereto understand and agree that the University is relying on, and does not waive or intend to waive by any provision of this Contract, any monetary limitations or any other rights, immunities, and protections provided by the State of Missouri, as from time to time amended, or otherwise available to the University, or its officers, employees, agents or volunteers.

5.5.2 Insurance: The Consultant shall provide and maintain, during the life of the Agreement, insurance acceptable to the Owner which will afford protection and coverage in accordance with the requirements set forth below. Consultant shall cause each Subconsultant to purchase and maintain insurance of the types and amounts specified herein. Limits of such coverage may be reduced only upon written agreement of Owner.

5.5.3 Commercial General Liability Coverage comparable to Comprehensive General Liability coverage to protect the Consultant and any Subconsultant performing work covered by this Agreement from claims for damages for personal injury, bodily injury (including wrongful death), and from claims for property damage which may arise from the operation under the Agreement. The coverage will provide protection for all operations by the Consultant or any Subconsultant or by anyone directly or indirectly employed by either of them. In addition, the coverage is to include "The officers, employees, and agents of The Curators of the University of Missouri" as "additional insured". The amount of the insurance shall not be less than a minimum of \$1,000,000 combined single limit, per occurrence and \$2,000,000 general aggregate, for both bodily injury and property damage combined.

5.5.4 Comprehensive Automobile Liability coverage to include coverage for all Owned, Hired, and Non-Owned vehicles. The coverage is to include for protection of the Consultant and Subconsultant or by anyone

directly or indirectly employed be either of them. The minimum limit of coverage to be provided is \$1,000,000 combined single limit for bodily injury and property damage, per occurrence and aggregate.

- 5.5.5 Professional Liability Insurance will be provided by the Consultant to cover claims arising out of the negligent acts, errors and omissions by the Consultant, Subconsultant, or anyone directly or indirectly employed by them. The coverage provided will be not less than \$1,000,000 aggregate.
- 5.5.6 Worker's Compensation Insurance Coverage A: Worker's Compensation Insurance for all the Consultant's employees at the site of the project, and in case any work is sublet, the Consultant shall require any Subconsultant similarly to provide Worker's Compensation Insurance for all of the latter's employees, unless such employees are covered by the protection afforded by the Consultant. This coverage shall comply in all respects with the requirement of the Statutes of the State of Missouri. Coverage B: Employer's Liability, in a limit no less than \$500,000 for each of the three coverages listed for Employer's Liability.
- 5.5.7 All insurance shall be procured through agencies and be written by insurance companies which are acceptable to and approved by the Owner, e.g., all coverages should be placed with Insurance Carriers that are licensed to do business in the state of Missouri as an admitted Carrier and all coverages placed are subject to the Owner's approval as to form and content, as well as Carrier. All required coverages shall be obtained and paid for by the Consultant.
- 5.5.8 The Consultant shall furnish the Owner with certificates, Additional Insured endorsements, policies, or binders which indicate the Consultant and/or the Owner and other Consultants (where required) are covered by the required insurance showing type, amount, class of operations covered, effective dates and dates of expiration of policies prior to commencement of the work. Consultant is required to maintain coverages as stated and required to notify the University of a Carrier Change or cancellation within 2 business days. The University reserves the right to request a copy of the policy. Consultant fails to provide, procure and deliver acceptable policies of insurance or satisfactory certificates or other evidence thereof, the Owner may obtain such insurance at the cost and expense of the Consultant without notice to the Consultant.
- 5.5.9 It is understood and agreed that the insurance required by the provisions of this article is required in the public interest and that the Owner does not assume any liability for acts of the Consultant, any Subconsultant or their employees in the performance of the Agreement.
- 5.6 EXAMINATION OF RECORDS
The Owner, and any parties it deems necessary, shall have access to and the right to examine any accounting records of the Consultant involving transactions and work related to this Agreement until the expiration of five years after final payment hereunder.
- 5.7 CONFLICT OF INTEREST
- A. The Consultant shall not hire any officer or employee of the Owner to perform any service covered by this Agreement. If the work is to be performed in connection with a federal contract or grant, the Consultant shall not hire any employee of the United States government to perform any service covered by this Agreement.
- B. The Consultant affirms that to the best of their knowledge there exists no actual or potential conflict between the Consultant's family, business or financial interests and the Consultant's services under this Agreement, and in the event of change in either the Consultant's private interests or service under this Agreement, the Consultant will raise with the Owner any question regarding possible conflict of interest which may arise as a result of such change.
- C. Consultant herein is an independent contractor and shall not act as an agent for the University, nor shall consultant be deemed to be an employee of the University for any purposes whatsoever. The consultant shall not enter into any agreement or incur any obligations on the University's behalf or commit the University in any manner.
- 5.8 NONDISCRIMINATION/EQUAL OPPORTUNITY

The University serves from time to time as a contractor for the United States government. Accordingly, the provider of goods and/or services shall comply with federal laws, rules and regulations applicable to subcontractors of government contracts including those relating to equal employment opportunity and affirmative action in the employment of minorities (Executive Order 11246), women (Executive Order 11375), persons with disabilities (29 USC 706) and Executive Order 11758, and certain veterans (38 USC 4212 formerly [2012]) contracting with business concerns with small disadvantaged business concerns (Publication L. 95-507). Contract clauses required by the Government in such circumstances are incorporated herein by reference.

5.9 CERTIFICATES

- A. The Consultant certifies to the best of its knowledge and belief that it and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency in accordance with Executive Order 12549 (2/18/86).
- B. If agreement is for \$100,000 or more, and if the Consultant is a company with ten (10) or more employees, then Consultant certifies that it, and any company affiliated with it, does not boycott Israel and will not boycott Israel during the term of this Contract. In this paragraph, the terms "company" and "boycott Israel" shall have the meanings described in Section 34.600 of the Missouri Revised Statutes.

5.10 APPLICABLE LAW DEEMED INSERTED

This Agreement shall be governed by the laws of the State of Missouri. All applicable provisions required by law shall be deemed to be incorporated herein.

For ENVIRONMENTAL OPERATIONS, INC.:

DocuSigned by:

 F0E240053AFA4F8

Authorized Signer

5/23/2022

Date

43-1419813

Federal Identification Number

For THE CURATORS OF THE UNIVERSITY OF MISSOURI:

DocuSigned by:

 3F349CA45E3240F

Contracting Officer

5/23/2022

Date

Consultant Agreement Diversity Participation Summary

| | | |
|---|------------|--|
| Project # RC000214 Name: Demo Existing Facilities-GSB Area | | Consultant: ENVIRONMENTAL OPERATIONS, INC. |
| Goal | 0% | Contact: Stacey Fuller |
| Agreement Amount | \$3,500.00 | Phone: (573)341-4207 |

| Participation | Dollars | Percent |
|---------------|---------|---------|
| Total | \$0.00 | 0% |
| MBE | \$0.00 | 0% |
| SDVE | \$0.00 | 0% |
| WBE | \$0.00 | 0% |
| Veteran | \$0.00 | 0% |
| DBE | \$0.00 | 0% |

| Firm Name | City | State | WBE Vet DBE | SDVE | MBE | Service | Dollar Amount | Certification # and Agency |
|--------------------------------|---------|-------|-------------------|------|-----|------------------|------------------|----------------------------------|
| Environmental Operations, Inc. | Clayton | MO | No | No | No | Asbestos Testing | \$0.00 | N/A |

Prepared by: Date:

Director Reviewed: Jonathan Garrett Date: 05.18.2022

Attach a copy of all forms and any supporting information.

¹ See Article 1.1.9 General Conditions for definitions. 1) Black American; 2) Hispanic American; 3) Native American; 4) Asian-Pacific American; 5) Asian-Indian American; 6) Other, note group in box.



Proposal/Contract

May 6, 2022

To: Missouri S&T
900 Innovation Drive
Suite 200
Rolla, Missouri 65401

Proposal #P13510
Re: Phase I Environmental Site Assessment
Missouri S&T Buildings
White Columns Drive & Collegiate Road
Rolla, Missouri 65401

ATTN: Mr. Brandon Rekus

COST: \$3,500.00

SCHEDULE: 25-30 Business Days

Scope of Work – Phase I ESA: Environmental Operations, Inc. (EOI) will perform a Phase I Environmental Site Assessment for the above-referenced site in accordance with the American Society for Testing and Materials (ASTM) Standard E1527-13 Environmental Site Assessments for Commercial Real Estate, in compliance with 40 CFR Part 312, Standards and Practices for All Appropriate Inquiries, which shall include:

- Generation and Evaluation of Property History
- Review of existing environmental documentation
- Physical Setting Evaluation
- Government Records Review
- Evaluation of the potential for Vapor Encroachment per ASTM E2600-15
- Interviews with Owners and Occupants
- On-Site Investigation of the Property and Improvements
- Report Generation

Limitations: The *Scope of Work* outlined above has been designed to identify the presence of hazardous substances. Unless requested by the client or deemed necessary, this investigation will not include additional environmental issues such as formaldehyde gas, archaeological sites, or lead in drinking water issues.

The client recognizes that EOI's failure to detect the presence of hazardous substances at a site does not guarantee that hazardous substances do not exist even though EOI has utilized appropriate and mutually agreed upon sampling techniques and audit procedures. The liability of EOI, its agents performing services under this proposal, including professional services, shall in no event exceed the amount of applicable insurance. A certificate of insurance is attached hereto as *Exhibit B*. EOI shall not be liable for indirect, consequential, or incidental damages.

The report is intended only for the internal use of the client and their authorized representatives, and possession does not imply the right of publication or the use for any other purpose without the written consent of EOI, unless required by law. There will be no other intended beneficiaries other than the client and the party named above. Nothing in this Contract designates EOI as the client's agent for compliance with any law, including any reporting obligations.

Additional Fees (if necessary): The above quoted cost is a firm-fixed price is valid for seven days, and includes all costs associated with completing the above outlined *Scope of Work*.
Regulatory Agency file review – Should a review of regulatory documents or reports of previous environmental investigations or remediation at the subject site and/or adjoining properties supplied by a Federal, State, or Municipal regulatory agency be warranted, eight (8) hours of professional time is included in the above price. Should additional time be required to properly evaluate the appropriate files, this professional labor will be billed at a rate of \$95.00 per hour. Electronic copies (pdf) will be transmitted at no cost. Please note that additional hard copy reports will be delivered at the client's request for \$50.00 per copy.
Invoices will be sent upon project completion. Payment of 100% of the invoice is due within 10 days. A 1.5% service charge per month (18% per annum) will be charged on all past due accounts and will accrue from the original date of the past due invoice

Schedule: EOI will provide a report on the above quoted timeline, based upon the receipt of authorization and the completed information requested in the *User's Questionnaire (Exhibit A)*.

Note: The All Appropriate Inquiry regulations (40 CFR Part 312) require that the User's Questionnaire be completed and returned to the Consultant. If this information is not provided, there is a risk of creating a data gap and limiting the findings of this Phase I report.

Respectfully submitted,



Julie Gibbs-Alley
Program Manager –
Due Diligence and Compliance Services

| | | | |
|--|-------------------------|---|------------------------------|
| Accepted By: | <u>Missouri S&T</u> | Direct Invoice to (if different): | |
| Signature: | _____ | To: | _____ |
| Name: | _____ | Name, Title: | _____ |
| Title: | _____ | Email: | _____ |
| Date: | _____ | Phone: | _____ |
| If report is to be relied upon by additional parties, please specify: | _____ | Will U.S. Small Business Administration (SBA) be involved in this transaction? | <input type="checkbox"/> Yes |
| | | | <input type="checkbox"/> No |

Appendix 16.12

Qualifications of the Environmental Professional and Environmental Assessment Team

KEY PERSONNEL RESUME

LEAH JOHNS ENVIRONMENTAL COMPLIANCE TECHNICIAN ENVIRONMENTAL OPERATIONS, INC.

EDUCATION

University of Louisiana- Lafayette
BS- Biology, Ecology, 2020
MS- Urban Ecology and Sustainable Planning, 2023

PROFESSIONAL CERTIFICATIONS:

- OSHA 40-hour Training

PROFILE:

Ms. Johns has served as an Environmental Compliance Technician at Environmental Operations, Inc. since 2022. She currently conducts various scopes of work relating to environmental due diligence. Ms. Johns is a part of the Compliance Department, which oversees various client and company projects relating to due federal and state regulations. Ms. Johns' educational background is multidisciplinary and comprehensive in the Environmental Science, Biology, Urban Ecology, and Sustainable Planning sciences.

SPECIALIZED COURSEWORK:

- Geographic Information Systems (GIS) I
- Environmental Field Techniques
- Wildlife Conservation and Biodiversity
- Aquatic Botany
- Principles of Ecology
- Estuarine Ecology
- Professional Communications
-

RELEVANT EXPERIENCE:

Field Supplies Ordering, Sampling bottles and BMP inventory items.

SunCoke Energy, Granite City, Illinois

Weekly and quarterly opacity readings from smokestack and related equipment. File organization and data analysis. Outage hazardous waste management and disposal coordination.

RELEVANT EXPERIENCE:

Ms. Johns has completed Phase I ESAs on various types of properties, including:

- Agricultural land
- Automotive Maintenance facilities
- Banking and Financial facilities
- Brownfield revitalization properties

- Chemical plants
- Educational facilities
- Food Process plants
- Hotels/Motels
- Lumber yards
- Manufacturing plants
- Religious institutions
- Residential properties
- Retail Shopping Centers
- Transportation Depots/Airports
- Undeveloped land
- Warehouses

for a variety of clients, including:

- Banking Institutions
- Churches/Charitable Organizations
- Commercial Real Estate
- Construction Firms
- Mortgage Groups
- National Food Service Corporations
- National Financial Institutions
- REITS
- Regional Development Authorities
- Wildlife Preservation Groups

KEY PERSONNEL RESUME

ALEXANDRIA ALGIERE

**JUNIOR PROJECT MANAGER
ENVIRONMENTAL OPERATIONS, INC. (EOI)**

**Columbia College, Missouri
BS – ENVIRONMENTAL SCIENCE 2020**

PROFESSIONAL CERTIFICATIONS:

- 40-Hour OSHA HAZWOPER
- 8-Hour OSHA HAZWOPER Supervisor
- 30-Hour MSHA 46, 48(b)
- EPA Visible Emissions Inspector
- Special Inspector (St. Louis County)
- Vapor Barrier Inspector – Land Science
- Asbestos Building Inspector: Missouri

PROFILE:

Ms. Algieri has served at EOI since August 2020 as an Environmental Technician and Junior Project Manager, and has worked in the environmental health field since May 2019. Ms. Algieri currently manages Phase I Environmental Site Assessments (ESA), compliance, and due diligence projects. Compliance and due diligence projects include discharge sampling, SWPPP inspections, management and maintenance of BMPs, visual emissions inspections, crafting facility SWPPPs and SPCC plans, and corresponding with regulatory agencies and clientele.

RELEVANT EXPERIENCE:

Project involvement and management across various scopes, sites, and industries:

Stormwater BMP Systems, Columbia, Missouri and St. Louis Area: annual and biannual services, inspections, and completion of reports for stormwater basins and filter systems at several facilities.

SunCoke Energy GECC, Granite City, IL: weekly, monthly, and quarterly opacity readings from smokestack and related equipment. File organization and data analysis. Inspection management and permit regulation adherence monitoring.

Ashley (Tri-Gen) Energy, St. Louis, Missouri: Project Manager for quarterly outfall and leachate sampling per NPDES and facility permits and requirements. Activities include 24-hour composite sampling and grab sampling as well as reporting.

Fred Weber Inc., various locations across Missouri: discharge monitoring, SWPPP & SPCC assistance, and quarterly reporting.

New Frontier Materials, various locations across Missouri: discharge monitoring, SWPPP & SPCC assistance, and quarterly reporting.

PBT Reclamation and Acquisition Landfill, East St. Louis, Missouri: compliance support services on a continuing basis, including Tier II, Annual Stormwater Reporting, SPCC and SWPPP. Activities include 24-hour composite leachate sampling, stormwater grab sampling, and facility BMP inspections.

Phase I ESAs: Ms. Algieri specializes in the analysis of environmental issues affecting properties in accordance with ASTM standards for conducting Phase I ESAs. This entails:

- Inspection of land parcels and developments for evidence of polychlorinated biphenyls, hazardous materials, petroleum products, aboveground and underground storage tanks, air and water emissions, and asbestos containing materials (ACMs).
- Research, review, and analysis of site history, regulatory databases, site physical settings, and federal, state, and local regulatory agency files.

Prior to her current role at EOI, Ms. Algieri worked with the Missouri Department of Conservation. There she served in several roles with various responsibilities, including:

- **Fisheries Technician**, where she navigated streams, collected and surveyed native species, constructed a variety of habitats, and monitored riparian corridors from May 2020 – August 2020.
- **Assistant GIS Analyst**, which entailed developing cartographic products to be used in presentations/publications and creating/maintaining data in various systems and formats, from August 2019 – May 2020.
- **Environmental Health Intern**, where she served as Principle Investigator on a project to analyze and assess the effects of hydropower on Missouri's Niangua River from May 19 – August 2019.

KEY PERSONNEL RESUME

JULIE GIBBS-ALLEY
PROGRAM MANAGER – DUE DILIGENCE AND COMPLIANCE SERVICES
ENVIRONMENTAL OPERATIONS, INC.

Southern Illinois University of Edwardsville
BS- Biology 2005
Southern Illinois University of Edwardsville
MS-Environmental Science 2008

PROFESSIONAL CERTIFICATIONS:

- 40-Hour OSHA HAZWOPER
- Asbestos Building Inspector
- Certified SWPPP Inspector
- Special Inspector for Major Land Disturbances (St. Louis County)
- Certified Inspector for Geo-Seal Vapor Intrusion Barrier
- Certified in Official EPA Methods 9 and 22 (Opacity Readings)

PROFILE:

Ms. Gibbs-Alley has served as an Environmental Scientist at Environmental Operations, Inc. since May 2008. Ms. Gibbs-Alley is currently responsible for the management of Phase I Environmental Site Assessments (ESAs) and related scopes of environmental due diligence. She is certified as a SWPPP inspector for St. Louis County and also possesses stormwater sampling skills. Ms. Gibbs-Alley is also a certified inspector for the installation of vapor intrusion barriers.

EXPERTISE:

Ms. Gibbs-Alley specializes in the analysis of environmental issues affecting properties in accordance with ASTM standards for conducting environmental site assessments. This entails:

- Inspection of real estate for evidence of asbestos containing materials (ACMs), polychlorinated biphenyls (PCBs), hazardous materials, petroleum products, aboveground storage tanks (ASTs), underground storage tanks (USTs), and air and water emissions.
- Communicating with clients regarding their desired scope of work, as well as explaining findings and conclusions, and discussing recommendations for additional

investigations to reduce potential environmental liabilities.

- Reviewing previous environmental studies including Phase I ESAs, Phase II sampling and analysis, and Phase III remediation activities.
- Review and analysis of site history, regulatory databases, site physical setting, and federal, state, and local regulatory agency files.
- Design and management of Phase II sampling and analysis projects based on Phase I findings to qualify potential contaminants and to quantify the vertical and lateral extent of contamination.

RELEVANT EXPERIENCE:

Ms. Gibbs-Alley has completed Phase I ESAs, Phase II Subsurface Investigations, and Soil and Groundwater Remediation Projects on various types of properties, stormwater and non-stormwater sampling, and continually corresponds with regulatory agencies and clientele. Project involvement and management have been performed on various types of properties across the United States, including:

- Agricultural land
 - Automotive Maintenance facilities
 - Manufacturing plants
 - Residential properties
 - Retail Shopping Centers
 - Commercial offices
- for a variety of clients, including:
- Commercial Real Estate
 - REITS
 - National Food Service Corporations
 - National Financial Institutions
 - Wildlife Preservation Groups
 - Construction Firms
 - Regional Development Authorities
 - Churches/Charitable Organizations

SunCoke Energy, Granite City, Illinois
Weekly, monthly, and quarterly opacity readings from smoke stack and related equipment
Love's Travel Stops and Country Stores, St. Louis, Missouri
Quarterly and Annual Inspections and Completion of Reports for BMPs under MSD requirements

Appendix 16.13

Definitions

abandoned property – property that can be presumed to be deserted, or an intent to relinquish possession or control can be inferred from the general disrepair or lack of activity thereon such that a reasonable person could believe that there was an intent on the part of the current owner to surrender rights to the property.

activity and use limitations – legal or physical restrictions or limitations on the use of, or access to, a site or facility: (1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or ground water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure with the maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls, are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or ground water on the property.

actual knowledge – the knowledge actually possessed by an individual who is a real person, rather than an entity. Actual knowledge is to be distinguished from constructive knowledge that is knowledge imputed to an individual or entity.

adjoining properties – any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them.

aerial photographs – photographs taken from an aerial platform with sufficient resolution to allow identification of development and activities of areas encompassing the property. Aerial photographs are often available from government agencies or private collections unique to a local area.

all appropriate inquiry – that inquiry constituting “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice” as defined in CERCLA, 42 U.S.C §9601(35)(B), that will qualify a party to a commercial real estate transaction for one of threshold criteria for satisfying the LLPs to CERCLA liability (42 U.S.C §9601(35)(A) & (B), §9607(b)(3), §9607(q); and § 9607(r)), assuming compliance with other elements of the defense.

approximate minimum search distance – the area for which records must be obtained and reviewed pursuant to Section 8 subject to limitations provided in that section. This may include areas outside the property and shall be measured from the nearest property boundary. This term is used in lieu of radius irregularly shaped properties.

bona fide prospective purchaser liability protection – (42 U.S.C §9607(r)) – a person may qualify as a bona fide prospective purchaser if, among other requirements, such person made “all appropriate inquiries into the previous ownership and uses of the facility in accordance with generally accepted good commercial and customary standards and practices.” Knowledge of contamination resulting from all appropriate inquiry would not generally preclude this liability protection. A person must make all appropriate inquiry on or before the date of purchase. The facility must have been purchased after January 11, 2002.

Brownfields Amendments – amendments to CERCLA pursuant to the Small Business Liability Relief and Brownfields Revitalization Act, Pub. L. No. 107-118 (2002), 42 U.S.C. §§9601 *et seq.*

building department records – those records of the local government in which the property is located indication permission of the local government to construct, alter, or demolish improvements on the property. Often building department records are located in the building department of a municipality or county.

business environmental risk – a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations.

commercial real estate – any real property except a dwelling or property with no more than four dwelling units exclusively for residential use (except that a dwelling or property with no more than four dwelling units exclusively for residential use is included in this term when it has a commercial function, as in the building of such dwellings for profit). This term includes but is not limited to undeveloped real property and real property used for industrial, retail, office, agricultural, other commercial, medical, or educational purposes; property used for residential purposes that has more than four residential dwelling units; and property with no more than four dwelling units for residential use when it has a commercial function, as in the building of such dwellings for profit.

commercial real estate transaction – a transfer of title to or possession of real property or receipt of a security interest in real property, except that it does not include transfer of title to or possession of real property or the receipt of a security interest in real property with respect to an individual dwelling or building containing fewer than five dwelling units, nor does it include the purchase of a lot or lots to construct a dwelling for occupancy by a purchaser, but a commercial real estate transaction does include real property purchased or leased by persons or entities in the business of building or developing dwelling units.

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) – the list of sites compiled by EPA that EPA has investigated or is currently investigating for potential hazardous substance contamination for possible inclusion on the National Priorities List.

construction debris – concrete, brick, asphalt, and other such building materials discarded in the construction of a building or other improvement to property.

contaminated public wells – public wells used for drinking water that have been designated by a government entity as contaminated by hazardous substances (for example, chlorinated solvents), or as having water unsafe to drink without treatment.

contiguous property owner liability protection – (42 U.S.C. §9607(q)) – a person may qualify for the contiguous property owner liability protection if, among other requirements, such person owns real property that is contiguous to, and that is or may be contaminated by hazardous substances from other real property that is not owned by that person. Furthermore, such person conducted all appropriate inquiry at the time of acquisition of the property and did not know or have reason to know that the property was or could be contaminated by a release or threatened release from the contiguous property. The all appropriate inquiry must not result in knowledge of contamination, If it does, then such person did “know” or “had reason to know” of contamination and would not be eligible for the contiguous property owner liability protection.

controlled recognized environmental condition (CREC)- a *recognized environmental condition* resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or its equivalent, or meeting risk-based criteria established by the regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

CORRACTS list – a list maintained by EPA of hazardous waste treatment, storage, or disposal facilities and other RCRA-regulated facilities (due to past interim status or storage of hazardous waste beyond 90 days) that have been notified by the U.S. Environmental Protection Agency to undertake corrective action under RCRA. The CORRACTS list is a subset of the EPA database that manages RCRA data.

data failure – a failure to achieve the historical research objectives even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.

data gap – a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.)

demolition debris – concrete, brick, asphalt, and other such building materials discarded in the demolition of a building or other improvement to property.

drum – a container (typically, but not necessarily, holding 55 gal (208 L) of liquid) that may be used to store hazardous substances or petroleum products.

dry wells – underground areas where soil has been removed and replaced with pea gravel, coarse sand, or large rocks. Dry wells are used for drainage, to control storm runoff, for the collection of spilled liquids (intentional and non-intentional) and wastewater disposal (often illegal).

due diligence – the process of inquiring into the environmental characteristics of a parcel of commercial real estate or other conditions, usually in connection with a commercial real estate transaction. The degree and kind of due diligence vary for different properties and differing purposes.

dwelling – structure or portion thereof used for residential habitation.

engineering controls (EC) – physical modifications to a site or facility (for example, capping, slurry walls, or point of use water treatment) to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or ground water on the property. Engineering controls are a type of activity and use limitations.

environmental compliance audit – the investigative process to determine if the operations of an existing facility are in compliance with applicable environmental laws and regulations. This term should not be used to describe this practice, although an environmental compliance audit may include an environmental site assessment or, if prior audits are available, may be part of an environmental site assessment.

environmental lien – a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 U.S.C. §§9607(1) & 9607(r) and similar state or local laws.

environmental professional – a person meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b). The person may be an independent contractor or an employee of the user.

environmental site assessment (ESA) – the process by which a person or entity seeks to determine if a particular parcel of real property (including improvements) is subject to recognized environmental conditions. At the option of the user, an environmental site assessment may include more inquiry than that constituting all appropriate inquiry or, if the user is not concerned about qualifying for the LLP's, less inquiry than that constituting all appropriate inquiry. An environmental site assessment is both different from and less rigorous than an environmental compliance audit.

ERNS list – EPA's emergency response notification system list of reported CERCLA hazardous substances releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center. Notification requirements for such releases or spills are codified in 40 CFR Parts 302 and 355.

Federal Register, (FR) – publication of the United States government published daily (except for federal holidays and weekends) containing all proposed and final regulations and some other activities of the federal government. When regulations become final, they are included in the Code of Federal Regulations (CFR), as well as published in the Federal Register.

fill dirt – dirt, soil, sand, or other earth, that is obtained off-site, that is used to fill holes or depressions, create mounds, or otherwise artificially change the grade or elevation of real property. It does not include material that is used in limited quantities for normal landscaping activities.

fire insurance maps – maps produced for private fire insurance map companies that indicate uses of properties at specified dates and that encompass the property. These maps are often available at local libraries, historical societies, private resellers, or from the map companies who produced them.

good faith – the absence of any intention to seek an unfair advantage or to defraud another party; an honest and sincere intention to fulfill one’s obligations in the conduct or transaction concerned.

hazardous substance – a substance defined as a hazardous substance pursuant to CERCLA 42 U.S.C. §9601(14), as interpreted by EPA regulations and the courts: “(A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title, (C) any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, 942 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C. §§6901 *et seq.*) has been suspended by Act of Congress), (D) any toxic pollutant listed under section 1317(a) of Title 33, (E) any hazardous air pollutant listed under section 112 of the Clean Air Act (42 U.S.C. §7412) and (F) any imminently hazardous chemical substance or mixture with respect to which the Administrator (of EPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).”

hazardous waste – any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of RCRA, as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C. §§6901-6992k) has been suspended by Act of Congress). RCRA is sometimes also identified as the Solid Waste Disposal Act. RCRA defines hazardous waste, at 42 U.S.C. §6903, as: “a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may – (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating, reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.”

hazardous waste/contaminated sites – sites on which a release has occurred, or is suspected to have occurred, of any hazardous substance, hazardous waste, or petroleum products, and that release or suspected release has been reported to a government entity.

historical recognized environmental conditions – an environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. The final decision rests with the environmental professional and will be influenced by the current impact of the historical recognized environmental condition on the property. If a past release of any hazardous substances of petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered an historical recognized environmental condition and included in the findings section of Phase I Environmental Site Assessment report. If this historical recognized environmental condition is determined to be a recognized environmental condition at the time the Phase I environmental Site Assessment is conducted, the condition shall be identified as such and listed in the conclusions section of the report.

IC/EC registries – databases of institutional controls or engineering controls that may be maintained by a federal, state or local environmental agency for purposes of tracking sites that may contain residual contamination and AUL's. The names for these may vary from program to program and state to state, and include terms such as Declaration of Environmental Use Restriction database (Arizona), list of "deed restrictions" (California), environmental real covenants list (Colorado), Brownfields site list (Indiana, Missouri, Pennsylvania).

innocent landowner defense – (42 U.S.C. §§9601(35) & 9607(b)(3)) – a person may qualify as one of three types of innocent landowners: (i) a person who "did not know and had no reason to know" that contamination existed on the property at the time the purchaser acquired the property; (ii) a government entity which acquired the property by escheat, or through any other involuntary transfer or acquisition, or through the exercise of eminent domain authority by purchase or condemnation; and (iii) a person who "acquired the facility by inheritance or bequest." To qualify for the first type of innocent landowner LLP, such person must have made all appropriate inquiry on or before the date of purchase. Furthermore, the all appropriate inquiry must not have resulted in knowledge of the contamination. If it does, then such person did "know" of "had reason to know: of contamination and would not be eligible for the innocent landowner defense.

institutional controls (IC) – a legal or administrative restriction (for example, "deed restrictions," restrictive covenants, easements, or zoning) on the use of, or access to, a site or facility to (1) reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or ground water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. An institutional control is a type of Activity and Use Limitation (AUL).

interviews - those portions of this practice that address questions to be asked of past and present owners, operators, and occupants of the property and questions to be asked of local government officials.

key site manager – the person identified by the owner or operator of a property as having good knowledge of the uses and physical characteristics of the property.

landfill – a place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term solid waste disposal site and is also known as a garbage dump, trash dump, or similar term.

Landowner Liability Protections (LLPs) – landowner liability protections under CERCLA; these protections include the bona fide prospective purchaser liability protection, contiguous property owner liability protection, and innocent landowner defense from CERCLA liability.

local government agencies - those agencies of municipal or county government having jurisdiction over the property. Municipal and county government agencies include but are not limited to cities, parishes, townships, and similar entities.

local street directories - directories published by private (or sometimes government) sources that show ownership, occupancy, and/or use of sites by reference to street addresses. Often local street directories are available at libraries, or historical societies, and/or local municipal offices.

LUST sites – state lists of leaking underground storage tank sites. RCRA gives EPA and states, under cooperative agreements with EPA, authority to clean up releases from UST systems or require owners and operators to do so.

major occupants – those tenants, subtenants, or other persons or entities each of which uses at least 40% of the leasable area of the property or any anchor tenant when the property is a shopping center.

material safety data sheet (MSDS) – written or printed material concerning a hazardous substance which is prepared by chemical manufacturers, importers, and employers for hazardous chemicals pursuant to OSHA's Hazard Communication Standard, 29 C.F.R. §1910.1200.

material threat – a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professions, is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank system that contains a hazardous substance and which shows evidence of damage. The damage would represent a material threat if it is deemed serious enough that it may cause or contribute to tank integrity failure with a release of contents to the environment.

National Contingency Plan (NCP) – the National Oil and Hazardous Substances Pollution Contingency Plan, found at 40 C.F.R. Part 300, that is the EPA's blueprint on how hazardous substances are to be cleaned up pursuant to CERCLA.

obvious – that which is plain or evident; a condition or fact that could not be ignored or overlooked by a reasonable observer while visually or physically observing the property.

occupants – those tenants, subtenants, or other persons, or entities using the property or a portion of the property.

operator – the person responsible for the overall operation of a facility.

other historical sources – any source or sources that are credible to a reasonable person and that identify past uses of the property. The term includes, but is not limited to: miscellaneous maps, newspaper archives, internet sites, community organizations, local libraries, historical societies, current owners or occupants of neighboring properties, and records in the files and/or personal knowledge of the property owner and/or occupants.

owner – generally the fee owner of record of the property.

petroleum exclusion – the exclusion from CERCLA liability provided in 42 U.S.C. §9601(14), as interpreted by the courts and EPA: “The term (hazardous substance) does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural liquid gas, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas.)”

petroleum products – those substances included within the meaning of the petroleum exclusion to CERCLA, 42 U.S.C. §9601(14), as interpreted by the courts and EPA, that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of 42 U.S.C. §9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). (The word fraction refers to certain distillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to Standard Definitions of Petroleum Statistics.)

Phase I Environmental Site Assessment – the process described in this practice.

physical setting sources – sources that provide information about the geologic, hydrogeologic, hydrologic, or topographic characteristics of a property.

pits, ponds, or lagoons – man-made or natural depressions in a ground surface that are likely to hold liquids or sludge containing hazardous substances or petroleum products. The likelihood of such liquids or sludge being present is determined by evidence of factors associated with the pit, pond, or lagoon, including, but not limited to, discolored water, distressed vegetations, or the presence of an obvious wastewater discharge.

practically reviewable – information that is practically reviewable means that the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the property without the need for extraordinary analysis of the irrelevant data.

property – the real property that is the subject of the environmental site assessment described in this practice. Real property includes buildings and other fixtures and improvements located on the property and affixed to the land.

property tax files – the files kept for property tax purposes by the local jurisdiction where the property is located and may include records of past ownership, appraisals, maps, sketches, photos, or other information that is reasonably ascertainable and pertaining to the property.

publicly available – information that is publicly available means that the source of the information allows access to the information by anyone upon request.

RCRA generators – those persons or entities that generate hazardous wastes, as defined and regulated by RCRA.

RCRA generators list – list kept by EPA of those persons or entities that generate hazardous wastes as defined and regulated by RCRA.

RCRA TSD facilities list – list kept by EPA of those facilities on which treatment, storage, and/or disposal of hazardous wastes takes place, as defined and regulated by RCRA.

reasonably ascertainable – information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable.

recognized environmental conditions – the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De Minimis conditions are not recognized environmental conditions

recorded land title records – records of historical fee ownership, which may include leases, land contracts, and AULs on or of the property recorded in the place where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located. (Often such records are kept by a municipal or county recorder or clerk.) Such records may be obtained from title companies or directly from the local government agency. Information about the title to the property that is recorded in a U.S. district court or any place other than where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located, are not considered part of recorded land title records.

records of emergency release notifications EPCRA – (42 U.S.C. §11004) – requires operators of facilities to notify their local emergency planning committee (as defined in EPCRA) and state emergency response commission (as defined in EPCRA) of any release beyond the facility’s boundary of any reportable quantity of any extremely hazardous substance. Often the local fire department is the local emergency planning committee. Records of such notifications are “Records of Emergency Release Notifications” (42 U.S.C. 11004).

records review – the part that is contained that addresses which records shall or may be reviewed.

report – the written report prepared by the environmental professional and constituting part of a “Phase I Environmental Site Assessment,” as required by this practice.

site reconnaissance – that part that addresses what should be done in connection with the site visit. The site reconnaissance includes, but is not limited to, the site visit done in connection with such a Phase I Environmental Site Assessment.

site visit – the visit to the property during which observations are made constituting the site reconnaissance section of this practice.

solid waste disposal site – a place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term landfill and is also known as a garbage dump, trash dump, or similar term.

solvent – a chemical compound that is capable of dissolving another substance and may itself be a hazardous substance, used in a number of manufacturing/industrial processes including but not limited to the manufacture of paints and coatings for industrial and household purposes, equipment clean-up, and surface degreasing in metal fabricating industries.

standard physical setting source – a current USGS 7.5 Minute Topographic Map (if any) showing the area on which the property is located.

standard practice – the activities set forth in this practice.

standard sources – sources of environmental, physical setting, or historical records specified in this practice.

state registered USTs – state lists of underground storage tanks required to be registered under Subtitle I, Section 9002 of RCRA.

sump – a pit, cistern, cesspool, or similar receptacle where liquids drain, collect, or are stored.

TSD facility – treatment, storage, or disposal facility (see RCRA TSD facilities).

underground injection – the emplacement or discharge of fluids into the subsurface by means of a well, improved sinkhole, sewage drain hole, subsurface fluid distribution system or other system, or groundwater point source.

underground storage tank (UST) – any tank, including underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10 % or more beneath the surface of the ground.

user – the party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The user has specific obligations for completing a successful application of this practice.

USGS 7.5 Minute Topographic Map – the map (if any) available from or produced by the United State Geological Survey, entitled “USGS 7.5 Minute Topographic Map,” and showing the property.

visually and/or physically observed – during a site visit pursuant to this practice, this term means observations made by vision while walking through a property and the structures located on it and observations made by the sense of smell, particularly observations made by the sense of smell, particularly observations of noxious or foul odors. The term “walking through” is not meant to imply that disabled persons who cannot physically walk may not conduct a site visit; they may do so by the means at their disposal for moving through the property and the structures located on it.

wastewater – water that (1) is or has been used in an industrial or manufacturing process, (2) conveys or has conveyed sewage, or (3) is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant. Wastewater does not include water originating on or passing through or adjacent to a site, such as stormwater flows, that has not been used in industrial or manufacturing processes, has not been combined with sewage, or is not directly related to manufacturing, processing, or raw materials storage areas at an industrial plant.

zoning/land use records – those records of the local government in which the property is located indicating the uses permitted by the local government in particular zones within its jurisdiction. The records may consist of maps and/or written records. They are often located in the planning department of a municipality or county.

APPENDIX D – Terracon LSI

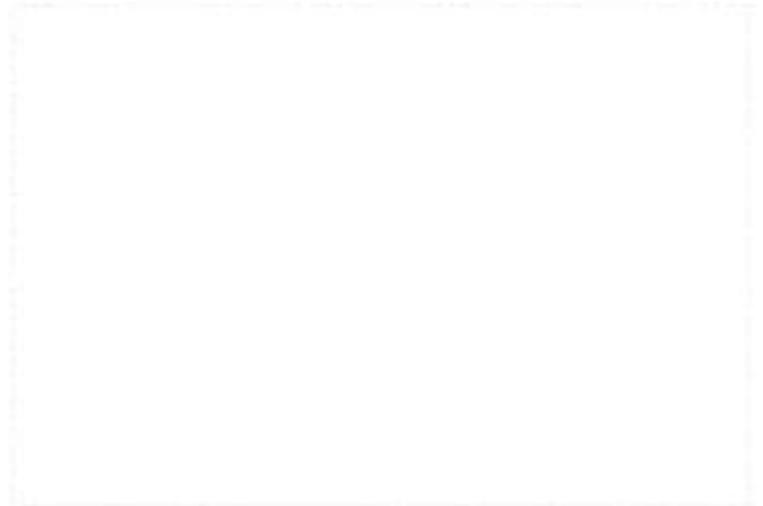
Limited Site Characterization

Former General Services Building

February 20, 2024 | Project No. 15237437

101 General Services
Rolla, Missouri 65409

Prepared for:
Missouri S&T
115 General Services
1701 Spruce Drive
Rolla, Missouri 65409



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February 20, 2024
Missouri S&T
115 General Services
1701 Spruce Drive
Rolla, Missouri 65409

Attn: Bradley Clay
573-341-4888
bradleyclay@mst.edu

Re: Limited Site Characterization

Former General Services Building (GSB)
101 General Services
Rolla, Missouri 65409

Terracon Project No. 15237437

Dear Mr. Clay:

Terracon Consultants, Inc. (Terracon) is pleased to submit our report of Limited Site Investigation (LSI) activities completed at the site referenced above. Terracon conducted the LSI in general accordance with our proposal P15237437, dated December 8, 2023.

Terracon appreciates this opportunity to provide environmental consulting services to Missouri S&T. Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,
Terracon Consultants, Inc.

A handwritten signature in black ink, appearing to read 'Elizabeth C. Miller'.

Elizabeth C. Miller, P.E.
Project Engineer

A handwritten signature in black ink, appearing to read 'Karen T. Rieken'.

Karen T. Rieken, P.E.
Site Investigation Regional Manager

Enclosure

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APPENDIX A – EXHIBITS

Exhibit 1 – Topographic Map

Exhibit 2 – Site Diagram

APPENDIX B – TABLES

Table Notes

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APPENDIX C – SOIL BORING LOGS

General Notes

United Soil Classification System

Borings Logs: B1 through B16

APPENDIX D – LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY

Limited Site Characterization

Former General Services Building (GSB)
101 General Services
Rolla, Missouri 56409

Terracon Project No. 15237437
February 20, 2024

1.0 Site Description and Background Information

| | |
|-------------------------|---|
| Site Name | Former General Services Building (GSB) |
| Site Address | 101 General Services, Rolla, Missouri |
| Site Description | This site is the former General Services Building, part of the Missouri S&T campus. The site is a former underground storage tank facility in the Missouri Department of Natural Resources (MDNR) storage tank database and on the MDNR EStart website. The registered site number with MDNR is ST0005229 and 8 tanks were removed in 1996. UST contents included gasoline, kerosene, and diesel fuels. MDNR issued a No Further Action letter for the tank closure on June 15, 1996. |

A Topographic Map showing the site location is included as Exhibit 1 and a Site Diagram indicating the sample locations is included as Exhibit 2 in Appendix A.

1.1 Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, express or implied, regarding the findings, conclusions, or recommendations. Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the scope of work agreed with you, our client, as reflected in our proposal and were not intended to be in strict conformance with ASTM E1903-19.

1.2 Additional Scope Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this LSI. Subsurface conditions may vary from those encountered at

specific borings or wells or during other surveys, tests, assessments, investigations, or exploratory services. The data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

1.3 Reliance

This report has been prepared for the exclusive use of Missouri S&T and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Missouri S&T and Terracon. Any unauthorized distribution or reuse is at Missouri S&T's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal, LSI report, and Terracon's Agreement for Services. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to Missouri S&T and all relying parties unless otherwise agreed in writing.

2.0 Scope of Services

This Limited Site Investigation (LSI) was undertaken at your request to assess potential environmental impacts to the on-site soil and groundwater that may be present as a result of the former USTs that were in use at the site. Please note that Terracon did not conduct a Phase I Environmental Site Assessment (ESA) and that the scope of services for this proposal is based solely on information provided by the client and in the MDNR tanks database, reviewed on November 16, 2023.

After the sampling event occurred, Terracon was provided with a copy of a Phase I Environmental Site Assessment conducted by Environmental Operations, Inc. (EOI) dated July 8, 2022. In the Phase I ESA, EOI identified three recognized environmental conditions (RECs). The RECs include the likelihood of hydraulic loading dock lift fluid leaking for a prolonged period of time and its presence in the underlying soil in unknown quantities, the high likelihood of staining being associated with the operation of an air compressor in the Facility Operations/General Services Building manufactured prior to 1979 and the released hydraulic oils associated with such machinery, and non-clean fill material's presence on the subject property. Further investigation was recommended for all three RECs. In addition to the RECs, EOI identified a release of approximately 200-gallons from an 20,000-gallon gasoline above ground storage tank (AST) in 1993. MDNR granted a No Further Action letter in August of 2007.

On MDNR's Environmental Site Tracking and Research Tool (eStart) website, the site is denoted as a Petroleum Tank Site with a NFA with restrictions. A copy of the August 2007 NFA letter is available through the same website, and the letter does not list restrictions and refers to only a gasoline spill.

A search of MDNR's Underground Storage Tank database identified that eight USTs have been removed from the facility. However, after discussions with both the Tank Section of MDNR and Lisa Loftis of the Missouri Petroleum Storage Tank Insurance Fund (PSTIF), these tanks may not have been associated with the site. According to PSTIF representative, the university has in the past use one address to register the tanks which they own, regardless of location.

The objective of the LSI was to evaluate the presence of chemicals of concern associated with the potential environmental impact that may be present as a result of the former USTs. The scope of services was not intended to identify every chemical possibly associated with the site. The proposed scope was not intended to determine the extent or magnitude of any existing release. Additionally, contaminant concentrations detected in samples collected during the LSI are not necessarily representative of average or maximum concentrations over the entire site.

This LSI report presents data from field activities that included the advancement of borings for the collection and analysis of soil samples for chemical analysis. The activities were conducted to assess potential impacts to environmental media from historical uses of the site and adjoining properties. The borings were advanced to a depth of 25 feet below ground surface (bgs) or refusal. The depth of the borings ranged from 4 to 25 feet bgs. Soil samples were analyzed for volatile organic compounds (VOCs) and total petroleum hydrocarbons (TPH) – gasoline range organics (GRO) by EPA method 8260, TPH- diesel range organic/oil range organics (DRO/ORO) and polycyclic aromatic hydrocarbons (PAHs) by EPA method 8270, and lead by EPA method 6010. The one water sample collected was located at B7 and was analyzed for VOCs, TPH-GRO, THP-DRO/ORO, PAHs, and dissolved lead.

3.0 Field Investigation

3.1 Safety and Subsurface Utilities

Terracon is committed to the safety of all its employees. As such, and in accordance with our Incident and Injury Free® safety goals, Terracon conducted the fieldwork under a site-specific health and safety plan. The plan identified site-specific job hazards and proper pre-task planning procedures. Work was performed using U.S. EPA Level D work attire consisting of hard hats, high-visibility attire, safety glasses, protective gloves, and protective boots. Terracon contacted Missouri Dig Rite and requested location and marking for subsurface utilities that the service was responsible for before commencing intrusive activities at the site. Terracon also conducted a private utility locator survey prior to the start of field work for this project.

3.2 Media Sampling Discussion

A total of 16 soil borings were advanced at the site and converted to groundwater temporary sampling points utilizing (Industrial & Petroleum Environmental Services Inc. of Hallsville, Missouri). The sample locations were selected to assess the areas with the highest potential for detecting chemicals of concern based on the locations of potential sources (locations of previous USTs) and the presumed groundwater flow direction. Refer to the attached Site Diagram (Exhibit 2, Appendix A) for a depiction of the sample locations and pertinent site features.

Soil and groundwater samples were collected in laboratory-provided containers, properly labeled, and placed on ice in a cooler for transportation to the laboratory.

The samples and completed chain-of-custody forms were relinquished under chain of custody procedures to PACE, a NELAP certified laboratory located in Mount Juliet, Tennessee. Samples were submitted for analysis on standard turnaround time basis. The samples were analyzed using standard EPA or ASTM test methods, as detailed as previously discussed.

3.3 Field Procedures

3.3.1 Boring Advancement

Drilling services were performed by a State of Missouri licensed driller using a direct-push technology (DPT) drill rig on December 18 and 19, 2023. Oversight of the drilling activities was conducted by Ms. Liz Miller, a Terracon environmental professional. Soil samples were collected using 5-foot direct-push sampling tubes lined with dedicated polyvinyl chloride (PVC) liners.

3.3.2 Field Screening

Soil samples were collected continuously and were observed to document soil lithology, color, moisture content and sensory evidence of impairment. The soil samples were field-screened at 2 to 3-foot intervals using a photoionization detector (PID) to indicate the presence of volatile organic compounds (VOCs). Terracon calibrated the PID in accordance with the manufacturer's recommendations before the field activities. The boring logs in Appendix C include the lithology and field screening results for each boring.

3.3.3 Media Sample Collection

3.3.3.1 Soil

Terracon's soil sampling program involved assigning two soil samples from each soil boring for laboratory analysis when there was enough material collected. One soil sample was collected from the surficial (0 to 3 feet bgs) strata and the second from the subsurface (greater than 3 feet bgs and above the groundwater table) from each soil boring. The soil sample collected from the interval exhibiting the highest PID reading and/or highest likelihood of a release based on the field professional's judgment in each soil boring was selected for the subsurface sample for laboratory analysis. If there was enough material, the second sample was obtained from the unsaturated zone below 3' from the interval with the highest PID reading. This sampling rationale was applied for soils in the unsaturated or vadose zone.

3.3.3.2 Groundwater

Terracon attempted to collect a groundwater sample from each temporary sampling point for laboratory analysis. Sufficient groundwater was not present in any of the temporary sampling points at the completion of drilling operations. Mr. Sean Mahoney, an environmental staff geologist, mobilized a second time on Thursday, December 28, 2024 (approximately 10 days after drilling). Prior to sample collection, each temporary sampling point was accessed for the presence of groundwater. Only one location contained enough groundwater to sample. This temporary sampling point, B7, was purged, and a groundwater sample was collected via disposable bailers for laboratory analysis.

3.4 Site Restoration

At the completion of field activities, Terracon abandoned the borings accordance with state regulations and guidelines. The borings were backfilled with bentonite pellets to near surface grade, hydrated, and then completed with surface materials to match the surrounding surface.

4.0 Field Investigation Results

4.1 Geology/Hydrogeology

The boring logs in Appendix C detail the observed soil stratigraphy. The lithology encountered at the site generally consisted of layers of gravelly silty clay from beneath the ground surface to depths ranging from 0-10 feet below grade surface (bgs). At that point the soil would become sandy silty until refusal. The static depth to groundwater obtained during groundwater sample collection at B7 was 14 feet below ground surface (bgs) and groundwater was not encountered at the remaining boring locations.

4.2 Field Screening

The field screening results are presented on the boring logs found in Appendix C.

PID readings ranging from less than 1.0 parts per million (ppm) to 34.6 ppm(B14) were measured in soil samples collected during the advancement of borings.

5.0 Laboratory Analytical Results

The laboratory analytical report and chain-of-custody records are attached in Appendix D. The following sections describe the results of the testing. The detection of an analyte at a concentration above a screening level does not necessarily indicate an adverse impact to human health or the environment; however, an exceedance of a screening level may indicate that additional investigation or action is warranted.

5.1 Comparative Data Standards

The laboratory analytical results were reviewed and compared to the Missouri Department of Natural Resources (MDNR) – Risk-Based Corrective Action (MRBCA) Default Target Levels (DTLs), November 2006, updated. DTLs are the most conservative chemical and medium specific concentrations that allow unrestricted use of the property. Because DTLs are the most conservative values, their application does not require evaluation of site-specific exposure pathways, the development of a conceptual site model, activity and use limitations, or the determination of whether groundwater is used or is likely to be used for domestic consumption. Sample results are compared to the DTLs in the tables located in Appendix B.

Because lead is a naturally-occurring metal, the MDNR allows for the comparison of soil results to typical background levels. During this investigation, lead was detected in soil samples above the DTLs. The MDNR has established a threshold below which concentrations can be presumed to be naturally-occurring or background. The threshold level is based on the county-specific average concentration plus two standard deviations. Consistent with MDNR guidance, Terracon utilized the following reference document: Tidball, Ronald R., *Geography of Soil Geochemistry of Missouri Agricultural Soils: Geochemical Survey of Missouri*, Geological Survey Professional Paper 954-H, 1984 and Phelps County data. For lead, the presumptive background level in Phelps County is 27.02 milligrams per kilogram (mg/kg).

Based upon our discussions with Missouri S&T, the lab data above the DTLs were compared to both the residential land use and non-residential land use risk-based target levels (RBTLs).

5.2 Quality Assurance/Quality Control

Refer to Appendix D for the Laboratory Analytical Report. The lab report contains additional information regarding the sample preparation, analysis and results that should be considered in the interpretation of the data. The sample for B5 was not received by the lab and therefore was not able to be analyzed.

Quality assurance/quality control (QA/QC) of laboratory analytical data was maintained using the following methods and procedures:

- Established reporting limits (RLs) with the laboratory that meet project Data Quality Objectives (DQOs);
- Laboratory QA/QC controls, such as laboratory control standard (LCS), matrix spike (MS), and matrix spike duplicate (MSD);
- One trip blank was shipped with the laboratory-supplied sampling containers and returned to the laboratory with the groundwater samples for each day of sampling. The trip blank was analyzed for VOCs.
- Collection of samples in laboratory provided containers;
- Chain-of-custody protocols;
- Storage and transportation of samples in secured, chilled containers (soil and groundwater).

5.3 Soil Sample Results

Two soil samples were collected from each of the borings, with the exception of B5. One soil sample was collected from B5 since refusal was encountered at 4 feet; however, this sample was misplaced during shipment to the laboratory, and as such, no analysis was performed on the soil at this location. One sample was collected from the surficial zone (depth less than 3 feet bgs). One sample was collected from the subsurface from the interval exhibiting the highest PID reading and/or highest likelihood of a release based on the field professional’s judgment in each soil boring was selected for laboratory analysis.

Several VOCs, TPH-GRO/DRO/ORO, PAHs were present above the laboratory reporting limits but were present at concentrations less than their applicable MRBCA DTLs. VOC and PAH constituents exceeding their respective DTLs were further compared to the various risk-based target levels (RBTLs) in the table below. The only concentration which exceeded the Residential RBTLs was benzo(a)pyrene found at B8 0-3. This concentration was below the Non-residential RBTL.

Samples above DTLs in milligrams per kilogram (mg/kg)

| Constituent | B8 (0-3) | B14 (10-13) | Res RBTL 0-3' | Res RBTL >3' | Non-Res RBTL 0-3' | Non-Res RBTL >3' | CW RBTL |
|-------------------------|------------|-------------|---------------|--------------|-------------------|------------------|---------|
| Benzene | <0.00132 | 0.131 | 177 | 0.378 | 763 | 1.98 | 1820 |
| Methyl-tert-butyl ether | <0.00132 | 0.635 | 3450 | 21.6 | 14900 | 113 | 165000 |
| Benzo(a)pyrene | 1.7 | <0.0443 | 0.620 | 225000 | 2.11 | 1180000 | 119 |

RES RBTL = Tier 1 Residential Risk-Based Target Level

Non-Res RBTL = Tier 1 Non-residential RBTL

CW RBTL = Construction Worker RBTL

Bold = exceeds Residential RBTL

Highlighted Yellow = exceeds Non-residential RBTL

The lead DTL was exceeded in each of the soil samples analyzed. Additionally, lead exceeded the MDNR allowable background concentrations in the following samples: B4 (0-3), B6 (0-3), B8 (0-3), B10 (0-3), and B12 (3-5). Although the lead concentration at these locations exceed the DTL and presumptive background concentrations, they were less than the residential RBTL of 260 mg/kg and the non-residential RBTL of 660 mg/kg.

5.4 Groundwater Sample Results

The groundwater analytical data and corresponding DTLs are summarized in Table 4 (Appendix B). The groundwater sample analyzed did not have constituents of concern present above the laboratory reporting limits.

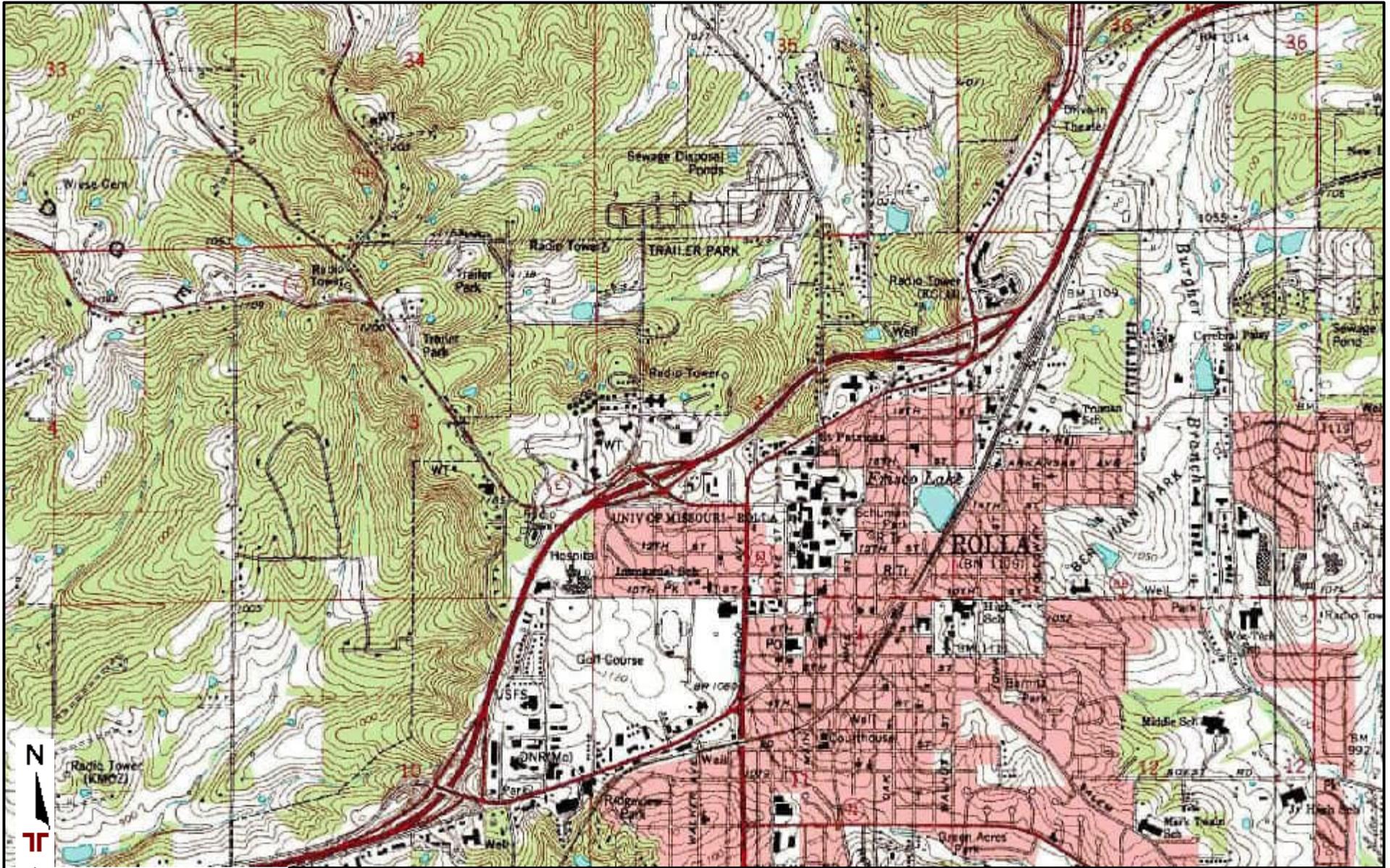
6.0 Conclusions and Recommendations

Sampling in the presumed source area and beyond indicated that the constituents of concern are present above the DTLs in soil but less than the non-residential RBTLs. Terracon recommends that a Media Management Plan be developed and utilized at the site during the site redevelopment activities.

APPENDIX A – EXHIBITS

Exhibit 1 – Topographic Map

Exhibit 2 – Site Diagram



TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY
 QUADRANGLES INCLUDE: ROLLA, MO (1/1/2004) and DILLON, MO (1/1/1992).

DIAGRAM IS FOR GENERAL LOCATION ONLY,
 AND IS NOT INTENDED FOR CONSTRUCTION
 PURPOSES

| | |
|-------------------------|-------------------------|
| Project Manager: ECM | Project No. 15237437 |
| Drawn by: VAH | Scale: 1"=2,000' |
| Checked by: ECM | File Name: Map |
| Approved by: ECM | Date: 12/20/23 |


 11600 Lilburn Park Rd
 Saint Louis, MO 63146-3535

TOPOGRAPHIC MAP

 Former GSB
 101 General Services
 Rolla, MO

| |
|---------|
| Exhibit |
| 1 |



Bing

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager: ECM
 Drawn by: VAH
 Checked by: ECM
 Approved by: ECM

Project No. 15237437
 Scale: AS SHOWN
 File Name: Map
 Date: 12/20/23



11600 Lilburn Park Rd
 Saint Louis, MO 63146-3535

SITE DIAGRAM

Former GSB
 101 General Services
 Rolla, MO

Exhibit

2

APPENDIX B – TABLES

Table 1 – Soil Analytical Results Summary

Table 2 – Groundwater Analytical Results Summary

Table Notes

Default Target Levels from Table B-1, *Missouri Risk-Based Corrective Action Technical Guidance*, June 2006 with June 2008 Revisions.

mg/L = milligrams per liter, generally equivalent to parts per million (ppm)

mg/kg = milligrams per kilogram, generally equivalent to ppm

Table 1 - VOCs

| | | Sample Location/Identification | B1 | B1 | B2 | B2 | B3 | B3 | B4 | B4 | B6 | B6 | B7 |
|---------------------------------------|-------|--------------------------------|---------------|--------------|---------------|--------------|---------------|--------------|--------------|---------------|---------------|---------------|------------|
| | | Sample Depth (feet) | 0-3 | 5-8 | 0-3 | 17-19 | 0-3 | 5-6 | 0-3 | 10-13 | 0-3 | 13-15 | 0-3 |
| | | Date Collected | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 |
| Compound | Units | Default Target Level | | | | | | | | | | | |
| Volatile Organic Compounds | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | mg/kg | 0.0715 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,1,1-Trichloroethane | mg/kg | 4.24 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,1,2,2-Tetrachloroethane | mg/kg | 0.0105 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | mg/kg | 641 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,1,2-Trichloroethane | mg/kg | 0.0448 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,1-Dichloroethane | mg/kg | 0.18 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,1-Dichloroethene | mg/kg | 0.108 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,1-Dichloropropene | mg/kg | None | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,2,3-Trichlorobenzene | mg/kg | None | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,2,3-Trichloropropane | mg/kg | 0.000623 | <0.00337 | <0.00319 | <0.00304 | <0.00343 | <0.00291 | <0.00316 | <0.00296 | <0.00335 | <0.00282 | <0.00329 | <0.00367 |
| 1,2,3-Trimethylbenzene | mg/kg | None | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,2,4-Trichlorobenzene | mg/kg | 18.7 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,2,4-Trimethylbenzene | mg/kg | 3.93 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,2-Dibromo-3-Chloropropane | mg/kg | 0.0011 | <0.00675 | <0.00638 | <0.00608 | <0.00686 | <0.00582 | <0.00633 | <0.00592 | <0.00670 | <0.00564 | <0.00657 | <0.00735 |
| 1,2-Dibromoethane | mg/kg | 0.000473 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,2-Dichlorobenzene | mg/kg | 56.1 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,2-Dichloroethane | mg/kg | 0.0206 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,2-Dichloropropane | mg/kg | 0.042 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,3,5-Trimethylbenzene | mg/kg | 0.882 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,3-Dichlorobenzene | mg/kg | 8.39 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,3-Dichloropropane | mg/kg | None | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 1,4-Dichlorobenzene | mg/kg | 7.02 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 2,2-Dichloropropane | mg/kg | None | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 2-Butanone (MEK) | mg/kg | 7.3 | 0.0233 | <0.0128 | 0.0184 | <0.0137 | 0.0194 | <0.0127 | 0.013 | <0.0134 | <0.0113 | 0.0515 | <0.0147 |
| 2-Chlorotoluene | mg/kg | 3.88 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 4-Chlorotoluene | mg/kg | 0.0235 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| 4-Methyl-2-pentanone (MIBK) | mg/kg | 19.5 | <0.0135 | <0.0128 | <0.0122 | <0.0137 | <0.0116 | <0.0127 | <0.0118 | <0.0134 | <0.0113 | <0.0131 | <0.0147 |
| Acetone | mg/kg | 4.2 | 0.382 | 0.179 | 0.232 | 0.165 | 0.294 | 0.207 | 0.118 | 0.0713 | 0.0603 | 0.347 | 0.1 |
| Acrylonitrile | mg/kg | 0.000692 | <0.0135 | <0.0128 | <0.0122 | <0.0137 | <0.0116 | <0.0127 | <0.0118 | <0.0134 | <0.0113 | <0.0131 | <0.0147 |
| Benzene | mg/kg | 0.0561 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Bromobenzene | mg/kg | None | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Bromodichloromethane | mg/kg | 0.472 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Bromoform | mg/kg | 1.15 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Bromomethane | mg/kg | 0.0185 | <0.00675 | <0.00638 | <0.00608 | <0.00686 | <0.00582 | <0.00633 | <0.00592 | <0.00670 | <0.00564 | <0.00657 | <0.00735 |
| Carbon tetrachloride | mg/kg | 0.0796 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Chlorobenzene | mg/kg | 1.94 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Chlorodibromomethane | mg/kg | 0.87 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Chloroethane | mg/kg | 0.281 | <0.00675 | <0.00638 | <0.00608 | <0.00686 | <0.00582 | <0.00633 | <0.00592 | <0.00670 | <0.00564 | <0.00657 | <0.00735 |
| Chloroform | mg/kg | 0.0766 | <0.00675 | <0.00638 | <0.00608 | <0.00686 | <0.00582 | <0.00633 | <0.00592 | <0.00670 | <0.00564 | <0.00657 | <0.00735 |
| Chloromethane | mg/kg | 0.204 | <0.00337 | <0.00319 | 0.0283 | <0.00343 | <0.00291 | <0.00316 | <0.00296 | <0.00335 | <0.00282 | <0.00329 | <0.00367 |
| cis-1,2-Dichloroethene | mg/kg | 0.521 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| cis-1,3-Dichloropropene | mg/kg | 0.0506 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |

Table 1 - VOCs

| | | Sample Location/Identification | B1 | B1 | B2 | B2 | B3 | B3 | B4 | B4 | B6 | B6 | B7 |
|-----------------------------------|-------|--------------------------------|------------|------------|----------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Sample Depth (feet) | 0-3 | 5-8 | 0-3 | 17-19 | 0-3 | 5-6 | 0-3 | 10-13 | 0-3 | 13-15 | 0-3 |
| | | Date Collected | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 |
| Compound | Units | Default Target Level | | | | | | | | | | | |
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Dibromomethane | mg/kg | None | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Dichlorodifluoromethane | mg/kg | 1.49 | <0.00675 | <0.00638 | <0.00608 | <0.00686 | <0.00582 | <0.00633 | <0.00592 | <0.00670 | <0.00564 | <0.00657 | <0.00735 |
| Di-isopropyl ether | mg/kg | 4.12 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Ethylbenzene | mg/kg | 39.9 | <0.00135 | <0.00128 | 0.00145 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Hexachloro-1,3-butadiene | mg/kg | 16 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Isopropylbenzene | mg/kg | 10.5 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Methyl tert-butyl ether | mg/kg | 0.398 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Methylene Chloride | mg/kg | 0.0176 | <0.00675 | <0.00638 | <0.00608 | <0.00686 | <0.00582 | <0.00633 | <0.00592 | <0.00670 | <0.00564 | <0.00657 | <0.00735 |
| Naphthalene | mg/kg | 0.325 | <0.00675 | <0.00638 | <0.00608 | <0.00686 | <0.00582 | <0.00633 | <0.00592 | <0.00670 | <0.00564 | <0.00657 | <0.00735 |
| n-Butylbenzene | mg/kg | 41.6 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| n-Propylbenzene | mg/kg | 13 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| p-Isopropyltoluene | mg/kg | 271 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| sec-Butylbenzene | mg/kg | 35.2 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Styrene | mg/kg | 11.7 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| tert-Butylbenzene | mg/kg | 34.1 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Tetrachloroethene | mg/kg | 0.141 | <0.00135 | <0.00128 | <0.00122 | 0.00217 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Toluene | mg/kg | 29.8 | <0.00675 | <0.00638 | <0.00608 | <0.00686 | <0.00582 | <0.00633 | <0.00592 | <0.00670 | <0.00564 | <0.00657 | <0.00735 |
| trans-1,2-Dichloroethene | mg/kg | 1.1 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| trans-1,3-Dichloropropene | mg/kg | 0.0506 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Trichloroethene | mg/kg | 0.141 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Trichlorofluoromethane | mg/kg | 7.35 | <0.00675 | <0.00638 | <0.00608 | <0.00686 | <0.00582 | <0.00633 | <0.00592 | <0.00670 | <0.00564 | <0.00657 | <0.00735 |
| Vinyl chloride | mg/kg | 0.0192 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 | <0.00147 |
| Xylenes, Total | mg/kg | 24.7 | <0.00405 | <0.00383 | 0.00658 | <0.00412 | <0.00349 | <0.00380 | <0.00355 | <0.00402 | <0.00339 | <0.00394 | <0.00441 |
| GRO | mg/kg | 385 | <0.675 | <0.638 | <0.608 | <0.686 | <0.582 | <0.633 | <0.592 | <0.670 | <0.564 | <0.657 | <0.735 |

Table 1 - VOCs

| | | Sample Location/Identification | B7 | B8 | B8 | B9 | B9 | B10 | B10 | B11 | B11 | B12 | B12 |
|---------------------------------------|-------|--------------------------------|---------------|--------------|---------------|---------------|------------|--------------|---------------|---------------|------------|--------------|--------------|
| | | Sample Depth (feet) | 8-10 | 0-3 | 10-13 | 0-3 | 10-13 | 0-3 | 3-4 | 0-3 | 5-8 | 0-3 | 3-5 |
| | | Date Collected | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/19/2023 | 12/19/2023 |
| Compound | Units | Default Target Level | | | | | | | | | | | |
| Volatile Organic Compounds | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | mg/kg | 0.0715 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,1,1-Trichloroethane | mg/kg | 4.24 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,1,2,2-Tetrachloroethane | mg/kg | 0.0105 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | mg/kg | 641 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,1,2-Trichloroethane | mg/kg | 0.0448 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,1-Dichloroethane | mg/kg | 0.18 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,1-Dichloroethene | mg/kg | 0.108 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,1-Dichloropropene | mg/kg | None | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,2,3-Trichlorobenzene | mg/kg | None | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,2,3-Trichloropropane | mg/kg | 0.000623 | <0.00272 | <0.00331 | <0.00350 | <0.00263 | <0.00323 | <0.00321 | <0.00335 | <0.00318 | <0.00328 | <0.00334 | <0.00362 |
| 1,2,3-Trimethylbenzene | mg/kg | None | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | 0.00256 | <0.00131 | <0.00134 | <0.00145 |
| 1,2,4-Trichlorobenzene | mg/kg | 18.7 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,2,4-Trimethylbenzene | mg/kg | 3.93 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,2-Dibromo-3-Chloropropane | mg/kg | 0.0011 | <0.00543 | <0.00660 | <0.00699 | <0.00525 | <0.00645 | <0.00643 | <0.00670 | <0.00635 | <0.00655 | <0.00668 | <0.00724 |
| 1,2-Dibromoethane | mg/kg | 0.000473 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,2-Dichlorobenzene | mg/kg | 56.1 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,2-Dichloroethane | mg/kg | 0.0206 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,2-Dichloropropane | mg/kg | 0.042 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,3,5-Trimethylbenzene | mg/kg | 0.882 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,3-Dichlorobenzene | mg/kg | 8.39 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,3-Dichloropropane | mg/kg | None | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 1,4-Dichlorobenzene | mg/kg | 7.02 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 2,2-Dichloropropane | mg/kg | None | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 2-Butanone (MEK) | mg/kg | 7.3 | 0.0366 | <0.0132 | 0.0662 | <0.0105 | <0.0129 | <0.0129 | <0.0134 | 0.0497 | <0.0131 | 0.206 | <0.0145 |
| 2-Chlorotoluene | mg/kg | 3.88 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 4-Chlorotoluene | mg/kg | 0.0235 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| 4-Methyl-2-pentanone (MIBK) | mg/kg | 19.5 | <0.0109 | <0.0132 | <0.0140 | <0.0105 | <0.0129 | <0.0129 | <0.0134 | <0.0127 | <0.0131 | <0.0134 | <0.0145 |
| Acetone | mg/kg | 4.2 | 0.242 | 0.176 | 0.921 | 0.0662 | <0.0645 | 0.145 | 0.0988 | <2.04 | <0.0655 | 1.78 | 0.151 |
| Acrylonitrile | mg/kg | 0.000692 | <0.0109 | <0.0132 | <0.0140 | <0.0105 | <0.0129 | <0.0129 | <0.0134 | <0.0127 | <0.0131 | <0.0134 | <0.0145 |
| Benzene | mg/kg | 0.0561 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Bromobenzene | mg/kg | None | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Bromodichloromethane | mg/kg | 0.472 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Bromoform | mg/kg | 1.15 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Bromomethane | mg/kg | 0.0185 | <0.00543 | <0.00660 | <0.00699 | <0.00525 | <0.00645 | <0.00643 | <0.00670 | <0.00635 | <0.00655 | <0.00668 | <0.00724 |
| Carbon tetrachloride | mg/kg | 0.0796 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Chlorobenzene | mg/kg | 1.94 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Chlorodibromomethane | mg/kg | 0.87 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Chloroethane | mg/kg | 0.281 | <0.00543 | <0.00660 | <0.00699 | <0.00525 | <0.00645 | <0.00643 | <0.00670 | <0.00635 | <0.00655 | <0.00668 | <0.00724 |
| Chloroform | mg/kg | 0.0766 | <0.00543 | <0.00660 | <0.00699 | <0.00525 | <0.00645 | <0.00643 | <0.00670 | <0.00635 | <0.00655 | <0.00668 | <0.00724 |
| Chloromethane | mg/kg | 0.204 | <0.00272 | <0.00331 | <0.00350 | <0.00263 | <0.00323 | <0.00321 | <0.00335 | <0.00318 | <0.00328 | <0.00334 | <0.00362 |
| cis-1,2-Dichloroethene | mg/kg | 0.521 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| cis-1,3-Dichloropropene | mg/kg | 0.0506 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |

Table 1 - VOCs

| | | Sample Location/Identification | B7 | B8 | B8 | B9 | B9 | B10 | B10 | B11 | B11 | B12 | B12 |
|-----------------------------------|-------|--------------------------------|------------|------------|----------------|------------|------------|------------|------------|---------------|------------|----------------|------------|
| | | Sample Depth (feet) | 8-10 | 0-3 | 10-13 | 0-3 | 10-13 | 0-3 | 3-4 | 0-3 | 5-8 | 0-3 | 3-5 |
| | | Date Collected | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/19/2023 | 12/19/2023 |
| Compound | Units | Default Target Level | | | | | | | | | | | |
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Dibromomethane | mg/kg | None | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Dichlorodifluoromethane | mg/kg | 1.49 | <0.00543 | <0.00660 | <0.00699 | <0.00525 | <0.00645 | <0.00643 | <0.00670 | <0.00635 | <0.00655 | <0.00668 | <0.00724 |
| Di-isopropyl ether | mg/kg | 4.12 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Ethylbenzene | mg/kg | 39.9 | <0.00109 | <0.00132 | 0.00149 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | 0.0125 | <0.00131 | 0.00139 | <0.00145 |
| Hexachloro-1,3-butadiene | mg/kg | 16 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Isopropylbenzene | mg/kg | 10.5 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Methyl tert-butyl ether | mg/kg | 0.398 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Methylene Chloride | mg/kg | 0.0176 | <0.00543 | <0.00660 | <0.00699 | <0.00525 | <0.00645 | <0.00643 | <0.00670 | <0.00635 | <0.00655 | <0.00668 | <0.00724 |
| Naphthalene | mg/kg | 0.325 | <0.00543 | <0.00660 | <0.00699 | <0.00525 | <0.00645 | <0.00643 | <0.00670 | <0.00635 | <0.00655 | <0.00668 | <0.00724 |
| n-Butylbenzene | mg/kg | 41.6 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| n-Propylbenzene | mg/kg | 13 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| p-Isopropyltoluene | mg/kg | 271 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| sec-Butylbenzene | mg/kg | 35.2 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Styrene | mg/kg | 11.7 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| tert-Butylbenzene | mg/kg | 34.1 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Tetrachloroethene | mg/kg | 0.141 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Toluene | mg/kg | 29.8 | <0.00543 | <0.00660 | <0.00699 | <0.00525 | <0.00645 | <0.00643 | <0.00670 | <0.00635 | <0.00655 | <0.00668 | <0.00724 |
| trans-1,2-Dichloroethene | mg/kg | 1.1 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| trans-1,3-Dichloropropene | mg/kg | 0.0506 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Trichloroethene | mg/kg | 0.141 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Trichlorofluoromethane | mg/kg | 7.35 | <0.00543 | <0.00660 | <0.00699 | <0.00525 | <0.00645 | <0.00643 | <0.00670 | <0.00635 | <0.00655 | <0.00668 | <0.00724 |
| Vinyl chloride | mg/kg | 0.0192 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 | <0.00134 | <0.00145 |
| Xylenes, Total | mg/kg | 24.7 | <0.00326 | <0.00396 | 0.00753 | <0.00315 | <0.00387 | <0.00386 | <0.00402 | 0.0656 | <0.00393 | 0.00771 | <0.00434 |
| GRO | mg/kg | 385 | <0.543 | <0.660 | <0.699 | <0.525 | <0.645 | <0.643 | <0.670 | <0.635 | <0.655 | <0.668 | <0.724 |

Table 1 - VOCs

| | | Sample Location/Identification | B13 | B13 | B14 | B14 | B15 | B15 | B16 | B16 |
|---------------------------------------|-------|--------------------------------|--------------|------------|--------------|----------------|------------|------------|--------------|------------|
| | | Sample Depth (feet) | 0-3 | 5-8.5 | 0-3 | 10-13 | 3-5 | 10-12 | 0-5 | 13-15 |
| | | Date Collected | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 |
| Compound | Units | Default Target Level | | | | | | | | |
| Volatile Organic Compounds | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | mg/kg | 0.0715 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,1,1-Trichloroethane | mg/kg | 4.24 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,1,2,2-Tetrachloroethane | mg/kg | 0.0105 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | mg/kg | 641 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,1,2-Trichloroethane | mg/kg | 0.0448 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,1-Dichloroethane | mg/kg | 0.18 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,1-Dichloroethene | mg/kg | 0.108 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,1-Dichloropropene | mg/kg | None | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,2,3-Trichlorobenzene | mg/kg | None | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,2,3-Trichloropropane | mg/kg | 0.00623 | <0.00317 | <0.00338 | <0.00321 | <0.00335 | <0.00313 | <0.00318 | <0.00487 | <0.00318 |
| 1,2,3-Trimethylbenzene | mg/kg | None | <0.00127 | <0.00135 | <0.00128 | 0.00176 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,2,4-Trichlorobenzene | mg/kg | 18.7 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,2,4-Trimethylbenzene | mg/kg | 3.93 | <0.00127 | <0.00135 | <0.00128 | 0.0118 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,2-Dibromo-3-Chloropropane | mg/kg | 0.0011 | <0.00635 | <0.00677 | <0.00642 | <0.00671 | <0.00625 | <0.00637 | <0.00973 | <0.00637 |
| 1,2-Dibromoethane | mg/kg | 0.000473 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,2-Dichlorobenzene | mg/kg | 56.1 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,2-Dichloroethane | mg/kg | 0.0206 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,2-Dichloropropane | mg/kg | 0.042 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,3,5-Trimethylbenzene | mg/kg | 0.882 | <0.00127 | <0.00135 | <0.00128 | 0.00239 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,3-Dichlorobenzene | mg/kg | 8.39 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,3-Dichloropropane | mg/kg | None | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 1,4-Dichlorobenzene | mg/kg | 7.02 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 2,2-Dichloropropane | mg/kg | None | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 2-Butanone (MEK) | mg/kg | 7.3 | <0.0127 | <0.0135 | 0.165 | <0.0134 | <0.0125 | <0.0127 | 0.158 | <0.0127 |
| 2-Chlorotoluene | mg/kg | 3.88 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 4-Chlorotoluene | mg/kg | 0.0235 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| 4-Methyl-2-pentanone (MIBK) | mg/kg | 19.5 | <0.0127 | <0.0135 | <0.0128 | <0.0134 | <0.0125 | <0.0127 | <0.0195 | <0.0127 |
| Acetone | mg/kg | 4.2 | 0.137 | <0.0677 | 1.23 | <0.0671 | <0.0625 | <0.0637 | 1.27 | 0.0809 |
| Acrylonitrile | mg/kg | 0.000692 | <0.0127 | <0.0135 | <0.0128 | <0.0134 | <0.0125 | <0.0127 | <0.0195 | <0.0127 |
| Benzene | mg/kg | 0.0561 | <0.00127 | <0.00135 | <0.00128 | 0.131 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Bromobenzene | mg/kg | None | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Bromodichloromethane | mg/kg | 0.472 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Bromoform | mg/kg | 1.15 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Bromomethane | mg/kg | 0.0185 | <0.00635 | <0.00677 | <0.00642 | <0.00671 | <0.00625 | <0.00637 | <0.00973 | <0.00637 |
| Carbon tetrachloride | mg/kg | 0.0796 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Chlorobenzene | mg/kg | 1.94 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Chlorodibromomethane | mg/kg | 0.87 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Chloroethane | mg/kg | 0.281 | <0.00635 | <0.00677 | <0.00642 | <0.00671 | <0.00625 | <0.00637 | <0.00973 | <0.00637 |
| Chloroform | mg/kg | 0.0766 | <0.00635 | <0.00677 | <0.00642 | <0.00671 | <0.00625 | <0.00637 | <0.00973 | <0.00637 |
| Chloromethane | mg/kg | 0.204 | <0.00317 | <0.00338 | <0.00321 | <0.00335 | <0.00313 | <0.00318 | <0.00487 | <0.00318 |
| cis-1,2-Dichloroethene | mg/kg | 0.521 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| cis-1,3-Dichloropropene | mg/kg | 0.0506 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |

Table 1 - VOCs

| | | Sample Location/Identification | B13 | B13 | B14 | B14 | B15 | B15 | B16 | B16 |
|-----------------------------------|-------|--------------------------------|------------|------------|------------|----------------|------------|------------|------------|------------|
| | | Sample Depth (feet) | 0-3 | 5-8.5 | 0-3 | 10-13 | 3-5 | 10-12 | 0-5 | 13-15 |
| | | Date Collected | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 |
| Compound | Units | Default Target Level | | | | | | | | |
| Volatile Organic Compounds | | | | | | | | | | |
| Dibromomethane | mg/kg | None | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Dichlorodifluoromethane | mg/kg | 1.49 | <0.00635 | <0.00677 | <0.00642 | <0.00671 | <0.00625 | <0.00637 | <0.00973 | <0.00637 |
| Di-isopropyl ether | mg/kg | 4.12 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Ethylbenzene | mg/kg | 39.9 | <0.00127 | <0.00135 | <0.00128 | 0.00342 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Hexachloro-1,3-butadiene | mg/kg | 16 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Isopropylbenzene | mg/kg | 10.5 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Methyl tert-butyl ether | mg/kg | 0.398 | <0.00127 | <0.00135 | <0.00128 | 0.635 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Methylene Chloride | mg/kg | 0.0176 | <0.00635 | <0.00677 | <0.00642 | <0.00671 | <0.00625 | <0.00637 | <0.00973 | <0.00637 |
| Naphthalene | mg/kg | 0.325 | <0.00635 | <0.00677 | <0.00642 | <0.00671 | <0.00625 | <0.00637 | <0.00973 | <0.00637 |
| n-Butylbenzene | mg/kg | 41.6 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| n-Propylbenzene | mg/kg | 13 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| p-Isopropyltoluene | mg/kg | 271 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| sec-Butylbenzene | mg/kg | 35.2 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Styrene | mg/kg | 11.7 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| tert-Butylbenzene | mg/kg | 34.1 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Tetrachloroethene | mg/kg | 0.141 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Toluene | mg/kg | 29.8 | <0.00635 | <0.00677 | <0.00642 | <0.00671 | <0.00625 | <0.00637 | <0.00973 | <0.00637 |
| trans-1,2-Dichloroethene | mg/kg | 1.1 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| trans-1,3-Dichloropropene | mg/kg | 0.0506 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Trichloroethene | mg/kg | 0.141 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Trichlorofluoromethane | mg/kg | 7.35 | <0.00635 | <0.00677 | <0.00642 | <0.00671 | <0.00625 | <0.00637 | <0.00973 | <0.00637 |
| Vinyl chloride | mg/kg | 0.0192 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Xylenes, Total | mg/kg | 24.7 | <0.00381 | <0.00406 | <0.00385 | 0.0128 | <0.00375 | <0.00382 | 0.00674 | <0.00382 |
| GRO | mg/kg | 385 | <0.635 | <0.677 | <0.642 | 1.23 | <0.625 | <0.637 | <0.973 | <0.637 |

Table 2 - SVOCs

| | | Sample Location/Identification | B1 | B1 | B2 | B2 | B3 | B3 | B4 | B4 | B6 | B6 |
|--|-------|--------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------|------------|
| | | Sample Depth (feet) | 0-3 | 5-8 | 0-3 | 17-19 | 0-3 | 5-6 | 0-3 | 10-13 | 0-3 | 13-15 |
| | | Date Collected | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 |
| Compound | Units | Default Target Level | | | | | | | | | | |
| Semi-Volatile Organic Compounds | | | | | | | | | | | | |
| ORO | mg/kg | 124000 | <12.3 | <11.4 | <12.2 | <13.7 | <11.6 | <12.7 | <11.8 | <13.4 | 23.4 | <13.1 |
| DRO | mg/kg | 4150 | <12.3 | <11.4 | <12.2 | <13.7 | <11.6 | <12.7 | <11.8 | <13.4 | <11.3 | <13.1 |
| 1,2,4-Trichlorobenzene | mg/kg | 18.7 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 |
| Acenaphthene | mg/kg | 174 | <0.0405 | <0.0376 | <0.0401 | <0.0453 | <0.0384 | <0.0417 | <0.0391 | <0.0442 | 0.102 | <0.0434 |
| Acenaphthylene | mg/kg | 175 | <0.0405 | <0.0376 | <0.0401 | <0.0453 | <0.0384 | <0.0417 | <0.0391 | <0.0442 | <0.0373 | <0.0434 |
| Anthracene | mg/kg | 3060 | <0.0405 | <0.0376 | <0.0401 | <0.0453 | <0.0384 | <0.0417 | <0.0391 | <0.0442 | 0.182 | <0.0434 |
| Benzo(a)anthracene | mg/kg | 6.12 | <0.0405 | <0.0376 | <0.0401 | <0.0453 | <0.0384 | <0.0417 | <0.0391 | <0.0442 | 0.391 | <0.0434 |
| Benzo(a)pyrene | mg/kg | 0.62 | <0.0405 | <0.0376 | <0.0401 | <0.0453 | <0.0384 | <0.0417 | <0.0391 | <0.0442 | 0.344 | <0.0434 |
| Benzo(b)fluoranthene | mg/kg | 6.19 | <0.0405 | <0.0376 | <0.0401 | <0.0453 | <0.0384 | <0.0417 | <0.0391 | <0.0442 | 0.428 | <0.0434 |
| Benzo(g,h,i)perylene | mg/kg | 1720 | <0.0405 | <0.0376 | <0.0401 | <0.0453 | <0.0384 | <0.0417 | <0.0391 | <0.0442 | 0.167 | <0.0434 |
| Benzo(k)fluoranthene | mg/kg | 62 | <0.0405 | <0.0376 | <0.0401 | <0.0453 | <0.0384 | <0.0417 | <0.0391 | <0.0442 | 0.163 | <0.0434 |
| Chrysene | mg/kg | 599 | <0.0405 | <0.0376 | <0.0401 | <0.0453 | <0.0384 | <0.0417 | <0.0391 | <0.0442 | 0.418 | <0.0434 |
| Dibenz(a,h)anthracene | mg/kg | 0.62 | <0.0405 | <0.0376 | <0.0401 | <0.0453 | <0.0384 | <0.0417 | <0.0391 | <0.0442 | 0.0555 | <0.0434 |
| Fluoranthene | mg/kg | 2280 | <0.0405 | <0.0376 | <0.0401 | <0.0453 | <0.0384 | <0.0417 | <0.0391 | <0.0442 | 0.953 | <0.0434 |
| Fluorene | mg/kg | 211 | <0.0405 | <0.0376 | <0.0401 | <0.0453 | <0.0384 | <0.0417 | <0.0391 | <0.0442 | 0.101 | <0.0434 |
| Hexachloro-1,3-butadiene | mg/kg | 16 | <0.00135 | <0.00128 | <0.00122 | <0.00137 | <0.00116 | <0.00127 | <0.00118 | <0.00134 | <0.00113 | <0.00131 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 3.77 | <0.0405 | <0.0376 | <0.0401 | <0.0453 | <0.0384 | <0.0417 | <0.0391 | <0.0442 | 0.207 | <0.0434 |
| Naphthalene | mg/kg | 0.325 | <0.00675 | <0.00638 | <0.00608 | <0.00686 | <0.00582 | <0.00633 | <0.00592 | <0.00670 | <0.00564 | <0.00657 |
| Phenanthrene | mg/kg | 158 | <0.0405 | <0.0376 | <0.0401 | <0.0453 | <0.0384 | <0.0417 | <0.0391 | <0.0442 | 0.795 | <0.0434 |
| Pyrene | mg/kg | 1500 | <0.0405 | <0.0376 | <0.0401 | <0.0453 | <0.0384 | <0.0417 | <0.0391 | <0.0442 | 0.721 | <0.0434 |

Table 2 - SVOCs

| | | Sample Location/Identification | B7 | B7 | B8 | B8 | B9 | B9 | B10 | B10 | B11 | B11 |
|--|-------|--------------------------------|------------|------------|--------------|------------|------------|------------|------------|------------|------------|------------|
| | | Sample Depth (feet) | 0-3 | 8-10 | 0-3 | 10-13 | 0-3 | 10-13 | 0-3 | 3-4 | 0-3 | 5-8 |
| | | Date Collected | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 |
| Compound | Units | Default Target Level | | | | | | | | | | |
| Semi-Volatile Organic Compounds | | | | | | | | | | | | |
| ORO | mg/kg | 124000 | <12.2 | <10.8 | 41.8 | <13.3 | <10.5 | <12.9 | <12.9 | <13.4 | <12.1 | <13.1 |
| DRO | mg/kg | 4150 | <12.2 | <10.8 | 19.6 | <13.3 | <10.5 | <12.9 | <12.9 | <13.4 | <12.1 | <13.1 |
| 1,2,4-Trichlorobenzene | mg/kg | 18.7 | <0.00147 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 |
| Acenaphthene | mg/kg | 174 | <0.0404 | <0.0355 | 0.442 | <0.0439 | <0.0347 | <0.0426 | <0.0424 | <0.0443 | <0.0399 | <0.0432 |
| Acenaphthylene | mg/kg | 175 | <0.0404 | <0.0355 | <0.0379 | <0.0439 | <0.0347 | <0.0426 | <0.0424 | <0.0443 | <0.0399 | <0.0432 |
| Anthracene | mg/kg | 3060 | <0.0404 | <0.0355 | 1.01 | <0.0439 | <0.0347 | <0.0426 | <0.0424 | <0.0443 | <0.0399 | <0.0432 |
| Benzo(a)anthracene | mg/kg | 6.12 | <0.0404 | <0.0355 | 2.05 | <0.0439 | <0.0347 | <0.0426 | <0.0424 | <0.0443 | <0.0399 | <0.0432 |
| Benzo(a)pyrene | mg/kg | 0.62 | <0.0404 | <0.0355 | 1.7 | <0.0439 | <0.0347 | <0.0426 | <0.0424 | <0.0443 | <0.0399 | <0.0432 |
| Benzo(b)fluoranthene | mg/kg | 6.19 | <0.0404 | <0.0355 | 1.99 | <0.0439 | <0.0347 | <0.0426 | <0.0424 | <0.0443 | <0.0399 | <0.0432 |
| Benzo(g,h,i)perylene | mg/kg | 1720 | <0.0404 | <0.0355 | 0.6 | <0.0439 | <0.0347 | <0.0426 | <0.0424 | <0.0443 | <0.0399 | <0.0432 |
| Benzo(k)fluoranthene | mg/kg | 62 | <0.0404 | <0.0355 | 0.777 | <0.0439 | <0.0347 | <0.0426 | <0.0424 | <0.0443 | <0.0399 | <0.0432 |
| Chrysene | mg/kg | 599 | <0.0404 | <0.0355 | 1.95 | <0.0439 | <0.0347 | <0.0426 | <0.0424 | <0.0443 | <0.0399 | <0.0432 |
| Dibenz(a,h)anthracene | mg/kg | 0.62 | <0.0404 | <0.0355 | 0.18 | <0.0439 | <0.0347 | <0.0426 | <0.0424 | <0.0443 | <0.0399 | <0.0432 |
| Fluoranthene | mg/kg | 2280 | <0.0404 | <0.0355 | 4.17 | <0.0439 | <0.0347 | <0.0426 | <0.0424 | <0.0443 | <0.0399 | <0.0432 |
| Fluorene | mg/kg | 211 | <0.0404 | <0.0355 | 0.493 | <0.0439 | <0.0347 | <0.0426 | <0.0424 | <0.0443 | <0.0399 | <0.0432 |
| Hexachloro-1,3-butadiene | mg/kg | 16 | <0.00147 | <0.00109 | <0.00132 | <0.00140 | <0.00105 | <0.00129 | <0.00129 | <0.00134 | <0.00127 | <0.00131 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 3.77 | <0.0404 | <0.0355 | 0.866 | <0.0439 | <0.0347 | <0.0426 | <0.0424 | <0.0443 | <0.0399 | <0.0432 |
| Naphthalene | mg/kg | 0.325 | <0.00735 | <0.00543 | <0.00660 | <0.00699 | <0.00525 | <0.00645 | <0.00643 | <0.00670 | <0.00635 | <0.00655 |
| Phenanthrene | mg/kg | 158 | <0.0404 | <0.0355 | 4.31 | <0.0439 | <0.0347 | <0.0426 | <0.0424 | <0.0443 | <0.0399 | <0.0432 |
| Pyrene | mg/kg | 1500 | <0.0404 | <0.0355 | 4 | <0.0439 | <0.0347 | <0.0426 | <0.0424 | <0.0443 | <0.0399 | <0.0432 |

Table 2 - SVOCs

| | | Sample Location/Identification | B12 | B12 | B13 | B13 | B14 | B14 | B15 | B15 | B16 | B16 |
|--|-------|--------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Sample Depth (feet) | 0-3 | 3-5 | 0-3 | 5-8.5 | 0-3 | 10-13 | 3-5 | 10-12 | 0-5 | 13-15 |
| | | Date Collected | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 |
| Compound | Units | Default Target Level | | | | | | | | | | |
| Semi-Volatile Organic Compounds | | | | | | | | | | | | |
| ORO | mg/kg | 124000 | <11.3 | <12.1 | <12.7 | <13.0 | <10.7 | <13.4 | <12.5 | <12.7 | <11.1 | <12.7 |
| DRO | mg/kg | 4150 | <11.3 | <12.1 | <12.7 | <13.0 | <10.7 | <13.4 | <12.5 | <12.7 | <11.1 | <12.7 |
| 1,2,4-Trichlorobenzene | mg/kg | 18.7 | <0.00134 | <0.00145 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Acenaphthene | mg/kg | 174 | <0.0374 | <0.0398 | <0.0419 | <0.0430 | <0.0353 | <0.0443 | <0.0413 | <0.0420 | <0.0367 | <0.0420 |
| Acenaphthylene | mg/kg | 175 | <0.0374 | <0.0398 | <0.0419 | <0.0430 | <0.0353 | <0.0443 | <0.0413 | <0.0420 | <0.0367 | <0.0420 |
| Anthracene | mg/kg | 3060 | <0.0374 | <0.0398 | <0.0419 | <0.0430 | <0.0353 | <0.0443 | <0.0413 | <0.0420 | <0.0367 | <0.0420 |
| Benzo(a)anthracene | mg/kg | 6.12 | <0.0374 | <0.0398 | <0.0419 | <0.0430 | <0.0353 | <0.0443 | <0.0413 | <0.0420 | <0.0367 | <0.0420 |
| Benzo(a)pyrene | mg/kg | 0.62 | <0.0374 | <0.0398 | <0.0419 | <0.0430 | <0.0353 | <0.0443 | <0.0413 | <0.0420 | <0.0367 | <0.0420 |
| Benzo(b)fluoranthene | mg/kg | 6.19 | <0.0374 | <0.0398 | <0.0419 | <0.0430 | <0.0353 | <0.0443 | <0.0413 | <0.0420 | <0.0367 | <0.0420 |
| Benzo(g,h,i)perylene | mg/kg | 1720 | <0.0374 | <0.0398 | <0.0419 | <0.0430 | <0.0353 | <0.0443 | <0.0413 | <0.0420 | <0.0367 | <0.0420 |
| Benzo(k)fluoranthene | mg/kg | 62 | <0.0374 | <0.0398 | <0.0419 | <0.0430 | <0.0353 | <0.0443 | <0.0413 | <0.0420 | <0.0367 | <0.0420 |
| Chrysene | mg/kg | 599 | <0.0374 | <0.0398 | <0.0419 | <0.0430 | <0.0353 | <0.0443 | <0.0413 | <0.0420 | <0.0367 | <0.0420 |
| Dibenz(a,h)anthracene | mg/kg | 0.62 | <0.0374 | <0.0398 | <0.0419 | <0.0430 | <0.0353 | <0.0443 | <0.0413 | <0.0420 | <0.0367 | <0.0420 |
| Fluoranthene | mg/kg | 2280 | <0.0374 | <0.0398 | <0.0419 | <0.0430 | <0.0353 | <0.0443 | <0.0413 | <0.0420 | <0.0367 | <0.0420 |
| Fluorene | mg/kg | 211 | <0.0374 | <0.0398 | <0.0419 | <0.0430 | <0.0353 | <0.0443 | <0.0413 | <0.0420 | <0.0367 | <0.0420 |
| Hexachloro-1,3-butadiene | mg/kg | 16 | <0.00134 | <0.00145 | <0.00127 | <0.00135 | <0.00128 | <0.00134 | <0.00125 | <0.00127 | <0.00195 | <0.00127 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 3.77 | <0.0374 | <0.0398 | <0.0419 | <0.0430 | <0.0353 | <0.0443 | <0.0413 | <0.0420 | <0.0367 | <0.0420 |
| Naphthalene | mg/kg | 0.325 | <0.00668 | <0.00724 | <0.00635 | <0.00677 | <0.00642 | <0.00671 | <0.00625 | <0.00637 | <0.00973 | <0.00637 |
| Phenanthrene | mg/kg | 158 | <0.0374 | <0.0398 | <0.0419 | <0.0430 | <0.0353 | <0.0443 | <0.0413 | <0.0420 | <0.0367 | <0.0420 |
| Pyrene | mg/kg | 1500 | <0.0374 | <0.0398 | <0.0419 | <0.0430 | <0.0353 | <0.0443 | <0.0413 | <0.0420 | <0.0367 | <0.0420 |

Table 3 - Metals

| | | Sample Location/Identification | B1 | B1 | B2 | B2 | B3 | B3 | B4 | B4 | B6 | B6 | B7 |
|---------------|-------|--------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Sample Depth (feet) | 0-3 | 5-8 | 0-3 | 17-19 | 0-3 | 5-6 | 0-3 | 10-13 | 0-3 | 13-15 | 0-3 |
| | | Date Collected | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 |
| Compound | Units | Default Target Level | | | | | | | | | | | |
| Metals | | | | | | | | | | | | | |
| Lead | mg/kg | 3.74 | 12 | 6.61 | 23.6 | 17.8 | 14.7 | 5.73 | 51.9 | 17 | 105 | 16.1 | 15.8 |

Table 3 - Metals

| | | Sample Location/Identification | B7 | B8 | B8 | B9 | B9 | B10 | B10 | B11 | B11 | B12 | B12 |
|---------------|-------|--------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Sample Depth (feet) | 8-10 | 0-3 | 10-13 | 0-3 | 10-13 | 0-3 | 3-4 | 0-3 | 5-8 | 0-3 | 3-5 |
| | | Date Collected | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/18/2023 | 12/19/2023 | 12/19/2023 |
| Compound | Units | Default Target Level | | | | | | | | | | | |
| Metals | | | | | | | | | | | | | |
| Lead | mg/kg | 3.74 | 6.49 | 31 | 28.8 | 19.7 | 14.9 | 27.5 | 21 | 18.6 | 17.9 | 26.6 | 28.4 |

Table 3 - Metals

| | | Sample Location/Identification | B13 | B13 | B14 | B14 | B15 | B15 | B16 | B16 |
|---------------|-------|--------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Sample Depth (feet) | 0-3 | 5-8.5 | 0-3 | 10-13 | 3-5 | 10-12 | 0-5 | 13-15 |
| | | Date Collected | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 | 12/19/2023 |
| Compound | Units | Default Target Level | | | | | | | | |
| Metals | | | | | | | | | | |
| Lead | mg/kg | 3.74 | 15.2 | 18.3 | 20.7 | 11.3 | 17.4 | 13.6 | 6.03 | 21.2 |

Table 2 - Groundwater Analytical Results

| Sample Location/Identification | | | B7 | TRIP BLANK |
|---------------------------------------|-------|----------------------|------------|------------|
| | | Date Collected | 12/28/2023 | 12/28/2023 |
| Compound | Units | Default Target Level | | |
| Volatile Organic Compounds | | | | |
| 1,1,1,2-Tetrachloroethane | mg/L | 0.00527 | <0.00100 | <0.00100 |
| 1,1,1-Trichloroethane | mg/L | 0.2 | <0.00100 | <0.00100 |
| 1,1,2,2-Tetrachloroethane | mg/L | 0.000689 | <0.00100 | <0.00100 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | mg/L | 33 | <0.00100 | <0.00100 |
| 1,1,2-Trichloroethane | mg/L | 0.005 | <0.00100 | <0.00100 |
| 1,1-Dichloroethane | mg/L | 0.18 | <0.00100 | <0.00100 |
| 1,1-Dichloroethene | mg/L | 0.007 | <0.00100 | <0.00100 |
| 1,1-Dichloropropene | mg/L | None | <0.00100 | <0.00100 |
| 1,2,3-Trichlorobenzene | mg/L | None | <0.00100 | <0.00100 |
| 1,2,3-Trichloropropane | mg/L | 0.0000693 | <0.00250 | <0.00250 |
| 1,2,3-Trimethylbenzene | mg/L | None | <0.00100 | <0.00100 |
| 1,2,4-Trichlorobenzene | mg/L | 0.07 | <0.00100 | <0.00100 |
| 1,2,4-Trimethylbenzene | mg/L | 0.00706 | <0.00100 | <0.00100 |
| 1,2-Dibromo-3-Chloropropane | mg/L | 0.0002 | <0.00500 | <0.00500 |
| 1,2-Dibromoethane | mg/L | 0.00005 | <0.00100 | <0.00100 |
| 1,2-Dichlorobenzene | mg/L | 0.6 | <0.00100 | <0.00100 |
| 1,2-Dichloroethane | mg/L | 0.005 | <0.00100 | <0.00100 |
| 1,2-Dichloropropane | mg/L | 0.005 | <0.00100 | <0.00100 |
| 1,3,5-Trimethylbenzene | mg/L | 0.00705 | <0.00100 | <0.00100 |
| 1,3-Dichlorobenzene | mg/L | 0.0893 | <0.00100 | <0.00100 |
| 1,3-Dichloropropane | mg/L | None | <0.00100 | <0.00100 |
| 1,4-Dichlorobenzene | mg/L | 0.075 | <0.00100 | <0.00100 |
| 2,2-Dichloropropane | mg/L | None | <0.00100 | <0.00100 |
| 2-Butanone (MEK) | mg/L | 3.64 | <0.0100 | <0.0100 |
| 2-Chlorotoluene | mg/L | 0.0619 | <0.00100 | <0.00100 |
| 4-Chlorotoluene | mg/L | 0.00031 | <0.00100 | <0.00100 |
| 4-Methyl-2-pentanone (MIBK) | mg/L | 0.915 | <0.0100 | <0.0100 |
| Acetone | mg/L | 2.97 | <0.0500 | <0.0500 |
| Acrylonitrile | mg/L | 0.000468 | <0.0100 | <0.0100 |
| Benzene | mg/L | 0.005 | <0.00100 | <0.00100 |
| Bromobenzene | mg/L | None | <0.00100 | <0.00100 |
| Bromodichloromethane | mg/L | 0.08 | <0.00100 | <0.00100 |
| Bromoform | mg/L | 0.08 | <0.00100 | <0.00100 |
| Bromomethane | mg/L | 0.00467 | <0.00500 | <0.00500 |
| Carbon tetrachloride | mg/L | 0.005 | <0.00100 | <0.00100 |
| Chlorobenzene | mg/L | 0.0558 | <0.00100 | <0.00100 |
| Chlorodibromomethane | mg/L | 0.08 | <0.00100 | <0.00100 |
| Chloroethane | mg/L | 0.0485 | <0.00500 | <0.00500 |
| Chloroform | mg/L | 0.08 | <0.00500 | <0.00500 |
| Chloromethane | mg/L | 0.0183 | <0.00250 | <0.00250 |
| cis-1,2-Dichloroethene | mg/L | 0.07 | <0.00100 | <0.00100 |
| cis-1,3-Dichloropropene | mg/L | 0.00431 | <0.00100 | <0.00100 |
| Dibromomethane | mg/L | None | <0.00100 | <0.00100 |
| Dichlorodifluoromethane | mg/L | 0.22 | <0.00500 | <0.00500 |
| Di-isopropyl ether | mg/L | 0.351 | <0.00100 | <0.00100 |
| Ethylbenzene | mg/L | 0.7 | <0.00100 | <0.00100 |
| Hexachloro-1,3-butadiene | mg/L | 0.002 | <0.00100 | <0.00100 |
| Isopropylbenzene | mg/L | 0.33 | <0.00100 | <0.00100 |
| Methyl tert-butyl ether | mg/L | 0.128 | <0.00100 | <0.00100 |
| Methylene Chloride | mg/L | 0.005 | <0.00500 | <0.00500 |
| Naphthalene | mg/L | 0.00109 | <0.00500 | <0.00500 |
| n-Butylbenzene | mg/L | 0.0989 | <0.00100 | <0.00100 |
| n-Propylbenzene | mg/L | 0.115 | <0.00100 | <0.00100 |
| p-Isopropyltoluene | mg/L | 0.786 | <0.00100 | <0.00100 |
| sec-Butylbenzene | mg/L | 0.106 | <0.00100 | <0.00100 |

Table 2 - Groundwater Analytical Results

| Sample Location/Identification | | | B7 | TRIP BLANK |
|--------------------------------|-------|----------------------|------------|------------|
| | | Date Collected | 12/28/2023 | 12/28/2023 |
| Compound | Units | Default Target Level | | |
| Styrene | mg/L | 0.1 | <0.00100 | <0.00100 |
| tert-Butylbenzene | mg/L | 0.103 | <0.00100 | <0.00100 |
| Tetrachloroethene | mg/L | 0.005 | <0.00100 | <0.00100 |
| Toluene | mg/L | 1 | <0.00100 | <0.00100 |
| trans-1,2-Dichloroethene | mg/L | 0.1 | <0.00100 | <0.00100 |
| trans-1,3-Dichloropropene | mg/L | 0.00431 | <0.00100 | <0.00100 |
| Trichloroethene | mg/L | 0.005 | <0.00100 | <0.00100 |
| Trichlorofluoromethane | mg/L | 0.698 | <0.00500 | <0.00500 |
| Vinyl chloride | mg/L | 0.002 | <0.00100 | <0.00100 |
| Xylenes, Total | mg/L | 10 | <0.00300 | <0.00300 |
| GRO | mg/L | 18.1 | <0.500 | <0.500 |
| | | | | |
| DRO | mg/L | 34.3 | <1.00 | -- |
| ORO | mg/L | 31.8 | <1.00 | -- |
| 1,2,4-Trichlorobenzene | mg/L | 0.07 | <0.00100 | <0.00100 |
| Acenaphthene | mg/L | 0.165 | <0.00100 | -- |
| Acenaphthylene | mg/L | 0.17 | <0.00100 | -- |
| Anthracene | mg/L | 0.696 | <0.00100 | -- |
| Benzo(a)anthracene | mg/L | 0.00013 | <0.00100 | -- |
| Benzo(a)pyrene | mg/L | 0.0000102 | <0.00100 | -- |
| Benzo(b)fluoranthene | mg/L | 0.0000627 | <0.00100 | -- |
| Benzo(g,h,i)perylene | mg/L | 0.0264 | <0.00100 | -- |
| Benzo(k)fluoranthene | mg/L | 0.000646 | <0.00100 | -- |
| Chrysene | mg/L | 0.0103 | <0.00100 | -- |
| Dibenz(a,h)anthracene | mg/L | 0.00000421 | <0.00100 | -- |
| Fluoranthene | mg/L | 0.164 | <0.00100 | -- |
| Fluorene | mg/L | 0.103 | <0.00100 | -- |
| Hexachloro-1,3-butadiene | mg/L | 0.002 | <0.00100 | <0.00100 |
| Indeno(1,2,3-cd)pyrene | mg/L | 0.0000382 | <0.00100 | -- |
| Naphthalene | mg/L | 0.00109 | <0.00500 | <0.00500 |
| Phenanthrene | mg/L | 0.075 | <0.00100 | -- |
| Pyrene | mg/L | 0.0961 | <0.00100 | -- |
| Metals | | | | |
| Lead, Dissolved | mg/L | 0.015 | <0.00600 | -- |

APPENDIX C – SOIL BORING LOGS

GENERAL NOTES

DESCRIPTION OF SYMBOLS AND ABBREVIATIONS

| | | | | | | | | |
|---|---|---|--------------------|---|--|--------------------|--|--|
| SAMPLING |  |  | WATER LEVEL |  | Water Initially Encountered | FIELD TESTS | (HP) Hand Penetrometer | |
| | Auger | Split Spoon | |  | Water Level After a Specified Period of Time | | (T) Torvane | |
| |  |  | |  | Water Level After a Specified Period of Time | | (b/f) Standard Penetration Test (blows per foot) | |
| | Shelby Tube | Macro Core | | Water levels indicated on the soil boring logs are the levels measured in the borehole at the times indicated. Groundwater level variations will occur over time. In low permeability soils, accurate determination of groundwater levels is not possible with short term water level observations. | | | (PID) Photo-Ionization Detector | |
| |  |  | | | | | (OVA) Organic Vapor Analyzer | |
| Ring Sampler | Rock Core | | | | | | | |
|  |  | | | | | | | |
| Grab Sample | No Recovery | | | | | | | |

DESCRIPTIVE SOIL CLASSIFICATION

Soil classification is based on the Unified Soil Classification System. Coarse Grained Soils have more than 50% of their dry weight retained on a #200 sieve; their principal descriptors are: boulders, cobbles, gravel or sand. Fine Grained Soils have less than 50% of their dry weight retained on a #200 sieve; they are principally described as clays if they are plastic, and silts if they are slightly plastic or non-plastic. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size. In addition to gradation, coarse-grained soils are defined on the basis of their in-place relative density and fine-grained soils on the basis of their consistency.

LOCATION AND ELEVATION NOTES

Unless otherwise noted, Latitude and Longitude are approximately determined using a hand-held GPS device. The accuracy of such devices is variable. Surface elevation data annotated with +/- indicates that no actual topographical survey was conducted to confirm the surface elevation. Instead, the surface elevation was approximately determined from topographic maps of the area.

| STRENGTH TERMS | RELATIVE DENSITY OF COARSE-GRAINED SOILS (More than 50% retained on No. 200 sieve.) Density determined by Standard Penetration Resistance Includes gravels, sands and silts. | | | CONSISTENCY OF FINE-GRAINED SOILS (50% or more passing the No. 200 sieve.) Consistency determined by laboratory shear strength testing, field visual-manual procedures or standard penetration resistance | | |
|-----------------------|--|---|------------------------|--|--|---|
| | Descriptive Term (Density) | Standard Penetration or N-Value Blows/Ft. | Ring Sampler Blows/Ft. | Descriptive Term (Consistency) | Unconfined Compressive Strength, Qu, psf | Standard Penetration or N-Value Blows/Ft. |
| Very Loose | 0 - 3 | 0 - 6 | Very Soft | less than 500 | 0 - 1 | < 3 |
| Loose | 4 - 9 | 7 - 18 | Soft | 500 to 1,000 | 2 - 4 | 3 - 4 |
| Medium Dense | 10 - 29 | 19 - 58 | Medium-Stiff | 1,000 to 2,000 | 4 - 8 | 5 - 9 |
| Dense | 30 - 50 | 59 - 98 | Stiff | 2,000 to 4,000 | 8 - 15 | 10 - 18 |
| Very Dense | > 50 | ≥ 99 | Very Stiff | 4,000 to 8,000 | 15 - 30 | 19 - 42 |
| | | | Hard | > 8,000 | > 30 | > 42 |

RELATIVE PROPORTIONS OF SAND AND GRAVEL

| <u>Descriptive Term(s) of other constituents</u> | <u>Percent of Dry Weight</u> |
|--|------------------------------|
| Trace | < 15 |
| With | 15 - 29 |
| Modifier | > 30 |

GRAIN SIZE TERMINOLOGY

| <u>Major Component of Sample</u> | <u>Particle Size</u> |
|----------------------------------|--------------------------------------|
| Boulders | Over 12 in. (300 mm) |
| Cobbles | 12 in. to 3 in. (300mm to 75mm) |
| Gravel | 3 in. to #4 sieve (75mm to 4.75 mm) |
| Sand | #4 to #200 sieve (4.75mm to 0.075mm) |
| Silt or Clay | Passing #200 sieve (0.075mm) |

RELATIVE PROPORTIONS OF FINES

| <u>Descriptive Term(s) of other constituents</u> | <u>Percent of Dry Weight</u> |
|--|------------------------------|
| Trace | < 5 |
| With | 5 - 12 |
| Modifier | > 12 |

PLASTICITY DESCRIPTION

| <u>Term</u> | <u>Plasticity Index</u> |
|-------------|-------------------------|
| Non-plastic | 0 |
| Low | 1 - 10 |
| Medium | 11 - 30 |
| High | > 30 |

UNIFIED SOIL CLASSIFICATION SYSTEM

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests^A

| | | | Soil Classification | | | |
|---|---|---|---|--------------------------------------|-----------------------------------|---------------------------------|
| | | | Group Symbol | Group Name ^B | | |
| Coarse Grained Soils More than 50% retained on No. 200 sieve | Gravels More than 50% of coarse fraction retained on No. 4 sieve | Clean Gravels Less than 5% fines ^C | $Cu \geq 4$ and $1 \leq Cc \leq 3^E$ | GW | Well-graded gravel ^F | |
| | | | $Cu < 4$ and/or $1 > Cc > 3^E$ | GP | Poorly graded gravel ^F | |
| | Sands 50% or more of coarse fraction passes No. 4 sieve | Gravels with Fines More than 12% fines ^C | Clean Sands Less than 5% fines ^D | $Cu \geq 6$ and $1 \leq Cc \leq 3^E$ | SW | Well-graded sand ^I |
| | | | | $Cu < 6$ and/or $1 > Cc > 3^E$ | SP | Poorly graded sand ^I |
| | | Sands with Fines More than 12% fines ^D | Fines classify as ML or MH | | GM | Silty gravel ^{F,G,H} |
| | | | Fines classify as CL or CH | | GC | Clayey gravel ^{F,G,H} |
| | | Fines Classify as CL or CH | | SC | Clayey sand ^{G,H,I} | |
| Fine-Grained Soils 50% or more passes the No. 200 sieve | Silts and Clays Liquid limit less than 50 | inorganic | $PI > 7$ and plots on or above "A" line ^J | CL | Lean clay ^{K,L,M} | |
| | | | $PI < 4$ or plots below "A" line ^J | ML | Silt ^{K,L,M} | |
| | | organic | $\frac{\text{Liquid limit - oven dried}}{\text{Liquid limit - not dried}} < 0.75$ | OL | Organic clay ^{K,L,M,N} | |
| | | | $\frac{\text{Liquid limit - oven dried}}{\text{Liquid limit - not dried}} < 0.75$ | OH | Organic silt ^{K,L,M,O} | |
| | Silts and Clays Liquid limit 50 or more | inorganic | PI plots on or above "A" line | CH | Fat clay ^{K,L,M} | |
| | | | PI plots below "A" line | MH | Elastic Silt ^{K,L,M} | |
| | | organic | $\frac{\text{Liquid limit - oven dried}}{\text{Liquid limit - not dried}} < 0.75$ | OH | Organic clay ^{K,L,M,P} | |
| | | | $\frac{\text{Liquid limit - oven dried}}{\text{Liquid limit - not dried}} < 0.75$ | OH | Organic silt ^{K,L,M,O} | |
| Highly organic soils | Primarily organic matter, dark in color, and organic odor | | PT | Peat | | |

^ABased on the material passing the 3-in. (75-mm) sieve

^BIf field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

^CGravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

^DSands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay

$$^E Cu = D_{60}/D_{10} \quad Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$$

^FIf soil contains $\geq 15\%$ sand, add "with sand" to group name.

^GIf fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

^HIf fines are organic, add "with organic fines" to group name.

^IIf soil contains $\geq 15\%$ gravel, add "with gravel" to group name.

^JIf Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

^KIf soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

^LIf soil contains $\geq 30\%$ plus No. 200 predominantly sand, add "sandy" to group name.

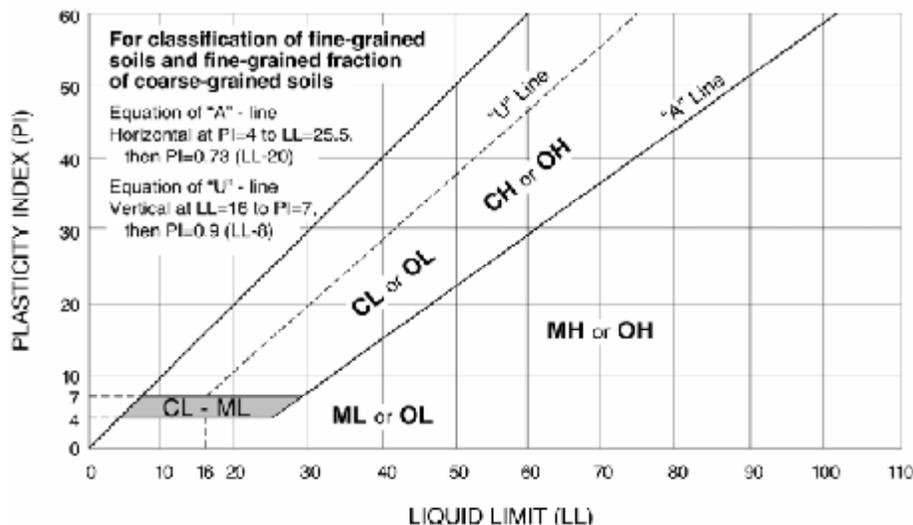
^MIf soil contains $\geq 30\%$ plus No. 200, predominantly gravel, add "gravelly" to group name.

^N $PI \geq 4$ and plots on or above "A" line.

^O $PI < 4$ or plots below "A" line.

^P PI plots on or above "A" line.

^Q PI plots below "A" line.



BORING LOG NO. B1

PROJECT: Former General Services Building (GSB)

CLIENT: Missouri S&T

SITE:

Rolla, MO

| GRAPHIC LOG | LOCATION See Exhibit A-2 | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | PENETRATION | RECOVERY (in.) | OVA/PID (ppm) | SAMPLE SENT TO LAB (ID NUMBER) |
|-------------|--------------------------------------|------------|--------------------------|-------------|-------------|----------------|---------------|--------------------------------|
| | DEPTH MATERIAL DESCRIPTION | | | | | | | |
| | GRAVELLY SILTY CLAY , brown | 1.5 | | | | 15 | 0.0 | B1 |
| | FAT CLAY WITH GRAVEL , black | 3.0 | | | | 24 | 0.0 | |
| | CLAYEY GRAVEL WITH SAND , tan | 5.0 | 5 | | | 36 | 0.0 | |
| | SANDSTONE , tan | 8.0 | | | | 15 | 0.0 | |
| | Refusal at 9.5 Feet | | | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

| | | | |
|--|--|----------------------------|------------------------------|
| Advancement Method: DPT | | Notes: | |
| Abandonment Method: Boring backfilled with bentonite upon completion. | | | |
| WATER LEVEL OBSERVATIONS | <p>11600 Lilburn Park Rd Saint Louis, MO</p> | Boring Started: 12-18-2023 | Boring Completed: 12-18-2023 |
| <i>Groundwater not observed 10 days after completion</i> | | Drill Rig: DR009 | Driller: IPES |
| | | Project No.: 15237437 | Exhibit: B-1 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG GINT BASE.GPJ TERRACON_DATATEMPLATE.GDT 1/18/24

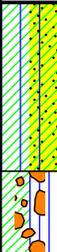
BORING LOG NO. B10

PROJECT: Former General Services Building (GSB)

CLIENT: Missouri S&T

SITE:

Rolla, MO

| GRAPHIC LOG | LOCATION See Exhibit A-2 | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | PENETRATION | RECOVERY (in.) | OVA/PID (ppm) | SAMPLE SENT TO LAB (ID NUMBER) |
|---|---|---------------------|--------------------------|-------------|-------------|---------------------|-----------------------|--------------------------------|
| | DEPTH MATERIAL DESCRIPTION | | | | | | | |
|  | <p>SILTY CLAY WITH SAND, brownish red</p> <p>3.0</p> <p>SILTY CLAY WITH GRAVEL, brownish red</p> <p>4.5</p> <p>Refusal at 4.5 Feet</p> | <p>12</p> <p>12</p> | | | | <p>12</p> <p>12</p> | <p>0.5</p> <p>0.4</p> | <p>B10</p> |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
DPT

Abandonment Method:
Boring backfilled with bentonite upon completion.

WATER LEVEL OBSERVATIONS

Groundwater not observed 10 days after completion

Notes:



Boring Started: 12-18-2023

Drill Rig: DR009

Project No.: 15237437

Boring Completed: 12-18-2023

Driller: IPES

Exhibit: B-2

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG GINT BASE.GPJ TERRACON_DATATEMPLATE.GDT 1/18/24

BORING LOG NO. B11

PROJECT: Former General Services Building (GSB)

CLIENT: Missouri S&T

SITE:

Rolla, MO

| GRAPHIC LOG | LOCATION See Exhibit A-2 | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | PENETRATION | RECOVERY (in.) | OVA/PID (ppm) | SAMPLE SENT TO LAB (ID NUMBER) |
|-------------|---|------------|--------------------------|-------------|-------------|----------------|---------------|--------------------------------|
| | DEPTH MATERIAL DESCRIPTION | | | | | | | |
| | 0.0 GRAVELLY LEAN CLAY WITH SAND , red | 5 | | | | 24 | 1.2 | B11 |
| | | 10.0 | | | | 12 | 0.5 | |
| | 10.0 SANDY SILTY CLAY WITH GRAVEL , brown | 10 | | | | 24 | 0.5 | |
| | | 12.0 | | | | 12 | 0.5 | |
| | 12.0 Refusal at 12 Feet | 12 | | | | 12 | 0.4 | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
DPT

Abandonment Method:
Boring backfilled with bentonite upon completion.

WATER LEVEL OBSERVATIONS

Groundwater not observed 10 days after completion

11600 Lilburn Park Rd
Saint Louis, MO

| | |
|----------------------------|------------------------------|
| Notes: | |
| Boring Started: 12-18-2023 | Boring Completed: 12-18-2023 |
| Drill Rig: DR009 | Driller: IPES |
| Project No.: 15237437 | Exhibit: B-3 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG GINT BASE.GPJ TERRACON.DATATEMPLATE.GDT 1/18/24

BORING LOG NO. B12

PROJECT: Former General Services Building (GSB)

CLIENT: Missouri S&T

SITE:

Rolla, MO

| GRAPHIC LOG | LOCATION See Exhibit A-2 | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | PENETRATION | RECOVERY (in.) | OVA/PID (ppm) | SAMPLE SENT TO LAB (ID NUMBER) |
|---|---|------------|--------------------------|-------------|-------------|----------------|---------------|--------------------------------|
| | DEPTH MATERIAL DESCRIPTION | | | | | | | |
|  | GRAVELLY SILTY CLAY , brown | 3.0 | | | | 12 | 0.3 | B12 |
|  | GRAVELLY SILTY CLAY , brownish red | 7.0 | | | | 12 | 0.38 | |
|  | SANDSTONE , red | 9.0 | | | | 12 | 0.4 | |
| | Refusal at 9 Feet | | | | | 12 | 0.1 | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

| | | | |
|--|--|----------------------------|------------------------------|
| Advancement Method: DPT | | Notes: | |
| Abandonment Method: Boring backfilled with bentonite upon completion. | | | |
| WATER LEVEL OBSERVATIONS |  <p>11600 Lilburn Park Rd Saint Louis, MO</p> | Boring Started: 12-19-2023 | Boring Completed: 12-19-2023 |
| <i>Groundwater not observed 9 days after completion</i> | | Drill Rig: DR009 | Driller: IPES |
| | | Project No.: 15237437 | Exhibit: B-4 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG GINT BASE.GPJ TERRACON_DATATEMPLATE.GDT 1/18/24

BORING LOG NO. B13

PROJECT: Former General Services Building (GSB)

CLIENT: Missouri S&T

SITE:

Rolla, MO

| GRAPHIC LOG | LOCATION See Exhibit A-2 | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | PENETRATION | RECOVERY (in.) | OVA/PID (ppm) | SAMPLE SENT TO LAB (ID NUMBER) |
|-------------|-------------------------------------|------------|--------------------------|-------------|-------------|----------------|---------------|--------------------------------|
| | DEPTH MATERIAL DESCRIPTION | | | | | | | |
| 3.0 | SANDY SILT , red | 5 | | | | 15 | 0.2 | B13 |
| 8.5 | SANDY SILT WITH GRAVEL , red | | | | | 12 | 0.1 | |
| | Refusal at 8.5 Feet | | | | | 12 | 0.1 | |

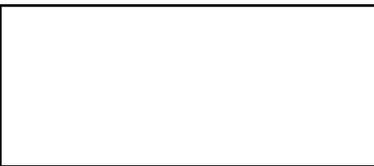
The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
DPT

Abandonment Method:
Boring backfilled with bentonite upon completion.

WATER LEVEL OBSERVATIONS

Groundwater not observed 9 days after completion



11600 Lilburn Park Rd
Saint Louis, MO

Notes:

| | |
|----------------------------|------------------------------|
| Boring Started: 12-19-2023 | Boring Completed: 12-19-2023 |
| Drill Rig: DR009 | Driller: IPES |
| Project No.: 15237437 | Exhibit: B-5 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG GINT BASE.GPJ TERRACON_DATATEMPLATE.GDT 1/18/24

BORING LOG NO. B14

PROJECT: Former General Services Building (GSB)

CLIENT: Missouri S&T

SITE:

Rolla, MO

| GRAPHIC LOG | LOCATION See Exhibit A-2 | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | PENETRATION | RECOVERY (in.) | OVA/PID (ppm) | SAMPLE SENT TO LAB (ID NUMBER) |
|-------------|--|--------------------|--------------------------|-------------|-------------|---|---|--------------------------------|
| | DEPTH MATERIAL DESCRIPTION | | | | | | | |
| | <p>TOPSOIL, brown</p> <p>3.0</p> <p>SANDY LEAN CLAY WITH GRAVEL, brown</p> <p>10.0</p> <p>SANDY LEAN CLAY, brown</p> <p>12.0</p> <p>Refusal at 12 Feet</p> | <p>5</p> <p>10</p> | | | | <p>18</p> <p>18</p> <p>15</p> <p>12</p> <p>12</p> | <p>0.2</p> <p>0.1</p> <p>0.1</p> <p>2.5</p> <p>34.6</p> | <p>B14</p> |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
DPT

Abandonment Method:
Boring backfilled with bentonite upon completion.

WATER LEVEL OBSERVATIONS
Groundwater not observed 9 days after completion

Notes:



Boring Started: 12-19-2023
Boring Completed: 12-19-2023

Drill Rig: DR009
Driller: IPES

Project No.: 15237437
Exhibit: B-6

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG GINT BASE.GPJ TERRACON.DATATEMPLATE.GDT 1/18/24

BORING LOG NO. B15

PROJECT: Former General Services Building (GSB)

CLIENT: Missouri S&T

SITE:

Rolla, MO

| GRAPHIC LOG | LOCATION See Exhibit A-2 | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | PENETRATION | RECOVERY (in.) | OVA/PID (ppm) | SAMPLE SENT TO LAB (ID NUMBER) |
|-------------|----------------------------|--------------|--------------------------|-------------|-------------|----------------|---------------|--------------------------------|
| | DEPTH MATERIAL DESCRIPTION | | | | | | | |
| | brown | | | | | 18 | 0.1 | |
| | 5.0 | brownish red | 5 | | | 15 | 0.5 | |
| | | | | | | 18 | 0.2 | |
| | | | | | | 12 | 0.2 | |
| | | | 10 | | | 12 | 0.1 | |
| | Refusal at 12 Feet | | | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

| | | | |
|--|--|----------------------------|------------------------------|
| Advancement Method: DPT | | Notes: | |
| Abandonment Method: Boring backfilled with bentonite upon completion. | | | |
| WATER LEVEL OBSERVATIONS | <p>11600 Lilburn Park Rd Saint Louis, MO</p> | Boring Started: 12-19-2023 | Boring Completed: 12-19-2023 |
| <i>Groundwater not observed 9 days after completion</i> | | Drill Rig: DR009 | Driller: IPES |
| | | Project No.: 15237437 | Exhibit: B-7 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG GINT BASE.GPJ TERRACON.DATATEMPLATE.GDT 1/18/24

BORING LOG NO. B16

PROJECT: Former General Services Building (GSB)

CLIENT: Missouri S&T

SITE:

Rolla, MO

| GRAPHIC LOG | LOCATION See Exhibit A-2 | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | PENETRATION | RECOVERY (in.) | OVA/PID (ppm) | SAMPLE SENT TO LAB (ID NUMBER) |
|-------------|---|------------|--------------------------|-------------|-------------|----------------|---------------|--------------------------------|
| | DEPTH MATERIAL DESCRIPTION | | | | | | | |
| | 0.0 SILTY CLAY WITH SAND , brownish red | | | | | | | |
| | 5.0 | | | | | | | B16 |
| | 5.0 SANDY SILTY CLAY WITH GRAVEL , brownish red | 5 | | | | | | |
| | 10.0 | | | | | | | |
| | 15.0 | | | | | | | |
| | Refusal at 15 Feet | 15 | | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
DPT

Abandonment Method:
Boring backfilled with bentonite upon completion.

WATER LEVEL OBSERVATIONS
Groundwater not observed 9 days after completion

Notes:



Boring Started: 12-19-2023

Boring Completed: 12-19-2023

Drill Rig: DR009

Driller: IPES

Project No.: 15237437

Exhibit: B-8

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG GINT BASE.GPJ TERRACON.DATATEMPLATE.GDT 1/18/24

BORING LOG NO. B2

PROJECT: Former General Services Building (GSB)

CLIENT: Missouri S&T

SITE:

Rolla, MO

| GRAPHIC LOG | LOCATION See Exhibit A-2 | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | PENETRATION | RECOVERY (in.) | OVA/PID (ppm) | SAMPLE SENT TO LAB (ID NUMBER) | |
|-------------|---|------------|--------------------------|-------------|-------------|----------------|---------------|--------------------------------|--|
| | DEPTH MATERIAL DESCRIPTION | | | | | | | | |
| | 0.0 - 8.0 SANDY SILTY CLAY , brown | 0 | | | | 36 | 12.7 | B2 | |
| | 8.0 - 13.0 SANDY SILTY CLAY WITH GRAVEL , brown | 5 | | | | 24 | 0.6 | | |
| | 13.0 - 19.0 SANDY SILTY CLAY , reddish brown | 10 | | | | 36 | 0.2 | | |
| | 19.0 - 19.0 Refusal at 19 Feet | 15 | | | | 24 | 0.1 | | |
| | | 15 | | | | 36 | 0.1 | | |
| | | 15 | | | | 24 | 0.1 | | |
| | | 15 | | | | 24 | 0.6 | | |
| | | 15 | | | | 24 | 1.2 | | |
| | | 15 | | | | | | | |
| | | 15 | | | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
DPT

Abandonment Method:
Boring backfilled with bentonite upon completion.

WATER LEVEL OBSERVATIONS
Groundwater not observed 10 days after completion

Notes:



Boring Started: 12-18-2023
Boring Completed: 12-18-2023
Drill Rig: DR009
Driller: IPES

Project No.: 15237437
Exhibit: B-9

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG GINT BASE.GPJ TERRACON.DATATEMPLATE.GDT 1/18/24

BORING LOG NO. B3

PROJECT: Former General Services Building (GSB)

CLIENT: Missouri S&T

SITE:

Rolla, MO

| GRAPHIC LOG | LOCATION See Exhibit A-2 | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | PENETRATION | RECOVERY (in.) | OVA/PID (ppm) | SAMPLE SENT TO LAB (ID NUMBER) |
|-------------|---|------------|--------------------------|-------------|-------------|----------------|---------------|--------------------------------|
| | DEPTH MATERIAL DESCRIPTION | | | | | | | |
| | <p>SANDY SILTY CLAY WITH GRAVEL, brown</p> | 5 | | | | 36 | 0.4 | B3 |
| | | | | | | 24 | 0.2 | |
| | | | | | | 12 | 0.4 | |
| | | | | | | 24 | 0.2 | |
| | <p>Refusal at 8 Feet</p> | | | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

| | | | |
|--|--|---|--|
| Advancement Method: DPT | | Notes: | |
| Abandonment Method: Boring backfilled with bentonite upon completion. | | | |
| WATER LEVEL OBSERVATIONS Groundwater not observed 10 days after completion | <p>11600 Lilburn Park Rd Saint Louis, MO</p> | Boring Started: 12-18-2023 Drill Rig: DR009 Project No.: 15237437 | Boring Completed: 12-18-2023 Driller: IPES Exhibit: B-10 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG GINT BASE.GPJ TERRACON_DATATEMPLATE.GDT 1/18/24

BORING LOG NO. B4

PROJECT: Former General Services Building (GSB)

CLIENT: Missouri S&T

SITE:

Rolla, MO

| GRAPHIC LOG | LOCATION See Exhibit A-2 | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | PENETRATION | RECOVERY (in.) | OVA/PID (ppm) | SAMPLE SENT TO LAB (ID NUMBER) |
|-------------|--|------------|--------------------------|-------------|-------------|----------------|---------------|--------------------------------|
| | DEPTH MATERIAL DESCRIPTION | | | | | | | |
| 5.0 | FAT CLAY , brown, hard to very hard | 5 | | | | 24 | 1.4 | B4 |
| 10.0 | | 10 | | | | 24 | 0.6 | |
| 15.0 | | 15 | | | | 36 | 0.8 | |
| 20.0 | | 20 | | | | 24 | 0.3 | |
| 23.0 | | 23 | | | | 36 | 0.3 | |
| 25.0 | | 25 | | | | 24 | 0.2 | |
| | Refusal at 25 Feet | 25 | | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
DPT

Abandonment Method:
Boring backfilled with bentonite upon completion.

WATER LEVEL OBSERVATIONS

Groundwater not observed 10 days after completion

11600 Lilburn Park Rd
Saint Louis, MO

| | |
|----------------------------|------------------------------|
| Notes: | |
| Boring Started: 12-18-2023 | Boring Completed: 12-18-2023 |
| Drill Rig: DR009 | Driller: IPES |
| Project No.: 15237437 | Exhibit: B-11 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG GINT BASE.GPJ TERRACON_DATATEMPLATE.GDT 1/18/24

BORING LOG NO. B5

PROJECT: Former General Services Building (GSB)

CLIENT: Missouri S&T

SITE:

Rolla, MO

| GRAPHIC LOG | LOCATION See Exhibit A-2 | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | PENETRATION | RECOVERY (in.) | OVA/PID (ppm) | SAMPLE SENT TO LAB (ID NUMBER) |
|-------------|--|------------|--------------------------|-------------|-------------|----------------|---------------|--------------------------------|
| | DEPTH MATERIAL DESCRIPTION | | | | | | | |
| 4.0 | SANDY SILT , brown, hard to very hard | 36 | | | | | | B5 |
| | Refusal at 4 Feet | 12 | | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

| | | | |
|--|--|----------------------------|------------------------------|
| Advancement Method: DPT | | Notes: | |
| Abandonment Method: Boring backfilled with bentonite upon completion. | | | |
| WATER LEVEL OBSERVATIONS | <p>11600 Lilburn Park Rd Saint Louis, MO</p> | Boring Started: 12-18-2023 | Boring Completed: 12-18-2023 |
| <i>Groundwater not observed 10 days after completion</i> | | Drill Rig: DR009 | Driller: IPES |
| | | Project No.: 15237437 | Exhibit: B-13 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG GINT BASE.GPJ TERRACON_DATATEMPLATE.GDT 1/18/24

BORING LOG NO. B6

PROJECT: Former General Services Building (GSB)

CLIENT: Missouri S&T

SITE:

Rolla, MO

| GRAPHIC LOG | LOCATION See Exhibit A-2 | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | PENETRATION | RECOVERY (in.) | OVA/PID (ppm) | SAMPLE SENT TO LAB (ID NUMBER) |
|---|--|------------|--------------------------|-------------|-------------|----------------|---------------|--------------------------------|
| | DEPTH MATERIAL DESCRIPTION | | | | | | | |
|  | GRAVELLY SILTY CLAY , black | 5 | | | | 20 | 0.5 | B6 |
|  | GRAVELLY SILTY CLAY , brown | 5 | | | | 20 | 0.5 | |
|  | SANDY SILTY CLAY , brown | 8.0 | | | | 24 | 0.6 | |
|  | GRAVELLY SILTY CLAY , reddish brown | 10.0 | | | | 24 | 0.5 | |
|  | GRAVELLY SILTY CLAY , reddish brown | 15 | | | | 24 | 0.6 | |
|  | Refusal at 17.5 Feet | 17.5 | | | | 24 | 0.5 | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

| | | | |
|--|---|----------------------------|------------------------------|
| Advancement Method: DPT | | Notes: | |
| Abandonment Method: Boring backfilled with bentonite upon completion. | | | |
| WATER LEVEL OBSERVATIONS |  | Boring Started: 12-18-2023 | Boring Completed: 12-18-2023 |
| <i>Groundwater not observed 10 days after completion</i> | 11600 Lilburn Park Rd Saint Louis, MO | Drill Rig: DR009 | Driller: IPES |
| | | Project No.: 15237437 | Exhibit: B-14 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG GINT BASE.GPJ TERRACON.DATATEMPLATE.GDT 1/18/24

BORING LOG NO. B7

PROJECT: Former General Services Building (GSB)

CLIENT: Missouri S&T

SITE:

Rolla, MO

| GRAPHIC LOG | LOCATION See Exhibit A-2 | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | PENETRATION | RECOVERY (in.) | OVA/PID (ppm) | SAMPLE SENT TO LAB (ID NUMBER) |
|-------------|---|------------|--------------------------|-------------|-------------|----------------|---------------|--------------------------------|
| DEPTH | MATERIAL DESCRIPTION | | | | | | | |
| 0.0 | SILTY GRAVEL , dark olive brown | 0.0 | | | | | | B7 |
| 8.0 | SANDY SILTY CLAY WITH GRAVEL , brown | 8.0 | ▽ | | | | | |
| 14.0 | Refusal at 14 Feet | 14.0 | | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
DPT

Notes:

Abandonment Method:
Boring backfilled with bentonite upon completion.

WATER LEVEL OBSERVATIONS

▽ Groundwater observed 10 days after completion



11600 Lilburn Park Rd
Saint Louis, MO

Boring Started: 12-18-2023

Boring Completed: 12-18-2023

Drill Rig: DR009

Driller: IPES

Project No.: 15237437

Exhibit: B-15

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG GINT BASE.GPJ TERRACON.DATATEMPLATE.GDT 1/18/24

BORING LOG NO. B8

PROJECT: Former General Services Building (GSB)

CLIENT: Missouri S&T

SITE:

Rolla, MO

| GRAPHIC LOG | LOCATION See Exhibit A-2 | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | PENETRATION | RECOVERY (in.) | OVA/ID (ppm) | SAMPLE SENT TO LAB (ID NUMBER) | |
|-------------|--|------------|--------------------------|-------------|-------------|----------------|--------------|--------------------------------|--|
| | DEPTH MATERIAL DESCRIPTION | | | | | | | | |
| | 3.0 SANDY SILT WITH GRAVEL , dark gray | | | | | 15 | 0.4 | B8 | |
| | 3.0 SANDY SILT WITH GRAVEL , brown | | | | | 15 | 0.2 | | |
| | | | 5 | | | | 15 | 0.3 | |
| | | | | | | | 15 | 0.2 | |
| | | | 10 | | | | 15 | 0.6 | |
| | | | | | | | 15 | 0.4 | |
| | | | 15 | | | | 15 | 0.4 | |
| | | | | | | | 15 | 0.4 | |
| | 20.0 Refusal at 20 Feet | 20 | | | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
DPT

Abandonment Method:
Boring backfilled with bentonite upon completion.

WATER LEVEL OBSERVATIONS
Groundwater not observed 10 days after completion

Notes:



| | |
|----------------------------|------------------------------|
| Boring Started: 12-18-2023 | Boring Completed: 12-18-2023 |
| Drill Rig: DR009 | Driller: IPES |
| Project No.: 15237437 | Exhibit: B-16 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG GINT BASE.GPJ TERRACON.DATATEMPLATE.GDT 1/18/24

BORING LOG NO. B9

PROJECT: Former General Services Building (GSB)

CLIENT: Missouri S&T

SITE:

Rolla, MO

| GRAPHIC LOG | LOCATION See Exhibit A-2 | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | PENETRATION | RECOVERY (in.) | OVA/PID (ppm) | SAMPLE SENT TO LAB (ID NUMBER) |
|-------------|--|------------|--------------------------|-------------|-------------|----------------|---------------|--------------------------------|
| | DEPTH MATERIAL DESCRIPTION | | | | | | | |
| | 0.0 GRAVELLY SILT WITH SAND , tan | | | | | 12 | 0.6 | B9 |
| | 3.0 GRAVELLY SILT , brown | | | | | 12 | 0.6 | |
| | 8.0 SILTY CLAY WITH SAND , brown | | | | | 12 | 0.5 | |
| | 10.0 GRAVELLY SILT , brown | | | | | 12 | 0.6 | |
| | 15.0 GRAVELLY SILT , brown | | | | | 12 | 0.6 | |
| | Refusal at 15 Feet | 15 | | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
DPT

Abandonment Method:
Boring backfilled with bentonite upon completion.

WATER LEVEL OBSERVATIONS
Groundwater not observed 10 days after completion

Notes:

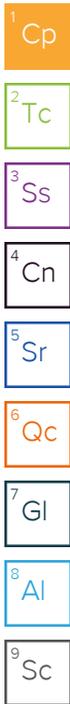


Boring Started: 12-18-2023
Drill Rig: DR009
Project No.: 15237437

Boring Completed: 12-18-2023
Driller: IPES
Exhibit: B-17

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG GINT BASE.GPJ TERRACON.DATATEMPLATE.GDT 1/18/24

**APPENDIX D – LABORATORY ANALYTICAL REPORT
AND
CHAIN-OF-CUSTODY**



Terracon - St.Louis, MO

Sample Delivery Group: L1690609
Samples Received: 12/21/2023
Project Number: 15237437 Task 1.3
Description: Former General Services Building (GSB) - Rolla, MO

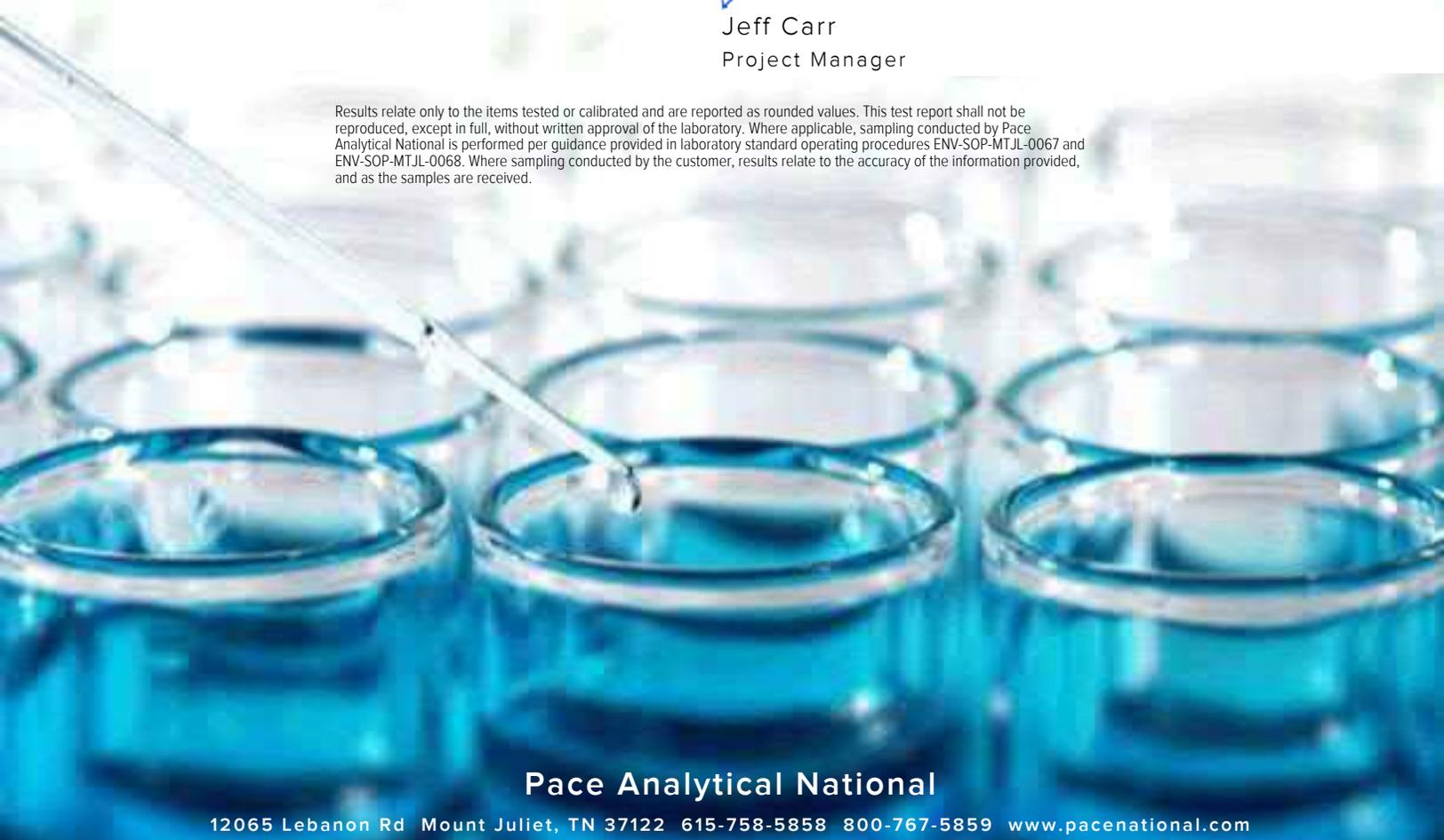
Report To: Karen Rieken
11600 Lilburn Park Drive
St. Louis, MO 63146

Entire Report Reviewed By:



Jeff Carr
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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| |
|-----------------|
| ¹ Cp |
| ² Tc |
| ³ Ss |
| ⁴ Cn |
| ⁵ Sr |
| ⁶ Qc |
| ⁷ Gl |
| ⁸ Al |
| ⁹ Sc |

Gl: Glossary of Terms

112

Al: Accreditations & Locations

113

Sc: Sample Chain of Custody

114

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

SAMPLE SUMMARY

B1 0-3 L1690609-01 Solid

Collected by
Collected date/time
Received date/time

12/18/23 16:22
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196574 | 1 | 12/28/23 06:41 | 12/28/23 06:51 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 15:45 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198259 | 1.1 | 12/18/23 16:22 | 12/29/23 20:38 | JAH | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 1 | 12/28/23 20:54 | 12/30/23 21:32 | CAH | Mt. Juliet, TN |



B2 0-3 L1690609-02 Solid

Collected by
Collected date/time
Received date/time

12/18/23 10:10
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196574 | 1 | 12/28/23 06:41 | 12/28/23 06:51 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 16:08 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198259 | 1 | 12/18/23 10:10 | 12/29/23 20:59 | JAH | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 1 | 12/28/23 20:54 | 12/30/23 21:53 | CAH | Mt. Juliet, TN |

B2 17-19 L1690609-03 Solid

Collected by
Collected date/time
Received date/time

12/18/23 10:26
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196574 | 1 | 12/28/23 06:41 | 12/28/23 06:51 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 16:11 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198259 | 1 | 12/18/23 10:26 | 12/29/23 21:21 | JAH | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 1 | 12/28/23 20:54 | 12/30/23 22:14 | CAH | Mt. Juliet, TN |

B3 0-3 L1690609-04 Solid

Collected by
Collected date/time
Received date/time

12/18/23 11:28
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196574 | 1 | 12/28/23 06:41 | 12/28/23 06:51 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 16:14 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198259 | 1 | 12/18/23 11:28 | 12/29/23 21:42 | JAH | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 1 | 12/28/23 20:54 | 12/30/23 22:35 | CAH | Mt. Juliet, TN |

B1 5-8 L1690609-05 Solid

Collected by
Collected date/time
Received date/time

12/18/23 09:25
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196574 | 1 | 12/28/23 06:41 | 12/28/23 06:51 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 16:22 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198259 | 1.12 | 12/18/23 09:25 | 12/29/23 22:03 | JAH | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 1 | 12/28/23 20:54 | 12/30/23 22:56 | CAH | Mt. Juliet, TN |

B3 5-6 L1690609-06 Solid

Collected by
Collected date/time
Received date/time

12/18/23 11:33
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196574 | 1 | 12/28/23 06:41 | 12/28/23 06:51 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 16:25 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198259 | 1 | 12/18/23 11:33 | 12/29/23 22:24 | JAH | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 1 | 12/28/23 20:54 | 12/30/23 23:17 | CAH | Mt. Juliet, TN |

SAMPLE SUMMARY

B4 0-3 L1690609-07 Solid

Collected by
Collected date/time
Received date/time

12/18/23 13:00
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196574 | 1 | 12/28/23 06:41 | 12/28/23 06:51 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 16:28 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198259 | 1 | 12/18/23 13:00 | 12/29/23 22:45 | JAH | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 1 | 12/28/23 20:54 | 01/03/24 02:35 | AGW | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

B4 10-13 L1690609-08 Solid

Collected by
Collected date/time
Received date/time

12/18/23 13:10
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196574 | 1 | 12/28/23 06:41 | 12/28/23 06:51 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 16:31 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198259 | 1 | 12/18/23 13:10 | 12/29/23 23:06 | JAH | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 1 | 12/28/23 20:54 | 12/30/23 23:39 | CAH | Mt. Juliet, TN |

B6 0-3 L1690609-10 Solid

Collected by
Collected date/time
Received date/time

12/18/23 16:22
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196574 | 1 | 12/28/23 06:41 | 12/28/23 06:51 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 16:34 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198259 | 1 | 12/18/23 16:22 | 12/29/23 23:27 | JAH | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 1 | 12/28/23 20:54 | 01/03/24 17:31 | AGW | Mt. Juliet, TN |

B6 13-15 L1690609-11 Solid

Collected by
Collected date/time
Received date/time

12/18/23 16:27
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196574 | 1 | 12/28/23 06:41 | 12/28/23 06:51 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 16:37 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198743 | 1 | 12/18/23 16:27 | 12/30/23 17:45 | ACG | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 1 | 12/28/23 20:54 | 12/31/23 00:00 | CAH | Mt. Juliet, TN |

B7 0-3 L1690609-12 Solid

Collected by
Collected date/time
Received date/time

12/18/23 15:25
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196738 | 1 | 12/28/23 06:55 | 12/28/23 07:04 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 16:40 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198743 | 1.2 | 12/18/23 15:25 | 12/30/23 18:06 | ACG | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 1 | 12/28/23 20:54 | 12/31/23 00:21 | CAH | Mt. Juliet, TN |

B7 8-10 L1690609-13 Solid

Collected by
Collected date/time
Received date/time

12/18/23 15:50
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196738 | 1 | 12/28/23 06:55 | 12/28/23 07:04 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 16:43 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198743 | 1.01 | 12/18/23 15:50 | 12/30/23 18:27 | ACG | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 1 | 12/28/23 20:54 | 12/31/23 00:42 | CAH | Mt. Juliet, TN |

SAMPLE SUMMARY

B8 0-3 L1690609-14 Solid

Collected by
Collected date/time
Received date/time

12/18/23 13:55
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196738 | 1 | 12/28/23 06:55 | 12/28/23 07:04 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 16:46 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198743 | 1.15 | 12/18/23 13:55 | 12/30/23 18:48 | ACG | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 1 | 12/28/23 20:54 | 01/03/24 17:52 | AGW | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 10 | 12/28/23 20:54 | 01/04/24 17:20 | JRM | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

B8 10-13 L1690609-15 Solid

Collected by
Collected date/time
Received date/time

12/18/23 14:10
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196738 | 1 | 12/28/23 06:55 | 12/28/23 07:04 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 16:49 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2200022 | 1.05 | 12/18/23 14:10 | 01/04/24 22:20 | AV | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 1 | 12/28/23 20:54 | 12/31/23 01:03 | CAH | Mt. Juliet, TN |

5 Sr

6 Qc

7 Gl

8 Al

B9 0-3 L1690609-16 Solid

Collected by
Collected date/time
Received date/time

12/18/23 15:59
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196738 | 1 | 12/28/23 06:55 | 12/28/23 07:04 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 16:57 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198743 | 1 | 12/28/23 13:40 | 12/30/23 19:30 | ACG | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 1 | 12/28/23 20:54 | 12/31/23 01:24 | CAH | Mt. Juliet, TN |

9 Sc

B9 10-13 L1690609-17 Solid

Collected by
Collected date/time
Received date/time

12/18/23 16:06
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196738 | 1 | 12/28/23 06:55 | 12/28/23 07:04 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 17:00 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198743 | 1 | 12/18/23 16:06 | 12/30/23 19:51 | ACG | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 1 | 12/28/23 20:54 | 01/03/24 01:32 | AGW | Mt. Juliet, TN |

B10 0-3 L1690609-18 Solid

Collected by
Collected date/time
Received date/time

12/18/23 15:15
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196738 | 1 | 12/28/23 06:55 | 12/28/23 07:04 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 17:04 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198743 | 1 | 12/18/23 15:15 | 12/30/23 20:13 | ACG | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196251 | 1 | 12/28/23 20:54 | 01/03/24 01:53 | AGW | Mt. Juliet, TN |

B10 3-4 L1690609-19 Solid

Collected by
Collected date/time
Received date/time

12/18/23 15:15
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196738 | 1 | 12/28/23 06:55 | 12/28/23 07:04 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 17:07 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198743 | 1 | 12/18/23 15:15 | 12/30/23 20:34 | ACG | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196994 | 1 | 12/28/23 20:45 | 12/29/23 21:54 | JRM | Mt. Juliet, TN |

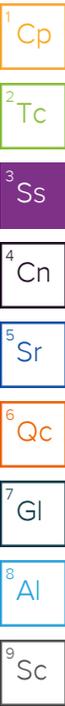
SAMPLE SUMMARY

B11 0-3 L1690609-20 Solid

Collected by
Collected date/time
Received date/time

12/18/23 14:45
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196738 | 1 | 12/28/23 06:55 | 12/28/23 07:04 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 17:10 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198915 | 1.05 | 12/18/23 14:45 | 12/31/23 18:57 | KSD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2200317 | 25 | 01/03/24 16:48 | 01/04/24 08:40 | KSD | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196994 | 1 | 12/28/23 20:45 | 12/29/23 22:15 | JRM | Mt. Juliet, TN |



B11 5-8 L1690609-21 Solid

Collected by
Collected date/time
Received date/time

12/18/23 14:49
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196738 | 1 | 12/28/23 06:55 | 12/28/23 07:04 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196904 | 1 | 12/27/23 22:27 | 12/28/23 17:13 | ZSA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2198915 | 1 | 12/18/23 14:49 | 12/31/23 19:18 | KSD | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196994 | 1 | 12/28/23 20:45 | 12/29/23 23:18 | JRM | Mt. Juliet, TN |

B12 0-3 L1690609-22 Solid

Collected by
Collected date/time
Received date/time

12/19/23 08:02
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196759 | 1 | 12/28/23 06:29 | 12/28/23 06:40 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196902 | 1 | 12/27/23 22:56 | 12/28/23 09:00 | JTM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2200315 | 1.18 | 12/19/23 08:02 | 01/04/24 22:41 | AV | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196994 | 1 | 12/28/23 20:45 | 12/29/23 23:39 | JRM | Mt. Juliet, TN |

B12 3-5 L1690609-23 Solid

Collected by
Collected date/time
Received date/time

12/19/23 08:02
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196759 | 1 | 12/28/23 06:29 | 12/28/23 06:40 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196902 | 1 | 12/27/23 22:56 | 12/28/23 09:17 | JTM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2199608 | 1.2 | 12/19/23 08:02 | 01/02/24 19:52 | ACG | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196994 | 1 | 12/28/23 20:45 | 12/30/23 00:00 | JRM | Mt. Juliet, TN |

B13 0-3 L1690609-24 Solid

Collected by
Collected date/time
Received date/time

12/19/23 08:24
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196759 | 1 | 12/28/23 06:29 | 12/28/23 06:40 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196902 | 1 | 12/27/23 22:56 | 12/28/23 09:20 | JTM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2199608 | 1 | 12/19/23 08:24 | 01/02/24 20:13 | ACG | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196994 | 1 | 12/28/23 20:45 | 12/30/23 00:21 | JRM | Mt. Juliet, TN |

B13 5-8.5 L1690609-25 Solid

Collected by
Collected date/time
Received date/time

12/19/23 08:26
12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196759 | 1 | 12/28/23 06:29 | 12/28/23 06:40 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196902 | 1 | 12/27/23 22:56 | 12/28/23 09:29 | JTM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2199608 | 1.04 | 12/19/23 08:26 | 01/02/24 20:35 | ACG | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196994 | 1 | 12/28/23 20:45 | 12/30/23 00:42 | JRM | Mt. Juliet, TN |

SAMPLE SUMMARY

B14 0-3 L1690609-26 Solid

Collected by
Collected date/time
Received date/time

12/19/23 09:49 12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196759 | 1 | 12/28/23 06:29 | 12/28/23 06:40 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196902 | 1 | 12/27/23 22:56 | 12/28/23 09:32 | JTM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2199608 | 1.2 | 12/19/23 09:49 | 01/02/24 20:56 | ACG | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196994 | 1 | 12/28/23 20:45 | 12/30/23 01:03 | JRM | Mt. Juliet, TN |



B14 10-13 L1690609-27 Solid

Collected by
Collected date/time
Received date/time

12/19/23 09:54 12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196759 | 1 | 12/28/23 06:29 | 12/28/23 06:40 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196902 | 1 | 12/27/23 22:56 | 12/28/23 09:35 | JTM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2199030 | 1 | 12/19/23 09:54 | 01/02/24 16:43 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2201073 | 25 | 12/19/23 09:54 | 01/05/24 13:24 | ACG | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196994 | 1 | 12/28/23 20:45 | 12/30/23 01:24 | JRM | Mt. Juliet, TN |

B15 0-3 L1690609-28 Solid

Collected by
Collected date/time
Received date/time

12/19/23 08:57 12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196759 | 1 | 12/28/23 06:29 | 12/28/23 06:40 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196902 | 1 | 12/27/23 22:56 | 12/28/23 09:38 | JTM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2199030 | 1 | 12/19/23 08:57 | 01/02/24 17:04 | ACG | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196994 | 1 | 12/28/23 20:45 | 12/30/23 01:45 | JRM | Mt. Juliet, TN |

B15 10-12 L1690609-29 Solid

Collected by
Collected date/time
Received date/time

12/19/23 09:03 12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196759 | 1 | 12/28/23 06:29 | 12/28/23 06:40 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196902 | 1 | 12/27/23 22:56 | 12/28/23 09:41 | JTM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2199030 | 1 | 12/19/23 09:03 | 01/02/24 17:25 | ACG | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196994 | 1 | 12/28/23 20:45 | 12/30/23 02:06 | JRM | Mt. Juliet, TN |

B16 0-5 L1690609-30 Solid

Collected by
Collected date/time
Received date/time

12/19/23 07:22 12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196759 | 1 | 12/28/23 06:29 | 12/28/23 06:40 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196902 | 1 | 12/27/23 22:56 | 12/28/23 09:44 | JTM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2199030 | 1.75 | 12/19/23 07:22 | 01/02/24 17:46 | ACG | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196994 | 1 | 12/28/23 20:45 | 12/30/23 02:27 | JRM | Mt. Juliet, TN |

B16 13-15 L1690609-31 Solid

Collected by
Collected date/time
Received date/time

12/19/23 09:28 12/21/23 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG2196759 | 1 | 12/28/23 06:29 | 12/28/23 06:40 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2196902 | 1 | 12/27/23 22:56 | 12/28/23 09:47 | JTM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2199030 | 1 | 12/19/23 09:28 | 01/02/24 18:07 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2201068 | 1 | 12/19/23 09:28 | 01/04/24 23:03 | AV | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2196994 | 1 | 12/28/23 20:45 | 12/30/23 02:48 | JRM | Mt. Juliet, TN |

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jeff Carr
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| Total Solids | 81.5 | | 1 | 12/28/2023 06:51 | WG2196574 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| Lead | 12.0 | | 0.614 | 1 | 12/28/2023 15:45 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|--------------------|-----------|----------|------------------|---------------------------|
| TPH (GC/MS) Low Fraction | ND | | 0.675 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Acetone | 0.382 | | 0.0675 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Acrylonitrile | ND | | 0.0135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Benzene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Bromobenzene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Bromodichloromethane | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Bromoform | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Bromomethane | ND | | 0.00675 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| n-Butylbenzene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| sec-Butylbenzene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| tert-Butylbenzene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Carbon tetrachloride | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Chlorobenzene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Chlorodibromomethane | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Chloroethane | ND | | 0.00675 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Chloroform | ND | | 0.00675 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Chloromethane | ND | | 0.00337 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 2-Chlorotoluene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 4-Chlorotoluene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00675 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,2-Dibromoethane | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Dibromomethane | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,2-Dichlorobenzene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,3-Dichlorobenzene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,4-Dichlorobenzene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Dichlorodifluoromethane | ND | | 0.00675 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,1-Dichloroethane | ND | J4 | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,2-Dichloroethane | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,1-Dichloroethene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| cis-1,2-Dichloroethene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| trans-1,2-Dichloroethene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,2-Dichloropropane | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,1-Dichloropropene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,3-Dichloropropane | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| cis-1,3-Dichloropropene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| trans-1,3-Dichloropropene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 2,2-Dichloropropane | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Di-isopropyl ether | ND | J4 | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Ethylbenzene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Hexachloro-1,3-butadiene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Isopropylbenzene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| p-Isopropyltoluene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 2-Butanone (MEK) | 0.0233 | | 0.0135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Methylene Chloride | ND | | 0.00675 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0135 | 1.1 | 12/29/2023 20:38 | WG2198259 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Naphthalene | ND | | 0.00675 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| n-Propylbenzene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Styrene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Tetrachloroethene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Toluene | ND | | 0.00675 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,2,3-Trichlorobenzene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,2,4-Trichlorobenzene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,1,1-Trichloroethane | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,1,2-Trichloroethane | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Trichloroethene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Trichlorofluoromethane | ND | | 0.00675 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,2,3-Trichloropropane | ND | | 0.00337 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,2,4-Trimethylbenzene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,2,3-Trimethylbenzene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| 1,3,5-Trimethylbenzene | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Vinyl chloride | ND | | 0.00135 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| Xylenes, Total | ND | | 0.00405 | 1.1 | 12/29/2023 20:38 | WG2198259 |
| <i>(S) Toluene-d8</i> | 106 | | 75.0-131 | | 12/29/2023 20:38 | WG2198259 |
| <i>(S) 4-Bromofluorobenzene</i> | 97.6 | | 67.0-138 | | 12/29/2023 20:38 | WG2198259 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 111 | | 70.0-130 | | 12/29/2023 20:38 | WG2198259 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|-----------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 12.3 | 1 | 12/30/2023 21:32 | WG2196251 |
| ORO | ND | | 12.3 | 1 | 12/30/2023 21:32 | WG2196251 |
| Anthracene | ND | | 0.0405 | 1 | 12/30/2023 21:32 | WG2196251 |
| Acenaphthene | ND | | 0.0405 | 1 | 12/30/2023 21:32 | WG2196251 |
| Acenaphthylene | ND | | 0.0405 | 1 | 12/30/2023 21:32 | WG2196251 |
| Benzo(a)anthracene | ND | | 0.0405 | 1 | 12/30/2023 21:32 | WG2196251 |
| Benzo(a)pyrene | ND | | 0.0405 | 1 | 12/30/2023 21:32 | WG2196251 |
| Benzo(b)fluoranthene | ND | | 0.0405 | 1 | 12/30/2023 21:32 | WG2196251 |
| Benzo(g,h,i)perylene | ND | | 0.0405 | 1 | 12/30/2023 21:32 | WG2196251 |
| Benzo(k)fluoranthene | ND | | 0.0405 | 1 | 12/30/2023 21:32 | WG2196251 |
| Chrysene | ND | | 0.0405 | 1 | 12/30/2023 21:32 | WG2196251 |
| Dibenz(a,h)anthracene | ND | | 0.0405 | 1 | 12/30/2023 21:32 | WG2196251 |
| Fluoranthene | ND | | 0.0405 | 1 | 12/30/2023 21:32 | WG2196251 |
| Fluorene | ND | | 0.0405 | 1 | 12/30/2023 21:32 | WG2196251 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0405 | 1 | 12/30/2023 21:32 | WG2196251 |
| Naphthalene | ND | | 0.0405 | 1 | 12/30/2023 21:32 | WG2196251 |
| Phenanthrene | ND | | 0.0405 | 1 | 12/30/2023 21:32 | WG2196251 |
| Pyrene | ND | | 0.0405 | 1 | 12/30/2023 21:32 | WG2196251 |
| <i>(S) Nitrobenzene-d5</i> | 81.4 | | 22.0-150 | | 12/30/2023 21:32 | WG2196251 |
| <i>(S) 2-Fluorobiphenyl</i> | 75.6 | | 27.0-135 | | 12/30/2023 21:32 | WG2196251 |
| <i>(S) p-Terphenyl-d14</i> | 67.9 | | 22.0-129 | | 12/30/2023 21:32 | WG2196251 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 82.3 | | 1 | 12/28/2023 06:51 | WG2196574 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 23.6 | | 0.608 | 1 | 12/28/2023 16:08 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|--------------------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.608 | 1 | 12/29/2023 20:59 | WG2198259 |
| Acetone | 0.232 | | 0.0608 | 1 | 12/29/2023 20:59 | WG2198259 |
| Acrylonitrile | ND | | 0.0122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Benzene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Bromobenzene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Bromodichloromethane | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Bromoform | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Bromomethane | ND | | 0.00608 | 1 | 12/29/2023 20:59 | WG2198259 |
| n-Butylbenzene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| sec-Butylbenzene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| tert-Butylbenzene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Carbon tetrachloride | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Chlorobenzene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Chlorodibromomethane | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Chloroethane | ND | | 0.00608 | 1 | 12/29/2023 20:59 | WG2198259 |
| Chloroform | ND | | 0.00608 | 1 | 12/29/2023 20:59 | WG2198259 |
| Chloromethane | 0.0283 | | 0.00304 | 1 | 12/29/2023 20:59 | WG2198259 |
| 2-Chlorotoluene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 4-Chlorotoluene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00608 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,2-Dibromoethane | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Dibromomethane | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,2-Dichlorobenzene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,3-Dichlorobenzene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,4-Dichlorobenzene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Dichlorodifluoromethane | ND | | 0.00608 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,1-Dichloroethane | ND | J4 | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,2-Dichloroethane | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,1-Dichloroethene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| cis-1,2-Dichloroethene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| trans-1,2-Dichloroethene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,2-Dichloropropane | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,1-Dichloropropene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,3-Dichloropropane | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| cis-1,3-Dichloropropene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| trans-1,3-Dichloropropene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 2,2-Dichloropropane | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Di-isopropyl ether | ND | J4 | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Ethylbenzene | 0.00145 | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Hexachloro-1,3-butadiene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Isopropylbenzene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| p-Isopropyltoluene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 2-Butanone (MEK) | 0.0184 | | 0.0122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Methylene Chloride | ND | | 0.00608 | 1 | 12/29/2023 20:59 | WG2198259 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0122 | 1 | 12/29/2023 20:59 | WG2198259 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Naphthalene | ND | | 0.00608 | 1 | 12/29/2023 20:59 | WG2198259 |
| n-Propylbenzene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Styrene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Tetrachloroethene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Toluene | ND | | 0.00608 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,2,3-Trichlorobenzene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,2,4-Trichlorobenzene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,1,1-Trichloroethane | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,1,2-Trichloroethane | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Trichloroethene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Trichlorofluoromethane | ND | | 0.00608 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,2,3-Trichloropropane | ND | | 0.00304 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,2,4-Trimethylbenzene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,2,3-Trimethylbenzene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| 1,3,5-Trimethylbenzene | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Vinyl chloride | ND | | 0.00122 | 1 | 12/29/2023 20:59 | WG2198259 |
| Xylenes, Total | 0.00658 | | 0.00365 | 1 | 12/29/2023 20:59 | WG2198259 |
| <i>(S) Toluene-d8</i> | 110 | | 75.0-131 | | 12/29/2023 20:59 | WG2198259 |
| <i>(S) 4-Bromofluorobenzene</i> | 88.6 | | 67.0-138 | | 12/29/2023 20:59 | WG2198259 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 95.1 | | 70.0-130 | | 12/29/2023 20:59 | WG2198259 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|-----------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 12.2 | 1 | 12/30/2023 21:53 | WG2196251 |
| ORO | ND | | 12.2 | 1 | 12/30/2023 21:53 | WG2196251 |
| Anthracene | ND | | 0.0401 | 1 | 12/30/2023 21:53 | WG2196251 |
| Acenaphthene | ND | | 0.0401 | 1 | 12/30/2023 21:53 | WG2196251 |
| Acenaphthylene | ND | | 0.0401 | 1 | 12/30/2023 21:53 | WG2196251 |
| Benzo(a)anthracene | ND | | 0.0401 | 1 | 12/30/2023 21:53 | WG2196251 |
| Benzo(a)pyrene | ND | | 0.0401 | 1 | 12/30/2023 21:53 | WG2196251 |
| Benzo(b)fluoranthene | ND | | 0.0401 | 1 | 12/30/2023 21:53 | WG2196251 |
| Benzo(g,h,i)perylene | ND | | 0.0401 | 1 | 12/30/2023 21:53 | WG2196251 |
| Benzo(k)fluoranthene | ND | | 0.0401 | 1 | 12/30/2023 21:53 | WG2196251 |
| Chrysene | ND | | 0.0401 | 1 | 12/30/2023 21:53 | WG2196251 |
| Dibenz(a,h)anthracene | ND | | 0.0401 | 1 | 12/30/2023 21:53 | WG2196251 |
| Fluoranthene | ND | | 0.0401 | 1 | 12/30/2023 21:53 | WG2196251 |
| Fluorene | ND | | 0.0401 | 1 | 12/30/2023 21:53 | WG2196251 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0401 | 1 | 12/30/2023 21:53 | WG2196251 |
| Naphthalene | ND | | 0.0401 | 1 | 12/30/2023 21:53 | WG2196251 |
| Phenanthrene | ND | | 0.0401 | 1 | 12/30/2023 21:53 | WG2196251 |
| Pyrene | ND | | 0.0401 | 1 | 12/30/2023 21:53 | WG2196251 |
| <i>(S) Nitrobenzene-d5</i> | 76.4 | | 22.0-150 | | 12/30/2023 21:53 | WG2196251 |
| <i>(S) 2-Fluorobiphenyl</i> | 62.4 | | 27.0-135 | | 12/30/2023 21:53 | WG2196251 |
| <i>(S) p-Terphenyl-d14</i> | 58.6 | | 22.0-129 | | 12/30/2023 21:53 | WG2196251 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 72.8 | | 1 | 12/28/2023 06:51 | WG2196574 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 17.8 | | 0.686 | 1 | 12/28/2023 16:11 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|--------------------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.686 | 1 | 12/29/2023 21:21 | WG2198259 |
| Acetone | 0.165 | | 0.0686 | 1 | 12/29/2023 21:21 | WG2198259 |
| Acrylonitrile | ND | | 0.0137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Benzene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Bromobenzene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Bromodichloromethane | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Bromoform | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Bromomethane | ND | | 0.00686 | 1 | 12/29/2023 21:21 | WG2198259 |
| n-Butylbenzene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| sec-Butylbenzene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| tert-Butylbenzene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Carbon tetrachloride | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Chlorobenzene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Chlorodibromomethane | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Chloroethane | ND | | 0.00686 | 1 | 12/29/2023 21:21 | WG2198259 |
| Chloroform | ND | | 0.00686 | 1 | 12/29/2023 21:21 | WG2198259 |
| Chloromethane | ND | | 0.00343 | 1 | 12/29/2023 21:21 | WG2198259 |
| 2-Chlorotoluene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 4-Chlorotoluene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00686 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,2-Dibromoethane | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Dibromomethane | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,2-Dichlorobenzene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,3-Dichlorobenzene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,4-Dichlorobenzene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Dichlorodifluoromethane | ND | | 0.00686 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,1-Dichloroethane | ND | J4 | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,2-Dichloroethane | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,1-Dichloroethene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| cis-1,2-Dichloroethene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| trans-1,2-Dichloroethene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,2-Dichloropropane | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,1-Dichloropropene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,3-Dichloropropane | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| cis-1,3-Dichloropropene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| trans-1,3-Dichloropropene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 2,2-Dichloropropane | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Di-isopropyl ether | ND | J4 | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Ethylbenzene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Hexachloro-1,3-butadiene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Isopropylbenzene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| p-Isopropyltoluene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 2-Butanone (MEK) | ND | | 0.0137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Methylene Chloride | ND | | 0.00686 | 1 | 12/29/2023 21:21 | WG2198259 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0137 | 1 | 12/29/2023 21:21 | WG2198259 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Naphthalene | ND | | 0.00686 | 1 | 12/29/2023 21:21 | WG2198259 |
| n-Propylbenzene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Styrene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Tetrachloroethene | 0.00217 | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Toluene | ND | | 0.00686 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,2,3-Trichlorobenzene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,2,4-Trichlorobenzene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,1,1-Trichloroethane | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,1,2-Trichloroethane | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Trichloroethene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Trichlorofluoromethane | ND | | 0.00686 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,2,3-Trichloropropane | ND | | 0.00343 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,2,4-Trimethylbenzene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,2,3-Trimethylbenzene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| 1,3,5-Trimethylbenzene | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Vinyl chloride | ND | | 0.00137 | 1 | 12/29/2023 21:21 | WG2198259 |
| Xylenes, Total | ND | | 0.00412 | 1 | 12/29/2023 21:21 | WG2198259 |
| (S) Toluene-d8 | 107 | | 75.0-131 | | 12/29/2023 21:21 | WG2198259 |
| (S) 4-Bromofluorobenzene | 92.5 | | 67.0-138 | | 12/29/2023 21:21 | WG2198259 |
| (S) 1,2-Dichloroethane-d4 | 108 | | 70.0-130 | | 12/29/2023 21:21 | WG2198259 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 13.7 | 1 | 12/30/2023 22:14 | WG2196251 |
| ORO | ND | | 13.7 | 1 | 12/30/2023 22:14 | WG2196251 |
| Anthracene | ND | | 0.0453 | 1 | 12/30/2023 22:14 | WG2196251 |
| Acenaphthene | ND | | 0.0453 | 1 | 12/30/2023 22:14 | WG2196251 |
| Acenaphthylene | ND | | 0.0453 | 1 | 12/30/2023 22:14 | WG2196251 |
| Benzo(a)anthracene | ND | | 0.0453 | 1 | 12/30/2023 22:14 | WG2196251 |
| Benzo(a)pyrene | ND | | 0.0453 | 1 | 12/30/2023 22:14 | WG2196251 |
| Benzo(b)fluoranthene | ND | | 0.0453 | 1 | 12/30/2023 22:14 | WG2196251 |
| Benzo(g,h,i)perylene | ND | | 0.0453 | 1 | 12/30/2023 22:14 | WG2196251 |
| Benzo(k)fluoranthene | ND | | 0.0453 | 1 | 12/30/2023 22:14 | WG2196251 |
| Chrysene | ND | | 0.0453 | 1 | 12/30/2023 22:14 | WG2196251 |
| Dibenz(a,h)anthracene | ND | | 0.0453 | 1 | 12/30/2023 22:14 | WG2196251 |
| Fluoranthene | ND | | 0.0453 | 1 | 12/30/2023 22:14 | WG2196251 |
| Fluorene | ND | | 0.0453 | 1 | 12/30/2023 22:14 | WG2196251 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0453 | 1 | 12/30/2023 22:14 | WG2196251 |
| Naphthalene | ND | | 0.0453 | 1 | 12/30/2023 22:14 | WG2196251 |
| Phenanthrene | ND | | 0.0453 | 1 | 12/30/2023 22:14 | WG2196251 |
| Pyrene | ND | | 0.0453 | 1 | 12/30/2023 22:14 | WG2196251 |
| (S) Nitrobenzene-d5 | 76.9 | | 22.0-150 | | 12/30/2023 22:14 | WG2196251 |
| (S) 2-Fluorobiphenyl | 58.5 | | 27.0-135 | | 12/30/2023 22:14 | WG2196251 |
| (S) p-Terphenyl-d14 | 61.1 | | 22.0-129 | | 12/30/2023 22:14 | WG2196251 |

Total Solids by Method 2540 G-2011

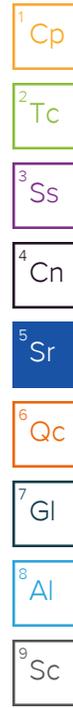
| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| Total Solids | 85.9 | | 1 | 12/28/2023 06:51 | WG2196574 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| Lead | 14.7 | | 0.582 | 1 | 12/28/2023 16:14 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|--------------------|-----------|----------|------------------|---------------------------|
| TPH (GC/MS) Low Fraction | ND | | 0.582 | 1 | 12/29/2023 21:42 | WG2198259 |
| Acetone | 0.294 | | 0.0582 | 1 | 12/29/2023 21:42 | WG2198259 |
| Acrylonitrile | ND | | 0.0116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Benzene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Bromobenzene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Bromodichloromethane | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Bromoform | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Bromomethane | ND | | 0.00582 | 1 | 12/29/2023 21:42 | WG2198259 |
| n-Butylbenzene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| sec-Butylbenzene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| tert-Butylbenzene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Carbon tetrachloride | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Chlorobenzene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Chlorodibromomethane | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Chloroethane | ND | | 0.00582 | 1 | 12/29/2023 21:42 | WG2198259 |
| Chloroform | ND | | 0.00582 | 1 | 12/29/2023 21:42 | WG2198259 |
| Chloromethane | ND | | 0.00291 | 1 | 12/29/2023 21:42 | WG2198259 |
| 2-Chlorotoluene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 4-Chlorotoluene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00582 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,2-Dibromoethane | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Dibromomethane | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,2-Dichlorobenzene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,3-Dichlorobenzene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,4-Dichlorobenzene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Dichlorodifluoromethane | ND | | 0.00582 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,1-Dichloroethane | ND | J4 | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,2-Dichloroethane | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,1-Dichloroethene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| cis-1,2-Dichloroethene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| trans-1,2-Dichloroethene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,2-Dichloropropane | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,1-Dichloropropene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,3-Dichloropropane | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| cis-1,3-Dichloropropene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| trans-1,3-Dichloropropene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 2,2-Dichloropropane | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Di-isopropyl ether | ND | J4 | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Ethylbenzene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Hexachloro-1,3-butadiene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Isopropylbenzene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| p-Isopropyltoluene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 2-Butanone (MEK) | 0.0194 | | 0.0116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Methylene Chloride | ND | | 0.00582 | 1 | 12/29/2023 21:42 | WG2198259 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0116 | 1 | 12/29/2023 21:42 | WG2198259 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|--------------------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Naphthalene | ND | | 0.00582 | 1 | 12/29/2023 21:42 | WG2198259 |
| n-Propylbenzene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Styrene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Tetrachloroethene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Toluene | ND | | 0.00582 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,2,3-Trichlorobenzene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,2,4-Trichlorobenzene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,1,1-Trichloroethane | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,1,2-Trichloroethane | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Trichloroethene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Trichlorofluoromethane | ND | | 0.00582 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,2,3-Trichloropropane | ND | | 0.00291 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,2,4-Trimethylbenzene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,2,3-Trimethylbenzene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| 1,3,5-Trimethylbenzene | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Vinyl chloride | ND | | 0.00116 | 1 | 12/29/2023 21:42 | WG2198259 |
| Xylenes, Total | ND | | 0.00349 | 1 | 12/29/2023 21:42 | WG2198259 |
| (S) Toluene-d8 | 62.4 | J2 | 75.0-131 | | 12/29/2023 21:42 | WG2198259 |
| (S) 4-Bromofluorobenzene | 93.6 | | 67.0-138 | | 12/29/2023 21:42 | WG2198259 |
| (S) 1,2-Dichloroethane-d4 | 106 | | 70.0-130 | | 12/29/2023 21:42 | WG2198259 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 11.6 | 1 | 12/30/2023 22:35 | WG2196251 |
| ORO | ND | | 11.6 | 1 | 12/30/2023 22:35 | WG2196251 |
| Anthracene | ND | | 0.0384 | 1 | 12/30/2023 22:35 | WG2196251 |
| Acenaphthene | ND | | 0.0384 | 1 | 12/30/2023 22:35 | WG2196251 |
| Acenaphthylene | ND | | 0.0384 | 1 | 12/30/2023 22:35 | WG2196251 |
| Benzo(a)anthracene | ND | | 0.0384 | 1 | 12/30/2023 22:35 | WG2196251 |
| Benzo(a)pyrene | ND | | 0.0384 | 1 | 12/30/2023 22:35 | WG2196251 |
| Benzo(b)fluoranthene | ND | | 0.0384 | 1 | 12/30/2023 22:35 | WG2196251 |
| Benzo(g,h,i)perylene | ND | | 0.0384 | 1 | 12/30/2023 22:35 | WG2196251 |
| Benzo(k)fluoranthene | ND | | 0.0384 | 1 | 12/30/2023 22:35 | WG2196251 |
| Chrysene | ND | | 0.0384 | 1 | 12/30/2023 22:35 | WG2196251 |
| Dibenz(a,h)anthracene | ND | | 0.0384 | 1 | 12/30/2023 22:35 | WG2196251 |
| Fluoranthene | ND | | 0.0384 | 1 | 12/30/2023 22:35 | WG2196251 |
| Fluorene | ND | | 0.0384 | 1 | 12/30/2023 22:35 | WG2196251 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0384 | 1 | 12/30/2023 22:35 | WG2196251 |
| Naphthalene | ND | | 0.0384 | 1 | 12/30/2023 22:35 | WG2196251 |
| Phenanthrene | ND | | 0.0384 | 1 | 12/30/2023 22:35 | WG2196251 |
| Pyrene | ND | | 0.0384 | 1 | 12/30/2023 22:35 | WG2196251 |
| (S) Nitrobenzene-d5 | 90.1 | | 22.0-150 | | 12/30/2023 22:35 | WG2196251 |
| (S) 2-Fluorobiphenyl | 66.1 | | 27.0-135 | | 12/30/2023 22:35 | WG2196251 |
| (S) p-Terphenyl-d14 | 53.3 | | 22.0-129 | | 12/30/2023 22:35 | WG2196251 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 87.8 | | 1 | 12/28/2023 06:51 | WG2196574 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 6.61 | | 0.569 | 1 | 12/28/2023 16:22 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|--------------------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.638 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Acetone | 0.179 | | 0.0638 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Acrylonitrile | ND | | 0.0128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Benzene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Bromobenzene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Bromodichloromethane | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Bromoform | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Bromomethane | ND | | 0.00638 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| n-Butylbenzene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| sec-Butylbenzene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| tert-Butylbenzene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Carbon tetrachloride | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Chlorobenzene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Chlorodibromomethane | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Chloroethane | ND | | 0.00638 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Chloroform | ND | | 0.00638 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Chloromethane | ND | | 0.00319 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 2-Chlorotoluene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 4-Chlorotoluene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00638 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,2-Dibromoethane | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Dibromomethane | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,2-Dichlorobenzene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,3-Dichlorobenzene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,4-Dichlorobenzene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Dichlorodifluoromethane | ND | | 0.00638 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,1-Dichloroethane | ND | J4 | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,2-Dichloroethane | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,1-Dichloroethene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| cis-1,2-Dichloroethene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| trans-1,2-Dichloroethene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,2-Dichloropropane | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,1-Dichloropropene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,3-Dichloropropane | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| cis-1,3-Dichloropropene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| trans-1,3-Dichloropropene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 2,2-Dichloropropane | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Di-isopropyl ether | ND | J4 | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Ethylbenzene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Hexachloro-1,3-butadiene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Isopropylbenzene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| p-Isopropyltoluene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 2-Butanone (MEK) | ND | | 0.0128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Methylene Chloride | ND | | 0.00638 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0128 | 1.12 | 12/29/2023 22:03 | WG2198259 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Naphthalene | ND | | 0.00638 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| n-Propylbenzene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Styrene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Tetrachloroethene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Toluene | ND | | 0.00638 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,2,3-Trichlorobenzene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,2,4-Trichlorobenzene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,1,1-Trichloroethane | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,1,2-Trichloroethane | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Trichloroethene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Trichlorofluoromethane | ND | | 0.00638 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,2,3-Trichloropropane | ND | | 0.00319 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,2,4-Trimethylbenzene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,2,3-Trimethylbenzene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| 1,3,5-Trimethylbenzene | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Vinyl chloride | ND | | 0.00128 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| Xylenes, Total | ND | | 0.00383 | 1.12 | 12/29/2023 22:03 | WG2198259 |
| (S) Toluene-d8 | 104 | | 75.0-131 | | 12/29/2023 22:03 | WG2198259 |
| (S) 4-Bromofluorobenzene | 94.1 | | 67.0-138 | | 12/29/2023 22:03 | WG2198259 |
| (S) 1,2-Dichloroethane-d4 | 111 | | 70.0-130 | | 12/29/2023 22:03 | WG2198259 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 11.4 | 1 | 12/30/2023 22:56 | WG2196251 |
| ORO | ND | | 11.4 | 1 | 12/30/2023 22:56 | WG2196251 |
| Anthracene | ND | | 0.0376 | 1 | 12/30/2023 22:56 | WG2196251 |
| Acenaphthene | ND | | 0.0376 | 1 | 12/30/2023 22:56 | WG2196251 |
| Acenaphthylene | ND | | 0.0376 | 1 | 12/30/2023 22:56 | WG2196251 |
| Benzo(a)anthracene | ND | | 0.0376 | 1 | 12/30/2023 22:56 | WG2196251 |
| Benzo(a)pyrene | ND | | 0.0376 | 1 | 12/30/2023 22:56 | WG2196251 |
| Benzo(b)fluoranthene | ND | | 0.0376 | 1 | 12/30/2023 22:56 | WG2196251 |
| Benzo(g,h,i)perylene | ND | | 0.0376 | 1 | 12/30/2023 22:56 | WG2196251 |
| Benzo(k)fluoranthene | ND | | 0.0376 | 1 | 12/30/2023 22:56 | WG2196251 |
| Chrysene | ND | | 0.0376 | 1 | 12/30/2023 22:56 | WG2196251 |
| Dibenz(a,h)anthracene | ND | | 0.0376 | 1 | 12/30/2023 22:56 | WG2196251 |
| Fluoranthene | ND | | 0.0376 | 1 | 12/30/2023 22:56 | WG2196251 |
| Fluorene | ND | | 0.0376 | 1 | 12/30/2023 22:56 | WG2196251 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0376 | 1 | 12/30/2023 22:56 | WG2196251 |
| Naphthalene | ND | | 0.0376 | 1 | 12/30/2023 22:56 | WG2196251 |
| Phenanthrene | ND | | 0.0376 | 1 | 12/30/2023 22:56 | WG2196251 |
| Pyrene | ND | | 0.0376 | 1 | 12/30/2023 22:56 | WG2196251 |
| (S) Nitrobenzene-d5 | 82.1 | | 22.0-150 | | 12/30/2023 22:56 | WG2196251 |
| (S) 2-Fluorobiphenyl | 72.5 | | 27.0-135 | | 12/30/2023 22:56 | WG2196251 |
| (S) p-Terphenyl-d14 | 68.4 | | 22.0-129 | | 12/30/2023 22:56 | WG2196251 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 79.0 | | 1 | 12/28/2023 06:51 | WG2196574 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 5.73 | | 0.633 | 1 | 12/28/2023 16:25 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|--------------------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.633 | 1 | 12/29/2023 22:24 | WG2198259 |
| Acetone | 0.207 | | 0.0633 | 1 | 12/29/2023 22:24 | WG2198259 |
| Acrylonitrile | ND | | 0.0127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Benzene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Bromobenzene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Bromodichloromethane | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Bromoform | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Bromomethane | ND | | 0.00633 | 1 | 12/29/2023 22:24 | WG2198259 |
| n-Butylbenzene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| sec-Butylbenzene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| tert-Butylbenzene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Carbon tetrachloride | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Chlorobenzene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Chlorodibromomethane | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Chloroethane | ND | | 0.00633 | 1 | 12/29/2023 22:24 | WG2198259 |
| Chloroform | ND | | 0.00633 | 1 | 12/29/2023 22:24 | WG2198259 |
| Chloromethane | ND | | 0.00316 | 1 | 12/29/2023 22:24 | WG2198259 |
| 2-Chlorotoluene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 4-Chlorotoluene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00633 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,2-Dibromoethane | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Dibromomethane | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,2-Dichlorobenzene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,3-Dichlorobenzene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,4-Dichlorobenzene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Dichlorodifluoromethane | ND | | 0.00633 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,1-Dichloroethane | ND | J4 | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,2-Dichloroethane | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,1-Dichloroethene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| cis-1,2-Dichloroethene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| trans-1,2-Dichloroethene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,2-Dichloropropane | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,1-Dichloropropene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,3-Dichloropropane | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| cis-1,3-Dichloropropene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| trans-1,3-Dichloropropene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 2,2-Dichloropropane | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Di-isopropyl ether | ND | J4 | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Ethylbenzene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Hexachloro-1,3-butadiene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Isopropylbenzene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| p-Isopropyltoluene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 2-Butanone (MEK) | ND | | 0.0127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Methylene Chloride | ND | | 0.00633 | 1 | 12/29/2023 22:24 | WG2198259 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0127 | 1 | 12/29/2023 22:24 | WG2198259 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Naphthalene | ND | | 0.00633 | 1 | 12/29/2023 22:24 | WG2198259 |
| n-Propylbenzene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Styrene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Tetrachloroethene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Toluene | ND | | 0.00633 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,2,3-Trichlorobenzene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,2,4-Trichlorobenzene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,1,1-Trichloroethane | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,1,2-Trichloroethane | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Trichloroethene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Trichlorofluoromethane | ND | | 0.00633 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,2,3-Trichloropropane | ND | | 0.00316 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,2,4-Trimethylbenzene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,2,3-Trimethylbenzene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| 1,3,5-Trimethylbenzene | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Vinyl chloride | ND | | 0.00127 | 1 | 12/29/2023 22:24 | WG2198259 |
| Xylenes, Total | ND | | 0.00380 | 1 | 12/29/2023 22:24 | WG2198259 |
| (S) Toluene-d8 | 105 | | 75.0-131 | | 12/29/2023 22:24 | WG2198259 |
| (S) 4-Bromofluorobenzene | 94.6 | | 67.0-138 | | 12/29/2023 22:24 | WG2198259 |
| (S) 1,2-Dichloroethane-d4 | 110 | | 70.0-130 | | 12/29/2023 22:24 | WG2198259 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 12.7 | 1 | 12/30/2023 23:17 | WG2196251 |
| ORO | ND | | 12.7 | 1 | 12/30/2023 23:17 | WG2196251 |
| Anthracene | ND | | 0.0417 | 1 | 12/30/2023 23:17 | WG2196251 |
| Acenaphthene | ND | | 0.0417 | 1 | 12/30/2023 23:17 | WG2196251 |
| Acenaphthylene | ND | | 0.0417 | 1 | 12/30/2023 23:17 | WG2196251 |
| Benzo(a)anthracene | ND | | 0.0417 | 1 | 12/30/2023 23:17 | WG2196251 |
| Benzo(a)pyrene | ND | | 0.0417 | 1 | 12/30/2023 23:17 | WG2196251 |
| Benzo(b)fluoranthene | ND | | 0.0417 | 1 | 12/30/2023 23:17 | WG2196251 |
| Benzo(g,h,i)perylene | ND | | 0.0417 | 1 | 12/30/2023 23:17 | WG2196251 |
| Benzo(k)fluoranthene | ND | | 0.0417 | 1 | 12/30/2023 23:17 | WG2196251 |
| Chrysene | ND | | 0.0417 | 1 | 12/30/2023 23:17 | WG2196251 |
| Dibenz(a,h)anthracene | ND | | 0.0417 | 1 | 12/30/2023 23:17 | WG2196251 |
| Fluoranthene | ND | | 0.0417 | 1 | 12/30/2023 23:17 | WG2196251 |
| Fluorene | ND | | 0.0417 | 1 | 12/30/2023 23:17 | WG2196251 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0417 | 1 | 12/30/2023 23:17 | WG2196251 |
| Naphthalene | ND | | 0.0417 | 1 | 12/30/2023 23:17 | WG2196251 |
| Phenanthrene | ND | | 0.0417 | 1 | 12/30/2023 23:17 | WG2196251 |
| Pyrene | ND | | 0.0417 | 1 | 12/30/2023 23:17 | WG2196251 |
| (S) Nitrobenzene-d5 | 83.4 | | 22.0-150 | | 12/30/2023 23:17 | WG2196251 |
| (S) 2-Fluorobiphenyl | 72.7 | | 27.0-135 | | 12/30/2023 23:17 | WG2196251 |
| (S) p-Terphenyl-d14 | 62.2 | | 22.0-129 | | 12/30/2023 23:17 | WG2196251 |

Total Solids by Method 2540 G-2011

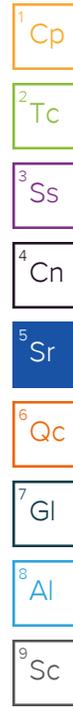
| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 84.4 | | 1 | 12/28/2023 06:51 | WG2196574 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 51.9 | | 0.592 | 1 | 12/28/2023 16:28 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|--------------------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.592 | 1 | 12/29/2023 22:45 | WG2198259 |
| Acetone | 0.118 | | 0.0592 | 1 | 12/29/2023 22:45 | WG2198259 |
| Acrylonitrile | ND | | 0.0118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Benzene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Bromobenzene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Bromodichloromethane | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Bromoform | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Bromomethane | ND | | 0.00592 | 1 | 12/29/2023 22:45 | WG2198259 |
| n-Butylbenzene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| sec-Butylbenzene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| tert-Butylbenzene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Carbon tetrachloride | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Chlorobenzene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Chlorodibromomethane | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Chloroethane | ND | | 0.00592 | 1 | 12/29/2023 22:45 | WG2198259 |
| Chloroform | ND | | 0.00592 | 1 | 12/29/2023 22:45 | WG2198259 |
| Chloromethane | ND | | 0.00296 | 1 | 12/29/2023 22:45 | WG2198259 |
| 2-Chlorotoluene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 4-Chlorotoluene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00592 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,2-Dibromoethane | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Dibromomethane | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,2-Dichlorobenzene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,3-Dichlorobenzene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,4-Dichlorobenzene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Dichlorodifluoromethane | ND | | 0.00592 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,1-Dichloroethane | ND | J4 | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,2-Dichloroethane | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,1-Dichloroethene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| cis-1,2-Dichloroethene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| trans-1,2-Dichloroethene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,2-Dichloropropane | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,1-Dichloropropene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,3-Dichloropropane | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| cis-1,3-Dichloropropene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| trans-1,3-Dichloropropene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 2,2-Dichloropropane | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Di-isopropyl ether | ND | J4 | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Ethylbenzene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Hexachloro-1,3-butadiene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Isopropylbenzene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| p-Isopropyltoluene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 2-Butanone (MEK) | 0.0130 | | 0.0118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Methylene Chloride | ND | | 0.00592 | 1 | 12/29/2023 22:45 | WG2198259 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0118 | 1 | 12/29/2023 22:45 | WG2198259 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Naphthalene | ND | | 0.00592 | 1 | 12/29/2023 22:45 | WG2198259 |
| n-Propylbenzene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Styrene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Tetrachloroethene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Toluene | ND | | 0.00592 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,2,3-Trichlorobenzene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,2,4-Trichlorobenzene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,1,1-Trichloroethane | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,1,2-Trichloroethane | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Trichloroethene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Trichlorofluoromethane | ND | | 0.00592 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,2,3-Trichloropropane | ND | | 0.00296 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,2,4-Trimethylbenzene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,2,3-Trimethylbenzene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| 1,3,5-Trimethylbenzene | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Vinyl chloride | ND | | 0.00118 | 1 | 12/29/2023 22:45 | WG2198259 |
| Xylenes, Total | ND | | 0.00355 | 1 | 12/29/2023 22:45 | WG2198259 |
| (S) Toluene-d8 | 101 | | 75.0-131 | | 12/29/2023 22:45 | WG2198259 |
| (S) 4-Bromofluorobenzene | 93.5 | | 67.0-138 | | 12/29/2023 22:45 | WG2198259 |
| (S) 1,2-Dichloroethane-d4 | 110 | | 70.0-130 | | 12/29/2023 22:45 | WG2198259 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 11.8 | 1 | 01/03/2024 02:35 | WG2196251 |
| ORO | ND | | 11.8 | 1 | 01/03/2024 02:35 | WG2196251 |
| Anthracene | ND | | 0.0391 | 1 | 01/03/2024 02:35 | WG2196251 |
| Acenaphthene | ND | | 0.0391 | 1 | 01/03/2024 02:35 | WG2196251 |
| Acenaphthylene | ND | | 0.0391 | 1 | 01/03/2024 02:35 | WG2196251 |
| Benzo(a)anthracene | ND | | 0.0391 | 1 | 01/03/2024 02:35 | WG2196251 |
| Benzo(a)pyrene | ND | | 0.0391 | 1 | 01/03/2024 02:35 | WG2196251 |
| Benzo(b)fluoranthene | ND | | 0.0391 | 1 | 01/03/2024 02:35 | WG2196251 |
| Benzo(g,h,i)perylene | ND | | 0.0391 | 1 | 01/03/2024 02:35 | WG2196251 |
| Benzo(k)fluoranthene | ND | | 0.0391 | 1 | 01/03/2024 02:35 | WG2196251 |
| Chrysene | ND | | 0.0391 | 1 | 01/03/2024 02:35 | WG2196251 |
| Dibenz(a,h)anthracene | ND | | 0.0391 | 1 | 01/03/2024 02:35 | WG2196251 |
| Fluoranthene | ND | | 0.0391 | 1 | 01/03/2024 02:35 | WG2196251 |
| Fluorene | ND | | 0.0391 | 1 | 01/03/2024 02:35 | WG2196251 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0391 | 1 | 01/03/2024 02:35 | WG2196251 |
| Naphthalene | ND | | 0.0391 | 1 | 01/03/2024 02:35 | WG2196251 |
| Phenanthrene | ND | | 0.0391 | 1 | 01/03/2024 02:35 | WG2196251 |
| Pyrene | ND | | 0.0391 | 1 | 01/03/2024 02:35 | WG2196251 |
| (S) Nitrobenzene-d5 | 90.0 | | 22.0-150 | | 01/03/2024 02:35 | WG2196251 |
| (S) 2-Fluorobiphenyl | 70.2 | | 27.0-135 | | 01/03/2024 02:35 | WG2196251 |
| (S) p-Terphenyl-d14 | 66.0 | | 22.0-129 | | 01/03/2024 02:35 | WG2196251 |

Total Solids by Method 2540 G-2011

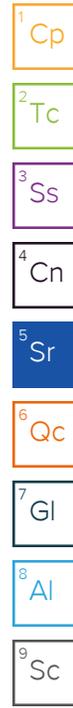
| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 74.6 | | 1 | 12/28/2023 06:51 | WG2196574 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 17.0 | | 0.670 | 1 | 12/28/2023 16:31 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|--------------------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.670 | 1 | 12/29/2023 23:06 | WG2198259 |
| Acetone | 0.0713 | | 0.0670 | 1 | 12/29/2023 23:06 | WG2198259 |
| Acrylonitrile | ND | | 0.0134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Benzene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Bromobenzene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Bromodichloromethane | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Bromoform | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Bromomethane | ND | | 0.00670 | 1 | 12/29/2023 23:06 | WG2198259 |
| n-Butylbenzene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| sec-Butylbenzene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| tert-Butylbenzene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Carbon tetrachloride | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Chlorobenzene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Chlorodibromomethane | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Chloroethane | ND | | 0.00670 | 1 | 12/29/2023 23:06 | WG2198259 |
| Chloroform | ND | | 0.00670 | 1 | 12/29/2023 23:06 | WG2198259 |
| Chloromethane | ND | | 0.00335 | 1 | 12/29/2023 23:06 | WG2198259 |
| 2-Chlorotoluene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 4-Chlorotoluene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00670 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,2-Dibromoethane | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Dibromomethane | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,2-Dichlorobenzene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,3-Dichlorobenzene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,4-Dichlorobenzene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Dichlorodifluoromethane | ND | | 0.00670 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,1-Dichloroethane | ND | J4 | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,2-Dichloroethane | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,1-Dichloroethene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| cis-1,2-Dichloroethene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| trans-1,2-Dichloroethene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,2-Dichloropropane | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,1-Dichloropropene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,3-Dichloropropane | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| cis-1,3-Dichloropropene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| trans-1,3-Dichloropropene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 2,2-Dichloropropane | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Di-isopropyl ether | ND | J4 | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Ethylbenzene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Hexachloro-1,3-butadiene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Isopropylbenzene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| p-Isopropyltoluene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 2-Butanone (MEK) | ND | | 0.0134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Methylene Chloride | ND | | 0.00670 | 1 | 12/29/2023 23:06 | WG2198259 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0134 | 1 | 12/29/2023 23:06 | WG2198259 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Naphthalene | ND | | 0.00670 | 1 | 12/29/2023 23:06 | WG2198259 |
| n-Propylbenzene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Styrene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Tetrachloroethene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Toluene | ND | | 0.00670 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,2,3-Trichlorobenzene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,2,4-Trichlorobenzene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,1,1-Trichloroethane | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,1,2-Trichloroethane | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Trichloroethene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Trichlorofluoromethane | ND | | 0.00670 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,2,3-Trichloropropane | ND | | 0.00335 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,2,4-Trimethylbenzene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,2,3-Trimethylbenzene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| 1,3,5-Trimethylbenzene | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Vinyl chloride | ND | | 0.00134 | 1 | 12/29/2023 23:06 | WG2198259 |
| Xylenes, Total | ND | | 0.00402 | 1 | 12/29/2023 23:06 | WG2198259 |
| (S) Toluene-d8 | 110 | | 75.0-131 | | 12/29/2023 23:06 | WG2198259 |
| (S) 4-Bromofluorobenzene | 95.1 | | 67.0-138 | | 12/29/2023 23:06 | WG2198259 |
| (S) 1,2-Dichloroethane-d4 | 108 | | 70.0-130 | | 12/29/2023 23:06 | WG2198259 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 13.4 | 1 | 12/30/2023 23:39 | WG2196251 |
| ORO | ND | | 13.4 | 1 | 12/30/2023 23:39 | WG2196251 |
| Anthracene | ND | | 0.0442 | 1 | 12/30/2023 23:39 | WG2196251 |
| Acenaphthene | ND | | 0.0442 | 1 | 12/30/2023 23:39 | WG2196251 |
| Acenaphthylene | ND | | 0.0442 | 1 | 12/30/2023 23:39 | WG2196251 |
| Benzo(a)anthracene | ND | | 0.0442 | 1 | 12/30/2023 23:39 | WG2196251 |
| Benzo(a)pyrene | ND | | 0.0442 | 1 | 12/30/2023 23:39 | WG2196251 |
| Benzo(b)fluoranthene | ND | | 0.0442 | 1 | 12/30/2023 23:39 | WG2196251 |
| Benzo(g,h,i)perylene | ND | | 0.0442 | 1 | 12/30/2023 23:39 | WG2196251 |
| Benzo(k)fluoranthene | ND | | 0.0442 | 1 | 12/30/2023 23:39 | WG2196251 |
| Chrysene | ND | | 0.0442 | 1 | 12/30/2023 23:39 | WG2196251 |
| Dibenz(a,h)anthracene | ND | | 0.0442 | 1 | 12/30/2023 23:39 | WG2196251 |
| Fluoranthene | ND | | 0.0442 | 1 | 12/30/2023 23:39 | WG2196251 |
| Fluorene | ND | | 0.0442 | 1 | 12/30/2023 23:39 | WG2196251 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0442 | 1 | 12/30/2023 23:39 | WG2196251 |
| Naphthalene | ND | | 0.0442 | 1 | 12/30/2023 23:39 | WG2196251 |
| Phenanthrene | ND | | 0.0442 | 1 | 12/30/2023 23:39 | WG2196251 |
| Pyrene | ND | | 0.0442 | 1 | 12/30/2023 23:39 | WG2196251 |
| (S) Nitrobenzene-d5 | 85.6 | | 22.0-150 | | 12/30/2023 23:39 | WG2196251 |
| (S) 2-Fluorobiphenyl | 75.4 | | 27.0-135 | | 12/30/2023 23:39 | WG2196251 |
| (S) p-Terphenyl-d14 | 71.7 | | 22.0-129 | | 12/30/2023 23:39 | WG2196251 |

Total Solids by Method 2540 G-2011

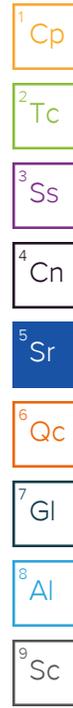
| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 88.6 | | 1 | 12/28/2023 06:51 | WG2196574 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 105 | | 0.564 | 1 | 12/28/2023 16:34 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|--------------------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.564 | 1 | 12/29/2023 23:27 | WG2198259 |
| Acetone | 0.0603 | | 0.0564 | 1 | 12/29/2023 23:27 | WG2198259 |
| Acrylonitrile | ND | | 0.0113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Benzene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Bromobenzene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Bromodichloromethane | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Bromoform | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Bromomethane | ND | | 0.00564 | 1 | 12/29/2023 23:27 | WG2198259 |
| n-Butylbenzene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| sec-Butylbenzene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| tert-Butylbenzene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Carbon tetrachloride | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Chlorobenzene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Chlorodibromomethane | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Chloroethane | ND | | 0.00564 | 1 | 12/29/2023 23:27 | WG2198259 |
| Chloroform | ND | | 0.00564 | 1 | 12/29/2023 23:27 | WG2198259 |
| Chloromethane | ND | | 0.00282 | 1 | 12/29/2023 23:27 | WG2198259 |
| 2-Chlorotoluene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 4-Chlorotoluene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00564 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,2-Dibromoethane | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Dibromomethane | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,2-Dichlorobenzene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,3-Dichlorobenzene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,4-Dichlorobenzene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Dichlorodifluoromethane | ND | | 0.00564 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,1-Dichloroethane | ND | J4 | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,2-Dichloroethane | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,1-Dichloroethene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| cis-1,2-Dichloroethene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| trans-1,2-Dichloroethene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,2-Dichloropropane | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,1-Dichloropropene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,3-Dichloropropane | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| cis-1,3-Dichloropropene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| trans-1,3-Dichloropropene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 2,2-Dichloropropane | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Di-isopropyl ether | ND | J4 | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Ethylbenzene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Hexachloro-1,3-butadiene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Isopropylbenzene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| p-Isopropyltoluene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 2-Butanone (MEK) | ND | | 0.0113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Methylene Chloride | ND | | 0.00564 | 1 | 12/29/2023 23:27 | WG2198259 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0113 | 1 | 12/29/2023 23:27 | WG2198259 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Naphthalene | ND | | 0.00564 | 1 | 12/29/2023 23:27 | WG2198259 |
| n-Propylbenzene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Styrene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Tetrachloroethene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Toluene | ND | | 0.00564 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,2,3-Trichlorobenzene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,2,4-Trichlorobenzene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,1,1-Trichloroethane | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,1,2-Trichloroethane | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Trichloroethene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Trichlorofluoromethane | ND | | 0.00564 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,2,3-Trichloropropane | ND | | 0.00282 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,2,4-Trimethylbenzene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,2,3-Trimethylbenzene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| 1,3,5-Trimethylbenzene | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Vinyl chloride | ND | | 0.00113 | 1 | 12/29/2023 23:27 | WG2198259 |
| Xylenes, Total | ND | | 0.00339 | 1 | 12/29/2023 23:27 | WG2198259 |
| (S) Toluene-d8 | 105 | | 75.0-131 | | 12/29/2023 23:27 | WG2198259 |
| (S) 4-Bromofluorobenzene | 90.9 | | 67.0-138 | | 12/29/2023 23:27 | WG2198259 |
| (S) 1,2-Dichloroethane-d4 | 109 | | 70.0-130 | | 12/29/2023 23:27 | WG2198259 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 11.3 | 1 | 01/03/2024 17:31 | WG2196251 |
| ORO | 23.4 | | 11.3 | 1 | 01/03/2024 17:31 | WG2196251 |
| Anthracene | 0.182 | | 0.0373 | 1 | 01/03/2024 17:31 | WG2196251 |
| Acenaphthene | 0.102 | | 0.0373 | 1 | 01/03/2024 17:31 | WG2196251 |
| Acenaphthylene | ND | | 0.0373 | 1 | 01/03/2024 17:31 | WG2196251 |
| Benzo(a)anthracene | 0.391 | | 0.0373 | 1 | 01/03/2024 17:31 | WG2196251 |
| Benzo(a)pyrene | 0.344 | | 0.0373 | 1 | 01/03/2024 17:31 | WG2196251 |
| Benzo(b)fluoranthene | 0.428 | | 0.0373 | 1 | 01/03/2024 17:31 | WG2196251 |
| Benzo(g,h,i)perylene | 0.167 | | 0.0373 | 1 | 01/03/2024 17:31 | WG2196251 |
| Benzo(k)fluoranthene | 0.163 | | 0.0373 | 1 | 01/03/2024 17:31 | WG2196251 |
| Chrysene | 0.418 | | 0.0373 | 1 | 01/03/2024 17:31 | WG2196251 |
| Dibenz(a,h)anthracene | 0.0555 | | 0.0373 | 1 | 01/03/2024 17:31 | WG2196251 |
| Fluoranthene | 0.953 | | 0.0373 | 1 | 01/03/2024 17:31 | WG2196251 |
| Fluorene | 0.101 | | 0.0373 | 1 | 01/03/2024 17:31 | WG2196251 |
| Indeno(1,2,3-cd)pyrene | 0.207 | | 0.0373 | 1 | 01/03/2024 17:31 | WG2196251 |
| Naphthalene | ND | | 0.0373 | 1 | 01/03/2024 17:31 | WG2196251 |
| Phenanthrene | 0.795 | | 0.0373 | 1 | 01/03/2024 17:31 | WG2196251 |
| Pyrene | 0.721 | | 0.0373 | 1 | 01/03/2024 17:31 | WG2196251 |
| (S) Nitrobenzene-d5 | 60.8 | | 22.0-150 | | 01/03/2024 17:31 | WG2196251 |
| (S) 2-Fluorobiphenyl | 61.0 | | 27.0-135 | | 01/03/2024 17:31 | WG2196251 |
| (S) p-Terphenyl-d14 | 62.1 | | 22.0-129 | | 01/03/2024 17:31 | WG2196251 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 76.1 | | 1 | 12/28/2023 06:51 | WG2196574 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 16.1 | | 0.657 | 1 | 12/28/2023 16:37 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.657 | 1 | 12/30/2023 17:45 | WG2198743 |
| Acetone | 0.347 | | 0.0657 | 1 | 12/30/2023 17:45 | WG2198743 |
| Acrylonitrile | ND | | 0.0131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Benzene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Bromobenzene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Bromodichloromethane | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Bromoform | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Bromomethane | ND | | 0.00657 | 1 | 12/30/2023 17:45 | WG2198743 |
| n-Butylbenzene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| sec-Butylbenzene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| tert-Butylbenzene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Carbon tetrachloride | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Chlorobenzene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Chlorodibromomethane | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Chloroethane | ND | | 0.00657 | 1 | 12/30/2023 17:45 | WG2198743 |
| Chloroform | ND | | 0.00657 | 1 | 12/30/2023 17:45 | WG2198743 |
| Chloromethane | ND | | 0.00329 | 1 | 12/30/2023 17:45 | WG2198743 |
| 2-Chlorotoluene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 4-Chlorotoluene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00657 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,2-Dibromoethane | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Dibromomethane | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,2-Dichlorobenzene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,3-Dichlorobenzene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,4-Dichlorobenzene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Dichlorodifluoromethane | ND | | 0.00657 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,1-Dichloroethane | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,2-Dichloroethane | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,1-Dichloroethene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| cis-1,2-Dichloroethene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| trans-1,2-Dichloroethene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,2-Dichloropropane | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,1-Dichloropropene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,3-Dichloropropane | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| cis-1,3-Dichloropropene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| trans-1,3-Dichloropropene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 2,2-Dichloropropane | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Di-isopropyl ether | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Ethylbenzene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Hexachloro-1,3-butadiene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Isopropylbenzene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| p-Isopropyltoluene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 2-Butanone (MEK) | 0.0515 | | 0.0131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Methylene Chloride | ND | | 0.00657 | 1 | 12/30/2023 17:45 | WG2198743 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0131 | 1 | 12/30/2023 17:45 | WG2198743 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Naphthalene | ND | | 0.00657 | 1 | 12/30/2023 17:45 | WG2198743 |
| n-Propylbenzene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Styrene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Tetrachloroethene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Toluene | ND | | 0.00657 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,2,3-Trichlorobenzene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,2,4-Trichlorobenzene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,1,1-Trichloroethane | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,1,2-Trichloroethane | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Trichloroethene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Trichlorofluoromethane | ND | | 0.00657 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,2,3-Trichloropropane | ND | | 0.00329 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,2,4-Trimethylbenzene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,2,3-Trimethylbenzene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| 1,3,5-Trimethylbenzene | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Vinyl chloride | ND | | 0.00131 | 1 | 12/30/2023 17:45 | WG2198743 |
| Xylenes, Total | ND | | 0.00394 | 1 | 12/30/2023 17:45 | WG2198743 |
| (S) Toluene-d8 | 88.4 | | 75.0-131 | | 12/30/2023 17:45 | WG2198743 |
| (S) 4-Bromofluorobenzene | 81.1 | | 67.0-138 | | 12/30/2023 17:45 | WG2198743 |
| (S) 1,2-Dichloroethane-d4 | 108 | | 70.0-130 | | 12/30/2023 17:45 | WG2198743 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 13.1 | 1 | 12/31/2023 00:00 | WG2196251 |
| ORO | ND | | 13.1 | 1 | 12/31/2023 00:00 | WG2196251 |
| Anthracene | ND | | 0.0434 | 1 | 12/31/2023 00:00 | WG2196251 |
| Acenaphthene | ND | | 0.0434 | 1 | 12/31/2023 00:00 | WG2196251 |
| Acenaphthylene | ND | | 0.0434 | 1 | 12/31/2023 00:00 | WG2196251 |
| Benzo(a)anthracene | ND | | 0.0434 | 1 | 12/31/2023 00:00 | WG2196251 |
| Benzo(a)pyrene | ND | | 0.0434 | 1 | 12/31/2023 00:00 | WG2196251 |
| Benzo(b)fluoranthene | ND | | 0.0434 | 1 | 12/31/2023 00:00 | WG2196251 |
| Benzo(g,h,i)perylene | ND | | 0.0434 | 1 | 12/31/2023 00:00 | WG2196251 |
| Benzo(k)fluoranthene | ND | | 0.0434 | 1 | 12/31/2023 00:00 | WG2196251 |
| Chrysene | ND | | 0.0434 | 1 | 12/31/2023 00:00 | WG2196251 |
| Dibenz(a,h)anthracene | ND | | 0.0434 | 1 | 12/31/2023 00:00 | WG2196251 |
| Fluoranthene | ND | | 0.0434 | 1 | 12/31/2023 00:00 | WG2196251 |
| Fluorene | ND | | 0.0434 | 1 | 12/31/2023 00:00 | WG2196251 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0434 | 1 | 12/31/2023 00:00 | WG2196251 |
| Naphthalene | ND | | 0.0434 | 1 | 12/31/2023 00:00 | WG2196251 |
| Phenanthrene | ND | | 0.0434 | 1 | 12/31/2023 00:00 | WG2196251 |
| Pyrene | ND | | 0.0434 | 1 | 12/31/2023 00:00 | WG2196251 |
| (S) Nitrobenzene-d5 | 77.6 | | 22.0-150 | | 12/31/2023 00:00 | WG2196251 |
| (S) 2-Fluorobiphenyl | 59.7 | | 27.0-135 | | 12/31/2023 00:00 | WG2196251 |
| (S) p-Terphenyl-d14 | 65.3 | | 22.0-129 | | 12/31/2023 00:00 | WG2196251 |

Total Solids by Method 2540 G-2011

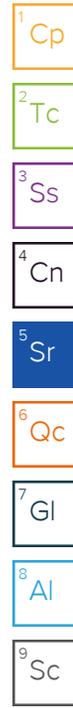
| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| Total Solids | 81.6 | | 1 | 12/28/2023 07:04 | WG2196738 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| Lead | 15.8 | | 0.612 | 1 | 12/28/2023 16:40 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| TPH (GC/MS) Low Fraction | ND | | 0.735 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Acetone | 0.100 | | 0.0735 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Acrylonitrile | ND | | 0.0147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Benzene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Bromobenzene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Bromodichloromethane | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Bromoform | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Bromomethane | ND | | 0.00735 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| n-Butylbenzene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| sec-Butylbenzene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| tert-Butylbenzene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Carbon tetrachloride | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Chlorobenzene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Chlorodibromomethane | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Chloroethane | ND | | 0.00735 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Chloroform | ND | | 0.00735 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Chloromethane | ND | | 0.00367 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 2-Chlorotoluene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 4-Chlorotoluene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00735 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,2-Dibromoethane | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Dibromomethane | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,2-Dichlorobenzene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,3-Dichlorobenzene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,4-Dichlorobenzene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Dichlorodifluoromethane | ND | | 0.00735 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,1-Dichloroethane | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,2-Dichloroethane | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,1-Dichloroethene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| cis-1,2-Dichloroethene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| trans-1,2-Dichloroethene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,2-Dichloropropane | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,1-Dichloropropene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,3-Dichloropropane | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| cis-1,3-Dichloropropene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| trans-1,3-Dichloropropene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 2,2-Dichloropropane | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Di-isopropyl ether | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Ethylbenzene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Hexachloro-1,3-butadiene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Isopropylbenzene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| p-Isopropyltoluene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 2-Butanone (MEK) | ND | | 0.0147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Methylene Chloride | ND | | 0.00735 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0147 | 1.2 | 12/30/2023 18:06 | WG2198743 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Naphthalene | ND | | 0.00735 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| n-Propylbenzene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Styrene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Tetrachloroethene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Toluene | ND | | 0.00735 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,2,3-Trichlorobenzene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,2,4-Trichlorobenzene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,1,1-Trichloroethane | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,1,2-Trichloroethane | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Trichloroethene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Trichlorofluoromethane | ND | | 0.00735 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,2,3-Trichloropropane | ND | | 0.00367 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,2,4-Trimethylbenzene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,2,3-Trimethylbenzene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| 1,3,5-Trimethylbenzene | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Vinyl chloride | ND | | 0.00147 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| Xylenes, Total | ND | | 0.00441 | 1.2 | 12/30/2023 18:06 | WG2198743 |
| (S) Toluene-d8 | 106 | | 75.0-131 | | 12/30/2023 18:06 | WG2198743 |
| (S) 4-Bromofluorobenzene | 91.4 | | 67.0-138 | | 12/30/2023 18:06 | WG2198743 |
| (S) 1,2-Dichloroethane-d4 | 112 | | 70.0-130 | | 12/30/2023 18:06 | WG2198743 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 12.2 | 1 | 12/31/2023 00:21 | WG2196251 |
| ORO | ND | | 12.2 | 1 | 12/31/2023 00:21 | WG2196251 |
| Anthracene | ND | | 0.0404 | 1 | 12/31/2023 00:21 | WG2196251 |
| Acenaphthene | ND | | 0.0404 | 1 | 12/31/2023 00:21 | WG2196251 |
| Acenaphthylene | ND | | 0.0404 | 1 | 12/31/2023 00:21 | WG2196251 |
| Benzo(a)anthracene | ND | | 0.0404 | 1 | 12/31/2023 00:21 | WG2196251 |
| Benzo(a)pyrene | ND | | 0.0404 | 1 | 12/31/2023 00:21 | WG2196251 |
| Benzo(b)fluoranthene | ND | | 0.0404 | 1 | 12/31/2023 00:21 | WG2196251 |
| Benzo(g,h,i)perylene | ND | | 0.0404 | 1 | 12/31/2023 00:21 | WG2196251 |
| Benzo(k)fluoranthene | ND | | 0.0404 | 1 | 12/31/2023 00:21 | WG2196251 |
| Chrysene | ND | | 0.0404 | 1 | 12/31/2023 00:21 | WG2196251 |
| Dibenz(a,h)anthracene | ND | | 0.0404 | 1 | 12/31/2023 00:21 | WG2196251 |
| Fluoranthene | ND | | 0.0404 | 1 | 12/31/2023 00:21 | WG2196251 |
| Fluorene | ND | | 0.0404 | 1 | 12/31/2023 00:21 | WG2196251 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0404 | 1 | 12/31/2023 00:21 | WG2196251 |
| Naphthalene | ND | | 0.0404 | 1 | 12/31/2023 00:21 | WG2196251 |
| Phenanthrene | ND | | 0.0404 | 1 | 12/31/2023 00:21 | WG2196251 |
| Pyrene | ND | | 0.0404 | 1 | 12/31/2023 00:21 | WG2196251 |
| (S) Nitrobenzene-d5 | 76.1 | | 22.0-150 | | 12/31/2023 00:21 | WG2196251 |
| (S) 2-Fluorobiphenyl | 59.9 | | 27.0-135 | | 12/31/2023 00:21 | WG2196251 |
| (S) p-Terphenyl-d14 | 55.4 | | 22.0-129 | | 12/31/2023 00:21 | WG2196251 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 93.0 | | 1 | 12/28/2023 07:04 | WG2196738 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 6.49 | | 0.538 | 1 | 12/28/2023 16:43 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.543 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Acetone | 0.242 | | 0.0543 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Acrylonitrile | ND | | 0.0109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Benzene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Bromobenzene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Bromodichloromethane | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Bromoform | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Bromomethane | ND | | 0.00543 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| n-Butylbenzene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| sec-Butylbenzene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| tert-Butylbenzene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Carbon tetrachloride | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Chlorobenzene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Chlorodibromomethane | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Chloroethane | ND | | 0.00543 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Chloroform | ND | | 0.00543 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Chloromethane | ND | | 0.00272 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 2-Chlorotoluene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 4-Chlorotoluene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00543 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,2-Dibromoethane | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Dibromomethane | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,2-Dichlorobenzene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,3-Dichlorobenzene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,4-Dichlorobenzene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Dichlorodifluoromethane | ND | | 0.00543 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,1-Dichloroethane | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,2-Dichloroethane | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,1-Dichloroethene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| cis-1,2-Dichloroethene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| trans-1,2-Dichloroethene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,2-Dichloropropane | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,1-Dichloropropene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,3-Dichloropropane | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| cis-1,3-Dichloropropene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| trans-1,3-Dichloropropene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 2,2-Dichloropropane | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Di-isopropyl ether | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Ethylbenzene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Hexachloro-1,3-butadiene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Isopropylbenzene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| p-Isopropyltoluene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 2-Butanone (MEK) | 0.0366 | | 0.0109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Methylene Chloride | ND | | 0.00543 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0109 | 1.01 | 12/30/2023 18:27 | WG2198743 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Naphthalene | ND | | 0.00543 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| n-Propylbenzene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Styrene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Tetrachloroethene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Toluene | ND | | 0.00543 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,2,3-Trichlorobenzene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,2,4-Trichlorobenzene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,1,1-Trichloroethane | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,1,2-Trichloroethane | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Trichloroethene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Trichlorofluoromethane | ND | | 0.00543 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,2,3-Trichloropropane | ND | | 0.00272 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,2,4-Trimethylbenzene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,2,3-Trimethylbenzene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| 1,3,5-Trimethylbenzene | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Vinyl chloride | ND | | 0.00109 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| Xylenes, Total | ND | | 0.00326 | 1.01 | 12/30/2023 18:27 | WG2198743 |
| (S) Toluene-d8 | 96.7 | | 75.0-131 | | 12/30/2023 18:27 | WG2198743 |
| (S) 4-Bromofluorobenzene | 87.3 | | 67.0-138 | | 12/30/2023 18:27 | WG2198743 |
| (S) 1,2-Dichloroethane-d4 | 110 | | 70.0-130 | | 12/30/2023 18:27 | WG2198743 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 10.8 | 1 | 12/31/2023 00:42 | WG2196251 |
| ORO | ND | | 10.8 | 1 | 12/31/2023 00:42 | WG2196251 |
| Anthracene | ND | | 0.0355 | 1 | 12/31/2023 00:42 | WG2196251 |
| Acenaphthene | ND | | 0.0355 | 1 | 12/31/2023 00:42 | WG2196251 |
| Acenaphthylene | ND | | 0.0355 | 1 | 12/31/2023 00:42 | WG2196251 |
| Benzo(a)anthracene | ND | | 0.0355 | 1 | 12/31/2023 00:42 | WG2196251 |
| Benzo(a)pyrene | ND | | 0.0355 | 1 | 12/31/2023 00:42 | WG2196251 |
| Benzo(b)fluoranthene | ND | | 0.0355 | 1 | 12/31/2023 00:42 | WG2196251 |
| Benzo(g,h,i)perylene | ND | | 0.0355 | 1 | 12/31/2023 00:42 | WG2196251 |
| Benzo(k)fluoranthene | ND | | 0.0355 | 1 | 12/31/2023 00:42 | WG2196251 |
| Chrysene | ND | | 0.0355 | 1 | 12/31/2023 00:42 | WG2196251 |
| Dibenz(a,h)anthracene | ND | | 0.0355 | 1 | 12/31/2023 00:42 | WG2196251 |
| Fluoranthene | ND | | 0.0355 | 1 | 12/31/2023 00:42 | WG2196251 |
| Fluorene | ND | | 0.0355 | 1 | 12/31/2023 00:42 | WG2196251 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0355 | 1 | 12/31/2023 00:42 | WG2196251 |
| Naphthalene | ND | | 0.0355 | 1 | 12/31/2023 00:42 | WG2196251 |
| Phenanthrene | ND | | 0.0355 | 1 | 12/31/2023 00:42 | WG2196251 |
| Pyrene | ND | | 0.0355 | 1 | 12/31/2023 00:42 | WG2196251 |
| (S) Nitrobenzene-d5 | 66.6 | | 22.0-150 | | 12/31/2023 00:42 | WG2196251 |
| (S) 2-Fluorobiphenyl | 61.6 | | 27.0-135 | | 12/31/2023 00:42 | WG2196251 |
| (S) p-Terphenyl-d14 | 60.2 | | 22.0-129 | | 12/31/2023 00:42 | WG2196251 |

Total Solids by Method 2540 G-2011

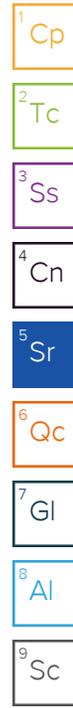
| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| Total Solids | 87.1 | | 1 | 12/28/2023 07:04 | WG2196738 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| Lead | 31.0 | | 0.574 | 1 | 12/28/2023 16:46 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| TPH (GC/MS) Low Fraction | ND | | 0.660 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Acetone | 0.176 | | 0.0660 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Acrylonitrile | ND | | 0.0132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Benzene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Bromobenzene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Bromodichloromethane | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Bromoform | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Bromomethane | ND | | 0.00660 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| n-Butylbenzene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| sec-Butylbenzene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| tert-Butylbenzene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Carbon tetrachloride | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Chlorobenzene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Chlorodibromomethane | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Chloroethane | ND | | 0.00660 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Chloroform | ND | | 0.00660 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Chloromethane | ND | | 0.00331 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 2-Chlorotoluene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 4-Chlorotoluene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00660 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,2-Dibromoethane | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Dibromomethane | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,2-Dichlorobenzene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,3-Dichlorobenzene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,4-Dichlorobenzene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Dichlorodifluoromethane | ND | | 0.00660 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,1-Dichloroethane | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,2-Dichloroethane | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,1-Dichloroethene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| cis-1,2-Dichloroethene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| trans-1,2-Dichloroethene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,2-Dichloropropane | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,1-Dichloropropene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,3-Dichloropropane | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| cis-1,3-Dichloropropene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| trans-1,3-Dichloropropene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 2,2-Dichloropropane | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Di-isopropyl ether | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Ethylbenzene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Hexachloro-1,3-butadiene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Isopropylbenzene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| p-Isopropyltoluene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 2-Butanone (MEK) | ND | | 0.0132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Methylene Chloride | ND | | 0.00660 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0132 | 1.15 | 12/30/2023 18:48 | WG2198743 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Naphthalene | ND | | 0.00660 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| n-Propylbenzene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Styrene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Tetrachloroethene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Toluene | ND | | 0.00660 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,2,3-Trichlorobenzene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,2,4-Trichlorobenzene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,1,1-Trichloroethane | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,1,2-Trichloroethane | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Trichloroethene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Trichlorofluoromethane | ND | | 0.00660 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,2,3-Trichloropropane | ND | | 0.00331 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,2,4-Trimethylbenzene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,2,3-Trimethylbenzene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| 1,3,5-Trimethylbenzene | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Vinyl chloride | ND | | 0.00132 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| Xylenes, Total | ND | | 0.00396 | 1.15 | 12/30/2023 18:48 | WG2198743 |
| (S) Toluene-d8 | 104 | | 75.0-131 | | 12/30/2023 18:48 | WG2198743 |
| (S) 4-Bromofluorobenzene | 93.3 | | 67.0-138 | | 12/30/2023 18:48 | WG2198743 |
| (S) 1,2-Dichloroethane-d4 | 109 | | 70.0-130 | | 12/30/2023 18:48 | WG2198743 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | 19.6 | | 11.5 | 1 | 01/03/2024 17:52 | WG2196251 |
| ORO | 41.8 | | 11.5 | 1 | 01/03/2024 17:52 | WG2196251 |
| Anthracene | 1.01 | | 0.0379 | 1 | 01/03/2024 17:52 | WG2196251 |
| Acenaphthene | 0.442 | | 0.0379 | 1 | 01/03/2024 17:52 | WG2196251 |
| Acenaphthylene | ND | | 0.0379 | 1 | 01/03/2024 17:52 | WG2196251 |
| Benzo(a)anthracene | 2.05 | | 0.0379 | 1 | 01/03/2024 17:52 | WG2196251 |
| Benzo(a)pyrene | 1.70 | | 0.0379 | 1 | 01/03/2024 17:52 | WG2196251 |
| Benzo(b)fluoranthene | 1.99 | | 0.0379 | 1 | 01/03/2024 17:52 | WG2196251 |
| Benzo(g,h,i)perylene | 0.600 | | 0.0379 | 1 | 01/03/2024 17:52 | WG2196251 |
| Benzo(k)fluoranthene | 0.777 | | 0.0379 | 1 | 01/03/2024 17:52 | WG2196251 |
| Chrysene | 1.95 | | 0.0379 | 1 | 01/03/2024 17:52 | WG2196251 |
| Dibenz(a,h)anthracene | 0.180 | | 0.0379 | 1 | 01/03/2024 17:52 | WG2196251 |
| Fluoranthene | 4.17 | | 0.379 | 10 | 01/04/2024 17:20 | WG2196251 |
| Fluorene | 0.493 | | 0.0379 | 1 | 01/03/2024 17:52 | WG2196251 |
| Indeno(1,2,3-cd)pyrene | 0.866 | | 0.0379 | 1 | 01/03/2024 17:52 | WG2196251 |
| Naphthalene | 0.137 | | 0.0379 | 1 | 01/03/2024 17:52 | WG2196251 |
| Phenanthrene | 4.31 | | 0.0379 | 1 | 01/03/2024 17:52 | WG2196251 |
| Pyrene | 4.00 | | 0.0379 | 1 | 01/03/2024 17:52 | WG2196251 |
| (S) Nitrobenzene-d5 | 57.8 | | 22.0-150 | | 01/03/2024 17:52 | WG2196251 |
| (S) 2-Fluorobiphenyl | 51.0 | | 27.0-135 | | 01/03/2024 17:52 | WG2196251 |
| (S) p-Terphenyl-d14 | 50.5 | | 22.0-129 | | 01/03/2024 17:52 | WG2196251 |

Total Solids by Method 2540 G-2011

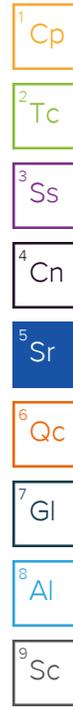
| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 75.1 | | 1 | 12/28/2023 07:04 | WG2196738 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 28.8 | | 0.666 | 1 | 12/28/2023 16:49 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.699 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Acetone | 0.921 | E | 0.0699 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Acrylonitrile | ND | | 0.0140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Benzene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Bromobenzene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Bromodichloromethane | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Bromoform | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Bromomethane | ND | | 0.00699 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| n-Butylbenzene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| sec-Butylbenzene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| tert-Butylbenzene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Carbon tetrachloride | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Chlorobenzene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Chlorodibromomethane | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Chloroethane | ND | | 0.00699 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Chloroform | ND | | 0.00699 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Chloromethane | ND | | 0.00350 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 2-Chlorotoluene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 4-Chlorotoluene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00699 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,2-Dibromoethane | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Dibromomethane | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,2-Dichlorobenzene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,3-Dichlorobenzene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,4-Dichlorobenzene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Dichlorodifluoromethane | ND | | 0.00699 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,1-Dichloroethane | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,2-Dichloroethane | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,1-Dichloroethene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| cis-1,2-Dichloroethene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| trans-1,2-Dichloroethene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,2-Dichloropropane | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,1-Dichloropropene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,3-Dichloropropane | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| cis-1,3-Dichloropropene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| trans-1,3-Dichloropropene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 2,2-Dichloropropane | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Di-isopropyl ether | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Ethylbenzene | 0.00149 | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Hexachloro-1,3-butadiene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Isopropylbenzene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| p-Isopropyltoluene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 2-Butanone (MEK) | 0.0662 | | 0.0140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Methylene Chloride | ND | | 0.00699 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0140 | 1.05 | 01/04/2024 22:20 | WG2200022 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Naphthalene | ND | | 0.00699 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| n-Propylbenzene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Styrene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Tetrachloroethene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Toluene | ND | | 0.00699 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,2,3-Trichlorobenzene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,2,4-Trichlorobenzene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,1,1-Trichloroethane | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,1,2-Trichloroethane | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Trichloroethene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Trichlorofluoromethane | ND | | 0.00699 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,2,3-Trichloropropane | ND | | 0.00350 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,2,4-Trimethylbenzene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,2,3-Trimethylbenzene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| 1,3,5-Trimethylbenzene | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Vinyl chloride | ND | | 0.00140 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| Xylenes, Total | 0.00753 | | 0.00419 | 1.05 | 01/04/2024 22:20 | WG2200022 |
| <i>(S) Toluene-d8</i> | 99.6 | | 75.0-131 | | 01/04/2024 22:20 | WG2200022 |
| <i>(S) 4-Bromofluorobenzene</i> | 96.3 | | 67.0-138 | | 01/04/2024 22:20 | WG2200022 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 110 | | 70.0-130 | | 01/04/2024 22:20 | WG2200022 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|-----------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 13.3 | 1 | 12/31/2023 01:03 | WG2196251 |
| ORO | ND | | 13.3 | 1 | 12/31/2023 01:03 | WG2196251 |
| Anthracene | ND | | 0.0439 | 1 | 12/31/2023 01:03 | WG2196251 |
| Acenaphthene | ND | | 0.0439 | 1 | 12/31/2023 01:03 | WG2196251 |
| Acenaphthylene | ND | | 0.0439 | 1 | 12/31/2023 01:03 | WG2196251 |
| Benzo(a)anthracene | ND | | 0.0439 | 1 | 12/31/2023 01:03 | WG2196251 |
| Benzo(a)pyrene | ND | | 0.0439 | 1 | 12/31/2023 01:03 | WG2196251 |
| Benzo(b)fluoranthene | ND | | 0.0439 | 1 | 12/31/2023 01:03 | WG2196251 |
| Benzo(g,h,i)perylene | ND | | 0.0439 | 1 | 12/31/2023 01:03 | WG2196251 |
| Benzo(k)fluoranthene | ND | | 0.0439 | 1 | 12/31/2023 01:03 | WG2196251 |
| Chrysene | ND | | 0.0439 | 1 | 12/31/2023 01:03 | WG2196251 |
| Dibenz(a,h)anthracene | ND | | 0.0439 | 1 | 12/31/2023 01:03 | WG2196251 |
| Fluoranthene | ND | | 0.0439 | 1 | 12/31/2023 01:03 | WG2196251 |
| Fluorene | ND | | 0.0439 | 1 | 12/31/2023 01:03 | WG2196251 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0439 | 1 | 12/31/2023 01:03 | WG2196251 |
| Naphthalene | ND | | 0.0439 | 1 | 12/31/2023 01:03 | WG2196251 |
| Phenanthrene | ND | | 0.0439 | 1 | 12/31/2023 01:03 | WG2196251 |
| Pyrene | ND | | 0.0439 | 1 | 12/31/2023 01:03 | WG2196251 |
| <i>(S) Nitrobenzene-d5</i> | 75.5 | | 22.0-150 | | 12/31/2023 01:03 | WG2196251 |
| <i>(S) 2-Fluorobiphenyl</i> | 55.1 | | 27.0-135 | | 12/31/2023 01:03 | WG2196251 |
| <i>(S) p-Terphenyl-d14</i> | 48.6 | | 22.0-129 | | 12/31/2023 01:03 | WG2196251 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| Total Solids | 95.2 | | 1 | 12/28/2023 07:04 | WG2196738 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| Lead | 19.7 | | 0.525 | 1 | 12/28/2023 16:57 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| TPH (GC/MS) Low Fraction | ND | | 0.525 | 1 | 12/30/2023 19:30 | WG2198743 |
| Acetone | 0.0662 | | 0.0525 | 1 | 12/30/2023 19:30 | WG2198743 |
| Acrylonitrile | ND | | 0.0105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Benzene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Bromobenzene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Bromodichloromethane | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Bromoform | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Bromomethane | ND | | 0.00525 | 1 | 12/30/2023 19:30 | WG2198743 |
| n-Butylbenzene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| sec-Butylbenzene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| tert-Butylbenzene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Carbon tetrachloride | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Chlorobenzene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Chlorodibromomethane | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Chloroethane | ND | | 0.00525 | 1 | 12/30/2023 19:30 | WG2198743 |
| Chloroform | ND | | 0.00525 | 1 | 12/30/2023 19:30 | WG2198743 |
| Chloromethane | ND | | 0.00263 | 1 | 12/30/2023 19:30 | WG2198743 |
| 2-Chlorotoluene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 4-Chlorotoluene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00525 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,2-Dibromoethane | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Dibromomethane | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,2-Dichlorobenzene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,3-Dichlorobenzene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,4-Dichlorobenzene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Dichlorodifluoromethane | ND | | 0.00525 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,1-Dichloroethane | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,2-Dichloroethane | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,1-Dichloroethene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| cis-1,2-Dichloroethene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| trans-1,2-Dichloroethene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,2-Dichloropropane | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,1-Dichloropropene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,3-Dichloropropane | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| cis-1,3-Dichloropropene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| trans-1,3-Dichloropropene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 2,2-Dichloropropane | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Di-isopropyl ether | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Ethylbenzene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Hexachloro-1,3-butadiene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Isopropylbenzene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| p-Isopropyltoluene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 2-Butanone (MEK) | ND | | 0.0105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Methylene Chloride | ND | | 0.00525 | 1 | 12/30/2023 19:30 | WG2198743 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0105 | 1 | 12/30/2023 19:30 | WG2198743 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Naphthalene | ND | | 0.00525 | 1 | 12/30/2023 19:30 | WG2198743 |
| n-Propylbenzene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Styrene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Tetrachloroethene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Toluene | ND | | 0.00525 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,2,3-Trichlorobenzene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,2,4-Trichlorobenzene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,1,1-Trichloroethane | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,1,2-Trichloroethane | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Trichloroethene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Trichlorofluoromethane | ND | | 0.00525 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,2,3-Trichloropropane | ND | | 0.00263 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,2,4-Trimethylbenzene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,2,3-Trimethylbenzene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| 1,3,5-Trimethylbenzene | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Vinyl chloride | ND | | 0.00105 | 1 | 12/30/2023 19:30 | WG2198743 |
| Xylenes, Total | ND | | 0.00315 | 1 | 12/30/2023 19:30 | WG2198743 |
| (S) Toluene-d8 | 105 | | 75.0-131 | | 12/30/2023 19:30 | WG2198743 |
| (S) 4-Bromofluorobenzene | 94.9 | | 67.0-138 | | 12/30/2023 19:30 | WG2198743 |
| (S) 1,2-Dichloroethane-d4 | 106 | | 70.0-130 | | 12/30/2023 19:30 | WG2198743 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 10.5 | 1 | 12/31/2023 01:24 | WG2196251 |
| ORO | ND | | 10.5 | 1 | 12/31/2023 01:24 | WG2196251 |
| Anthracene | ND | | 0.0347 | 1 | 12/31/2023 01:24 | WG2196251 |
| Acenaphthene | ND | | 0.0347 | 1 | 12/31/2023 01:24 | WG2196251 |
| Acenaphthylene | ND | | 0.0347 | 1 | 12/31/2023 01:24 | WG2196251 |
| Benzo(a)anthracene | ND | | 0.0347 | 1 | 12/31/2023 01:24 | WG2196251 |
| Benzo(a)pyrene | ND | | 0.0347 | 1 | 12/31/2023 01:24 | WG2196251 |
| Benzo(b)fluoranthene | ND | | 0.0347 | 1 | 12/31/2023 01:24 | WG2196251 |
| Benzo(g,h,i)perylene | ND | | 0.0347 | 1 | 12/31/2023 01:24 | WG2196251 |
| Benzo(k)fluoranthene | ND | | 0.0347 | 1 | 12/31/2023 01:24 | WG2196251 |
| Chrysene | ND | | 0.0347 | 1 | 12/31/2023 01:24 | WG2196251 |
| Dibenz(a,h)anthracene | ND | | 0.0347 | 1 | 12/31/2023 01:24 | WG2196251 |
| Fluoranthene | ND | | 0.0347 | 1 | 12/31/2023 01:24 | WG2196251 |
| Fluorene | ND | | 0.0347 | 1 | 12/31/2023 01:24 | WG2196251 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0347 | 1 | 12/31/2023 01:24 | WG2196251 |
| Naphthalene | ND | | 0.0347 | 1 | 12/31/2023 01:24 | WG2196251 |
| Phenanthrene | ND | | 0.0347 | 1 | 12/31/2023 01:24 | WG2196251 |
| Pyrene | ND | | 0.0347 | 1 | 12/31/2023 01:24 | WG2196251 |
| (S) Nitrobenzene-d5 | 66.0 | | 22.0-150 | | 12/31/2023 01:24 | WG2196251 |
| (S) 2-Fluorobiphenyl | 63.6 | | 27.0-135 | | 12/31/2023 01:24 | WG2196251 |
| (S) p-Terphenyl-d14 | 64.9 | | 22.0-129 | | 12/31/2023 01:24 | WG2196251 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 77.5 | | 1 | 12/28/2023 07:04 | WG2196738 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 14.9 | | 0.645 | 1 | 12/28/2023 17:00 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.645 | 1 | 12/30/2023 19:51 | WG2198743 |
| Acetone | ND | | 0.0645 | 1 | 12/30/2023 19:51 | WG2198743 |
| Acrylonitrile | ND | | 0.0129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Benzene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Bromobenzene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Bromodichloromethane | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Bromoform | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Bromomethane | ND | | 0.00645 | 1 | 12/30/2023 19:51 | WG2198743 |
| n-Butylbenzene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| sec-Butylbenzene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| tert-Butylbenzene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Carbon tetrachloride | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Chlorobenzene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Chlorodibromomethane | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Chloroethane | ND | | 0.00645 | 1 | 12/30/2023 19:51 | WG2198743 |
| Chloroform | ND | | 0.00645 | 1 | 12/30/2023 19:51 | WG2198743 |
| Chloromethane | ND | | 0.00323 | 1 | 12/30/2023 19:51 | WG2198743 |
| 2-Chlorotoluene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 4-Chlorotoluene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00645 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,2-Dibromoethane | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Dibromomethane | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,2-Dichlorobenzene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,3-Dichlorobenzene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,4-Dichlorobenzene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Dichlorodifluoromethane | ND | | 0.00645 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,1-Dichloroethane | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,2-Dichloroethane | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,1-Dichloroethene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| cis-1,2-Dichloroethene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| trans-1,2-Dichloroethene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,2-Dichloropropane | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,1-Dichloropropene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,3-Dichloropropane | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| cis-1,3-Dichloropropene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| trans-1,3-Dichloropropene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 2,2-Dichloropropane | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Di-isopropyl ether | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Ethylbenzene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Hexachloro-1,3-butadiene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Isopropylbenzene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| p-Isopropyltoluene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 2-Butanone (MEK) | ND | | 0.0129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Methylene Chloride | ND | | 0.00645 | 1 | 12/30/2023 19:51 | WG2198743 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0129 | 1 | 12/30/2023 19:51 | WG2198743 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Naphthalene | ND | | 0.00645 | 1 | 12/30/2023 19:51 | WG2198743 |
| n-Propylbenzene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Styrene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Tetrachloroethene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Toluene | ND | | 0.00645 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,2,3-Trichlorobenzene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,2,4-Trichlorobenzene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,1,1-Trichloroethane | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,1,2-Trichloroethane | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Trichloroethene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Trichlorofluoromethane | ND | | 0.00645 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,2,3-Trichloropropane | ND | | 0.00323 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,2,4-Trimethylbenzene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,2,3-Trimethylbenzene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| 1,3,5-Trimethylbenzene | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Vinyl chloride | ND | | 0.00129 | 1 | 12/30/2023 19:51 | WG2198743 |
| Xylenes, Total | ND | | 0.00387 | 1 | 12/30/2023 19:51 | WG2198743 |
| (S) Toluene-d8 | 101 | | 75.0-131 | | 12/30/2023 19:51 | WG2198743 |
| (S) 4-Bromofluorobenzene | 91.9 | | 67.0-138 | | 12/30/2023 19:51 | WG2198743 |
| (S) 1,2-Dichloroethane-d4 | 110 | | 70.0-130 | | 12/30/2023 19:51 | WG2198743 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 12.9 | 1 | 01/03/2024 01:32 | WG2196251 |
| ORO | ND | | 12.9 | 1 | 01/03/2024 01:32 | WG2196251 |
| Anthracene | ND | | 0.0426 | 1 | 01/03/2024 01:32 | WG2196251 |
| Acenaphthene | ND | | 0.0426 | 1 | 01/03/2024 01:32 | WG2196251 |
| Acenaphthylene | ND | | 0.0426 | 1 | 01/03/2024 01:32 | WG2196251 |
| Benzo(a)anthracene | ND | | 0.0426 | 1 | 01/03/2024 01:32 | WG2196251 |
| Benzo(a)pyrene | ND | | 0.0426 | 1 | 01/03/2024 01:32 | WG2196251 |
| Benzo(b)fluoranthene | ND | | 0.0426 | 1 | 01/03/2024 01:32 | WG2196251 |
| Benzo(g,h,i)perylene | ND | | 0.0426 | 1 | 01/03/2024 01:32 | WG2196251 |
| Benzo(k)fluoranthene | ND | | 0.0426 | 1 | 01/03/2024 01:32 | WG2196251 |
| Chrysene | ND | | 0.0426 | 1 | 01/03/2024 01:32 | WG2196251 |
| Dibenz(a,h)anthracene | ND | | 0.0426 | 1 | 01/03/2024 01:32 | WG2196251 |
| Fluoranthene | ND | | 0.0426 | 1 | 01/03/2024 01:32 | WG2196251 |
| Fluorene | ND | | 0.0426 | 1 | 01/03/2024 01:32 | WG2196251 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0426 | 1 | 01/03/2024 01:32 | WG2196251 |
| Naphthalene | ND | | 0.0426 | 1 | 01/03/2024 01:32 | WG2196251 |
| Phenanthrene | ND | | 0.0426 | 1 | 01/03/2024 01:32 | WG2196251 |
| Pyrene | ND | | 0.0426 | 1 | 01/03/2024 01:32 | WG2196251 |
| (S) Nitrobenzene-d5 | 74.8 | | 22.0-150 | | 01/03/2024 01:32 | WG2196251 |
| (S) 2-Fluorobiphenyl | 61.5 | | 27.0-135 | | 01/03/2024 01:32 | WG2196251 |
| (S) p-Terphenyl-d14 | 53.4 | | 22.0-129 | | 01/03/2024 01:32 | WG2196251 |

Total Solids by Method 2540 G-2011

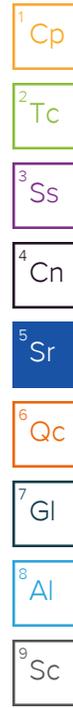
| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 77.8 | | 1 | 12/28/2023 07:04 | WG2196738 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 27.5 | | 0.643 | 1 | 12/28/2023 17:04 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.643 | 1 | 12/30/2023 20:13 | WG2198743 |
| Acetone | 0.145 | | 0.0643 | 1 | 12/30/2023 20:13 | WG2198743 |
| Acrylonitrile | ND | | 0.0129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Benzene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Bromobenzene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Bromodichloromethane | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Bromoform | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Bromomethane | ND | | 0.00643 | 1 | 12/30/2023 20:13 | WG2198743 |
| n-Butylbenzene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| sec-Butylbenzene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| tert-Butylbenzene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Carbon tetrachloride | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Chlorobenzene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Chlorodibromomethane | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Chloroethane | ND | | 0.00643 | 1 | 12/30/2023 20:13 | WG2198743 |
| Chloroform | ND | | 0.00643 | 1 | 12/30/2023 20:13 | WG2198743 |
| Chloromethane | ND | | 0.00321 | 1 | 12/30/2023 20:13 | WG2198743 |
| 2-Chlorotoluene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 4-Chlorotoluene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00643 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,2-Dibromoethane | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Dibromomethane | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,2-Dichlorobenzene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,3-Dichlorobenzene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,4-Dichlorobenzene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Dichlorodifluoromethane | ND | | 0.00643 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,1-Dichloroethane | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,2-Dichloroethane | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,1-Dichloroethene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| cis-1,2-Dichloroethene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| trans-1,2-Dichloroethene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,2-Dichloropropane | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,1-Dichloropropene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,3-Dichloropropane | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| cis-1,3-Dichloropropene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| trans-1,3-Dichloropropene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 2,2-Dichloropropane | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Di-isopropyl ether | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Ethylbenzene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Hexachloro-1,3-butadiene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Isopropylbenzene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| p-Isopropyltoluene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 2-Butanone (MEK) | ND | | 0.0129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Methylene Chloride | ND | | 0.00643 | 1 | 12/30/2023 20:13 | WG2198743 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0129 | 1 | 12/30/2023 20:13 | WG2198743 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Naphthalene | ND | | 0.00643 | 1 | 12/30/2023 20:13 | WG2198743 |
| n-Propylbenzene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Styrene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Tetrachloroethene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Toluene | ND | | 0.00643 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,2,3-Trichlorobenzene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,2,4-Trichlorobenzene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,1,1-Trichloroethane | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,1,2-Trichloroethane | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Trichloroethene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Trichlorofluoromethane | ND | | 0.00643 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,2,3-Trichloropropane | ND | | 0.00321 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,2,4-Trimethylbenzene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,2,3-Trimethylbenzene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| 1,3,5-Trimethylbenzene | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Vinyl chloride | ND | | 0.00129 | 1 | 12/30/2023 20:13 | WG2198743 |
| Xylenes, Total | ND | | 0.00386 | 1 | 12/30/2023 20:13 | WG2198743 |
| (S) Toluene-d8 | 102 | | 75.0-131 | | 12/30/2023 20:13 | WG2198743 |
| (S) 4-Bromofluorobenzene | 92.4 | | 67.0-138 | | 12/30/2023 20:13 | WG2198743 |
| (S) 1,2-Dichloroethane-d4 | 93.4 | | 70.0-130 | | 12/30/2023 20:13 | WG2198743 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 12.9 | 1 | 01/03/2024 01:53 | WG2196251 |
| ORO | ND | | 12.9 | 1 | 01/03/2024 01:53 | WG2196251 |
| Anthracene | ND | | 0.0424 | 1 | 01/03/2024 01:53 | WG2196251 |
| Acenaphthene | ND | | 0.0424 | 1 | 01/03/2024 01:53 | WG2196251 |
| Acenaphthylene | ND | | 0.0424 | 1 | 01/03/2024 01:53 | WG2196251 |
| Benzo(a)anthracene | ND | | 0.0424 | 1 | 01/03/2024 01:53 | WG2196251 |
| Benzo(a)pyrene | ND | | 0.0424 | 1 | 01/03/2024 01:53 | WG2196251 |
| Benzo(b)fluoranthene | ND | | 0.0424 | 1 | 01/03/2024 01:53 | WG2196251 |
| Benzo(g,h,i)perylene | ND | | 0.0424 | 1 | 01/03/2024 01:53 | WG2196251 |
| Benzo(k)fluoranthene | ND | | 0.0424 | 1 | 01/03/2024 01:53 | WG2196251 |
| Chrysene | ND | | 0.0424 | 1 | 01/03/2024 01:53 | WG2196251 |
| Dibenz(a,h)anthracene | ND | | 0.0424 | 1 | 01/03/2024 01:53 | WG2196251 |
| Fluoranthene | ND | | 0.0424 | 1 | 01/03/2024 01:53 | WG2196251 |
| Fluorene | ND | | 0.0424 | 1 | 01/03/2024 01:53 | WG2196251 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0424 | 1 | 01/03/2024 01:53 | WG2196251 |
| Naphthalene | ND | | 0.0424 | 1 | 01/03/2024 01:53 | WG2196251 |
| Phenanthrene | ND | | 0.0424 | 1 | 01/03/2024 01:53 | WG2196251 |
| Pyrene | ND | | 0.0424 | 1 | 01/03/2024 01:53 | WG2196251 |
| (S) Nitrobenzene-d5 | 77.3 | | 22.0-150 | | 01/03/2024 01:53 | WG2196251 |
| (S) 2-Fluorobiphenyl | 60.9 | | 27.0-135 | | 01/03/2024 01:53 | WG2196251 |
| (S) p-Terphenyl-d14 | 58.0 | | 22.0-129 | | 01/03/2024 01:53 | WG2196251 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 74.6 | | 1 | 12/28/2023 07:04 | WG2196738 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 21.0 | | 0.670 | 1 | 12/28/2023 17:07 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.670 | 1 | 12/30/2023 20:34 | WG2198743 |
| Acetone | 0.0988 | | 0.0670 | 1 | 12/30/2023 20:34 | WG2198743 |
| Acrylonitrile | ND | | 0.0134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Benzene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Bromobenzene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Bromodichloromethane | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Bromoform | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Bromomethane | ND | | 0.00670 | 1 | 12/30/2023 20:34 | WG2198743 |
| n-Butylbenzene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| sec-Butylbenzene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| tert-Butylbenzene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Carbon tetrachloride | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Chlorobenzene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Chlorodibromomethane | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Chloroethane | ND | | 0.00670 | 1 | 12/30/2023 20:34 | WG2198743 |
| Chloroform | ND | | 0.00670 | 1 | 12/30/2023 20:34 | WG2198743 |
| Chloromethane | ND | | 0.00335 | 1 | 12/30/2023 20:34 | WG2198743 |
| 2-Chlorotoluene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 4-Chlorotoluene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00670 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,2-Dibromoethane | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Dibromomethane | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,2-Dichlorobenzene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,3-Dichlorobenzene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,4-Dichlorobenzene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Dichlorodifluoromethane | ND | | 0.00670 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,1-Dichloroethane | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,2-Dichloroethane | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,1-Dichloroethene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| cis-1,2-Dichloroethene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| trans-1,2-Dichloroethene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,2-Dichloropropane | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,1-Dichloropropene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,3-Dichloropropane | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| cis-1,3-Dichloropropene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| trans-1,3-Dichloropropene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 2,2-Dichloropropane | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Di-isopropyl ether | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Ethylbenzene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Hexachloro-1,3-butadiene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Isopropylbenzene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| p-Isopropyltoluene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 2-Butanone (MEK) | ND | | 0.0134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Methylene Chloride | ND | | 0.00670 | 1 | 12/30/2023 20:34 | WG2198743 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0134 | 1 | 12/30/2023 20:34 | WG2198743 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Naphthalene | ND | | 0.00670 | 1 | 12/30/2023 20:34 | WG2198743 |
| n-Propylbenzene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Styrene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Tetrachloroethene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Toluene | ND | | 0.00670 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,2,3-Trichlorobenzene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,2,4-Trichlorobenzene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,1,1-Trichloroethane | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,1,2-Trichloroethane | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Trichloroethene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Trichlorofluoromethane | ND | | 0.00670 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,2,3-Trichloropropane | ND | | 0.00335 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,2,4-Trimethylbenzene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,2,3-Trimethylbenzene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| 1,3,5-Trimethylbenzene | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Vinyl chloride | ND | | 0.00134 | 1 | 12/30/2023 20:34 | WG2198743 |
| Xylenes, Total | ND | | 0.00402 | 1 | 12/30/2023 20:34 | WG2198743 |
| (S) Toluene-d8 | 102 | | 75.0-131 | | 12/30/2023 20:34 | WG2198743 |
| (S) 4-Bromofluorobenzene | 93.3 | | 67.0-138 | | 12/30/2023 20:34 | WG2198743 |
| (S) 1,2-Dichloroethane-d4 | 110 | | 70.0-130 | | 12/30/2023 20:34 | WG2198743 |



Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 13.4 | 1 | 12/29/2023 21:54 | WG2196994 |
| ORO | ND | | 13.4 | 1 | 12/29/2023 21:54 | WG2196994 |
| Anthracene | ND | | 0.0443 | 1 | 12/29/2023 21:54 | WG2196994 |
| Acenaphthene | ND | | 0.0443 | 1 | 12/29/2023 21:54 | WG2196994 |
| Acenaphthylene | ND | | 0.0443 | 1 | 12/29/2023 21:54 | WG2196994 |
| Benzo(a)anthracene | ND | | 0.0443 | 1 | 12/29/2023 21:54 | WG2196994 |
| Benzo(a)pyrene | ND | | 0.0443 | 1 | 12/29/2023 21:54 | WG2196994 |
| Benzo(b)fluoranthene | ND | | 0.0443 | 1 | 12/29/2023 21:54 | WG2196994 |
| Benzo(g,h,i)perylene | ND | | 0.0443 | 1 | 12/29/2023 21:54 | WG2196994 |
| Benzo(k)fluoranthene | ND | | 0.0443 | 1 | 12/29/2023 21:54 | WG2196994 |
| Chrysene | ND | | 0.0443 | 1 | 12/29/2023 21:54 | WG2196994 |
| Dibenz(a,h)anthracene | ND | | 0.0443 | 1 | 12/29/2023 21:54 | WG2196994 |
| Fluoranthene | ND | | 0.0443 | 1 | 12/29/2023 21:54 | WG2196994 |
| Fluorene | ND | | 0.0443 | 1 | 12/29/2023 21:54 | WG2196994 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0443 | 1 | 12/29/2023 21:54 | WG2196994 |
| Naphthalene | ND | | 0.0443 | 1 | 12/29/2023 21:54 | WG2196994 |
| Phenanthrene | ND | | 0.0443 | 1 | 12/29/2023 21:54 | WG2196994 |
| Pyrene | ND | | 0.0443 | 1 | 12/29/2023 21:54 | WG2196994 |
| (S) Nitrobenzene-d5 | 82.4 | | 22.0-150 | | 12/29/2023 21:54 | WG2196994 |
| (S) 2-Fluorobiphenyl | 63.7 | | 27.0-135 | | 12/29/2023 21:54 | WG2196994 |
| (S) p-Terphenyl-d14 | 56.9 | | 22.0-129 | | 12/29/2023 21:54 | WG2196994 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| Total Solids | 82.7 | | 1 | 12/28/2023 07:04 | WG2196738 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| Lead | 18.6 | | 0.605 | 1 | 12/28/2023 17:10 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|--------------------|-----------|----------|------------------|---------------------------|
| TPH (GC/MS) Low Fraction | ND | | 0.635 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Acetone | ND | | 2.04 | 25 | 01/04/2024 08:40 | WG2200317 |
| Acrylonitrile | ND | | 0.0127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Benzene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Bromobenzene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Bromodichloromethane | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Bromoform | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Bromomethane | ND | | 0.00635 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| n-Butylbenzene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| sec-Butylbenzene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| tert-Butylbenzene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Carbon tetrachloride | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Chlorobenzene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Chlorodibromomethane | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Chloroethane | ND | | 0.00635 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Chloroform | ND | | 0.00635 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Chloromethane | ND | | 0.00318 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 2-Chlorotoluene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 4-Chlorotoluene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00635 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,2-Dibromoethane | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Dibromomethane | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,2-Dichlorobenzene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,3-Dichlorobenzene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,4-Dichlorobenzene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Dichlorodifluoromethane | ND | | 0.00635 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,1-Dichloroethane | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,2-Dichloroethane | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,1-Dichloroethene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| cis-1,2-Dichloroethene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| trans-1,2-Dichloroethene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,2-Dichloropropane | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,1-Dichloropropene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,3-Dichloropropane | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| cis-1,3-Dichloropropene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| trans-1,3-Dichloropropene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 2,2-Dichloropropane | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Di-isopropyl ether | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Ethylbenzene | 0.0125 | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Hexachloro-1,3-butadiene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Isopropylbenzene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| p-Isopropyltoluene | ND | J3 | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 2-Butanone (MEK) | 0.0497 | | 0.0127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Methylene Chloride | ND | | 0.00635 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0127 | 1.05 | 12/31/2023 18:57 | WG2198915 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|-----------|
| Methyl tert-butyl ether | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Naphthalene | ND | | 0.00635 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| n-Propylbenzene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Styrene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Tetrachloroethene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Toluene | ND | | 0.00635 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,2,3-Trichlorobenzene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,2,4-Trichlorobenzene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,1,1-Trichloroethane | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,1,2-Trichloroethane | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Trichloroethene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Trichlorofluoromethane | ND | | 0.00635 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,2,3-Trichloropropane | ND | | 0.00318 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,2,4-Trimethylbenzene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,2,3-Trimethylbenzene | 0.00256 | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| 1,3,5-Trimethylbenzene | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Vinyl chloride | ND | | 0.00127 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| Xylenes, Total | 0.0656 | | 0.00381 | 1.05 | 12/31/2023 18:57 | WG2198915 |
| (S) Toluene-d8 | 103 | | 75.0-131 | | 12/31/2023 18:57 | WG2198915 |
| (S) Toluene-d8 | 101 | | 75.0-131 | | 01/04/2024 08:40 | WG2200317 |
| (S) 4-Bromofluorobenzene | 91.8 | | 67.0-138 | | 12/31/2023 18:57 | WG2198915 |
| (S) 4-Bromofluorobenzene | 105 | | 67.0-138 | | 01/04/2024 08:40 | WG2200317 |
| (S) 1,2-Dichloroethane-d4 | 112 | | 70.0-130 | | 12/31/2023 18:57 | WG2198915 |
| (S) 1,2-Dichloroethane-d4 | 99.6 | | 70.0-130 | | 01/04/2024 08:40 | WG2200317 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|-----------|
| DRO | ND | | 12.1 | 1 | 12/29/2023 22:15 | WG2196994 |
| ORO | ND | | 12.1 | 1 | 12/29/2023 22:15 | WG2196994 |
| Anthracene | ND | | 0.0399 | 1 | 12/29/2023 22:15 | WG2196994 |
| Acenaphthene | ND | | 0.0399 | 1 | 12/29/2023 22:15 | WG2196994 |
| Acenaphthylene | ND | | 0.0399 | 1 | 12/29/2023 22:15 | WG2196994 |
| Benzo(a)anthracene | ND | | 0.0399 | 1 | 12/29/2023 22:15 | WG2196994 |
| Benzo(a)pyrene | ND | | 0.0399 | 1 | 12/29/2023 22:15 | WG2196994 |
| Benzo(b)fluoranthene | ND | | 0.0399 | 1 | 12/29/2023 22:15 | WG2196994 |
| Benzo(g,h,i)perylene | ND | | 0.0399 | 1 | 12/29/2023 22:15 | WG2196994 |
| Benzo(k)fluoranthene | ND | | 0.0399 | 1 | 12/29/2023 22:15 | WG2196994 |
| Chrysene | ND | | 0.0399 | 1 | 12/29/2023 22:15 | WG2196994 |
| Dibenz(a,h)anthracene | ND | | 0.0399 | 1 | 12/29/2023 22:15 | WG2196994 |
| Fluoranthene | ND | | 0.0399 | 1 | 12/29/2023 22:15 | WG2196994 |
| Fluorene | ND | | 0.0399 | 1 | 12/29/2023 22:15 | WG2196994 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0399 | 1 | 12/29/2023 22:15 | WG2196994 |
| Naphthalene | ND | | 0.0399 | 1 | 12/29/2023 22:15 | WG2196994 |
| Phenanthrene | ND | | 0.0399 | 1 | 12/29/2023 22:15 | WG2196994 |
| Pyrene | ND | | 0.0399 | 1 | 12/29/2023 22:15 | WG2196994 |
| (S) Nitrobenzene-d5 | 82.0 | | 22.0-150 | | 12/29/2023 22:15 | WG2196994 |
| (S) 2-Fluorobiphenyl | 65.5 | | 27.0-135 | | 12/29/2023 22:15 | WG2196994 |
| (S) p-Terphenyl-d14 | 55.3 | | 22.0-129 | | 12/29/2023 22:15 | WG2196994 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 76.3 | | 1 | 12/28/2023 07:04 | WG2196738 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 17.9 | | 0.655 | 1 | 12/28/2023 17:13 | WG2196904 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|--------------------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.655 | 1 | 12/31/2023 19:18 | WG2198915 |
| Acetone | ND | | 0.0655 | 1 | 12/31/2023 19:18 | WG2198915 |
| Acrylonitrile | ND | | 0.0131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Benzene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Bromobenzene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Bromodichloromethane | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Bromoform | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Bromomethane | ND | | 0.00655 | 1 | 12/31/2023 19:18 | WG2198915 |
| n-Butylbenzene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| sec-Butylbenzene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| tert-Butylbenzene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Carbon tetrachloride | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Chlorobenzene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Chlorodibromomethane | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Chloroethane | ND | | 0.00655 | 1 | 12/31/2023 19:18 | WG2198915 |
| Chloroform | ND | | 0.00655 | 1 | 12/31/2023 19:18 | WG2198915 |
| Chloromethane | ND | | 0.00328 | 1 | 12/31/2023 19:18 | WG2198915 |
| 2-Chlorotoluene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 4-Chlorotoluene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00655 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,2-Dibromoethane | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Dibromomethane | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,2-Dichlorobenzene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,3-Dichlorobenzene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,4-Dichlorobenzene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Dichlorodifluoromethane | ND | | 0.00655 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,1-Dichloroethane | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,2-Dichloroethane | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,1-Dichloroethene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| cis-1,2-Dichloroethene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| trans-1,2-Dichloroethene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,2-Dichloropropane | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,1-Dichloropropene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,3-Dichloropropane | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| cis-1,3-Dichloropropene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| trans-1,3-Dichloropropene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 2,2-Dichloropropane | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Di-isopropyl ether | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Ethylbenzene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Hexachloro-1,3-butadiene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Isopropylbenzene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| p-Isopropyltoluene | ND | J3 | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 2-Butanone (MEK) | ND | | 0.0131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Methylene Chloride | ND | | 0.00655 | 1 | 12/31/2023 19:18 | WG2198915 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0131 | 1 | 12/31/2023 19:18 | WG2198915 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Naphthalene | ND | | 0.00655 | 1 | 12/31/2023 19:18 | WG2198915 |
| n-Propylbenzene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Styrene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Tetrachloroethene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Toluene | ND | | 0.00655 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,2,3-Trichlorobenzene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,2,4-Trichlorobenzene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,1,1-Trichloroethane | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,1,2-Trichloroethane | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Trichloroethene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Trichlorofluoromethane | ND | | 0.00655 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,2,3-Trichloropropane | ND | | 0.00328 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,2,4-Trimethylbenzene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,2,3-Trimethylbenzene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| 1,3,5-Trimethylbenzene | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Vinyl chloride | ND | | 0.00131 | 1 | 12/31/2023 19:18 | WG2198915 |
| Xylenes, Total | ND | | 0.00393 | 1 | 12/31/2023 19:18 | WG2198915 |
| (S) Toluene-d8 | 102 | | 75.0-131 | | 12/31/2023 19:18 | WG2198915 |
| (S) 4-Bromofluorobenzene | 91.8 | | 67.0-138 | | 12/31/2023 19:18 | WG2198915 |
| (S) 1,2-Dichloroethane-d4 | 111 | | 70.0-130 | | 12/31/2023 19:18 | WG2198915 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 13.1 | 1 | 12/29/2023 23:18 | WG2196994 |
| ORO | ND | | 13.1 | 1 | 12/29/2023 23:18 | WG2196994 |
| Anthracene | ND | | 0.0432 | 1 | 12/29/2023 23:18 | WG2196994 |
| Acenaphthene | ND | | 0.0432 | 1 | 12/29/2023 23:18 | WG2196994 |
| Acenaphthylene | ND | | 0.0432 | 1 | 12/29/2023 23:18 | WG2196994 |
| Benzo(a)anthracene | ND | | 0.0432 | 1 | 12/29/2023 23:18 | WG2196994 |
| Benzo(a)pyrene | ND | | 0.0432 | 1 | 12/29/2023 23:18 | WG2196994 |
| Benzo(b)fluoranthene | ND | | 0.0432 | 1 | 12/29/2023 23:18 | WG2196994 |
| Benzo(g,h,i)perylene | ND | | 0.0432 | 1 | 12/29/2023 23:18 | WG2196994 |
| Benzo(k)fluoranthene | ND | | 0.0432 | 1 | 12/29/2023 23:18 | WG2196994 |
| Chrysene | ND | | 0.0432 | 1 | 12/29/2023 23:18 | WG2196994 |
| Dibenz(a,h)anthracene | ND | | 0.0432 | 1 | 12/29/2023 23:18 | WG2196994 |
| Fluoranthene | ND | | 0.0432 | 1 | 12/29/2023 23:18 | WG2196994 |
| Fluorene | ND | | 0.0432 | 1 | 12/29/2023 23:18 | WG2196994 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0432 | 1 | 12/29/2023 23:18 | WG2196994 |
| Naphthalene | ND | | 0.0432 | 1 | 12/29/2023 23:18 | WG2196994 |
| Phenanthrene | ND | | 0.0432 | 1 | 12/29/2023 23:18 | WG2196994 |
| Pyrene | ND | | 0.0432 | 1 | 12/29/2023 23:18 | WG2196994 |
| (S) Nitrobenzene-d5 | 75.8 | | 22.0-150 | | 12/29/2023 23:18 | WG2196994 |
| (S) 2-Fluorobiphenyl | 59.8 | | 27.0-135 | | 12/29/2023 23:18 | WG2196994 |
| (S) p-Terphenyl-d14 | 58.4 | | 22.0-129 | | 12/29/2023 23:18 | WG2196994 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 88.3 | | 1 | 12/28/2023 06:40 | WG2196759 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 26.6 | | 0.566 | 1 | 12/28/2023 09:00 | WG2196902 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.668 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Acetone | 1.78 | E | 0.0668 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Acrylonitrile | ND | | 0.0134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Benzene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Bromobenzene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Bromodichloromethane | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Bromoform | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Bromomethane | ND | | 0.00668 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| n-Butylbenzene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| sec-Butylbenzene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| tert-Butylbenzene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Carbon tetrachloride | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Chlorobenzene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Chlorodibromomethane | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Chloroethane | ND | | 0.00668 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Chloroform | ND | | 0.00668 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Chloromethane | ND | | 0.00334 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 2-Chlorotoluene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 4-Chlorotoluene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00668 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,2-Dibromoethane | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Dibromomethane | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,2-Dichlorobenzene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,3-Dichlorobenzene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,4-Dichlorobenzene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Dichlorodifluoromethane | ND | | 0.00668 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,1-Dichloroethane | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,2-Dichloroethane | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,1-Dichloroethene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| cis-1,2-Dichloroethene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| trans-1,2-Dichloroethene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,2-Dichloropropane | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,1-Dichloropropene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,3-Dichloropropane | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| cis-1,3-Dichloropropene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| trans-1,3-Dichloropropene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 2,2-Dichloropropane | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Di-isopropyl ether | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Ethylbenzene | 0.00139 | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Hexachloro-1,3-butadiene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Isopropylbenzene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| p-Isopropyltoluene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 2-Butanone (MEK) | 0.206 | | 0.0134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Methylene Chloride | ND | | 0.00668 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0134 | 1.18 | 01/04/2024 22:41 | WG2200315 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------------------|-----------------------|--------------------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Naphthalene | ND | | 0.00668 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| n-Propylbenzene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Styrene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Tetrachloroethene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Toluene | ND | | 0.00668 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,2,3-Trichlorobenzene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,2,4-Trichlorobenzene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,1,1-Trichloroethane | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,1,2-Trichloroethane | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Trichloroethene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Trichlorofluoromethane | ND | | 0.00668 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,2,3-Trichloropropane | ND | | 0.00334 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,2,4-Trimethylbenzene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,2,3-Trimethylbenzene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| 1,3,5-Trimethylbenzene | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Vinyl chloride | ND | | 0.00134 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| Xylenes, Total | 0.00771 | | 0.00401 | 1.18 | 01/04/2024 22:41 | WG2200315 |
| <i>(S) Toluene-d8</i> | 104 | | 75.0-131 | | 01/04/2024 22:41 | WG2200315 |
| <i>(S) 4-Bromofluorobenzene</i> | 102 | | 67.0-138 | | 01/04/2024 22:41 | WG2200315 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 131 | J1 | 70.0-130 | | 01/04/2024 22:41 | WG2200315 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|-----------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 11.3 | 1 | 12/29/2023 23:39 | WG2196994 |
| ORO | ND | | 11.3 | 1 | 12/29/2023 23:39 | WG2196994 |
| Anthracene | ND | | 0.0374 | 1 | 12/29/2023 23:39 | WG2196994 |
| Acenaphthene | ND | | 0.0374 | 1 | 12/29/2023 23:39 | WG2196994 |
| Acenaphthylene | ND | | 0.0374 | 1 | 12/29/2023 23:39 | WG2196994 |
| Benzo(a)anthracene | ND | | 0.0374 | 1 | 12/29/2023 23:39 | WG2196994 |
| Benzo(a)pyrene | ND | | 0.0374 | 1 | 12/29/2023 23:39 | WG2196994 |
| Benzo(b)fluoranthene | ND | | 0.0374 | 1 | 12/29/2023 23:39 | WG2196994 |
| Benzo(g,h,i)perylene | ND | | 0.0374 | 1 | 12/29/2023 23:39 | WG2196994 |
| Benzo(k)fluoranthene | ND | | 0.0374 | 1 | 12/29/2023 23:39 | WG2196994 |
| Chrysene | ND | | 0.0374 | 1 | 12/29/2023 23:39 | WG2196994 |
| Dibenz(a,h)anthracene | ND | | 0.0374 | 1 | 12/29/2023 23:39 | WG2196994 |
| Fluoranthene | ND | | 0.0374 | 1 | 12/29/2023 23:39 | WG2196994 |
| Fluorene | ND | | 0.0374 | 1 | 12/29/2023 23:39 | WG2196994 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0374 | 1 | 12/29/2023 23:39 | WG2196994 |
| Naphthalene | ND | | 0.0374 | 1 | 12/29/2023 23:39 | WG2196994 |
| Phenanthrene | ND | | 0.0374 | 1 | 12/29/2023 23:39 | WG2196994 |
| Pyrene | ND | | 0.0374 | 1 | 12/29/2023 23:39 | WG2196994 |
| <i>(S) Nitrobenzene-d5</i> | 72.1 | | 22.0-150 | | 12/29/2023 23:39 | WG2196994 |
| <i>(S) 2-Fluorobiphenyl</i> | 69.7 | | 27.0-135 | | 12/29/2023 23:39 | WG2196994 |
| <i>(S) p-Terphenyl-d14</i> | 70.2 | | 22.0-129 | | 12/29/2023 23:39 | WG2196994 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 82.9 | | 1 | 12/28/2023 06:40 | WG2196759 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 28.4 | | 0.603 | 1 | 12/28/2023 09:17 | WG2196902 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.724 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Acetone | 0.151 | | 0.0724 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Acrylonitrile | ND | | 0.0145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Benzene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Bromobenzene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Bromodichloromethane | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Bromoform | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Bromomethane | ND | | 0.00724 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| n-Butylbenzene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| sec-Butylbenzene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| tert-Butylbenzene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Carbon tetrachloride | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Chlorobenzene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Chlorodibromomethane | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Chloroethane | ND | | 0.00724 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Chloroform | ND | | 0.00724 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Chloromethane | ND | | 0.00362 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 2-Chlorotoluene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 4-Chlorotoluene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00724 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,2-Dibromoethane | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Dibromomethane | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,2-Dichlorobenzene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,3-Dichlorobenzene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,4-Dichlorobenzene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Dichlorodifluoromethane | ND | | 0.00724 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,1-Dichloroethane | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,2-Dichloroethane | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,1-Dichloroethene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| cis-1,2-Dichloroethene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| trans-1,2-Dichloroethene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,2-Dichloropropane | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,1-Dichloropropene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,3-Dichloropropane | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| cis-1,3-Dichloropropene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| trans-1,3-Dichloropropene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 2,2-Dichloropropane | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Di-isopropyl ether | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Ethylbenzene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Hexachloro-1,3-butadiene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Isopropylbenzene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| p-Isopropyltoluene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 2-Butanone (MEK) | ND | | 0.0145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Methylene Chloride | ND | | 0.00724 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0145 | 1.2 | 01/02/2024 19:52 | WG2199608 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Naphthalene | ND | | 0.00724 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| n-Propylbenzene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Styrene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Tetrachloroethene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Toluene | ND | | 0.00724 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,2,3-Trichlorobenzene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,2,4-Trichlorobenzene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,1,1-Trichloroethane | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,1,2-Trichloroethane | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Trichloroethene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Trichlorofluoromethane | ND | | 0.00724 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,2,3-Trichloropropane | ND | | 0.00362 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,2,4-Trimethylbenzene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,2,3-Trimethylbenzene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| 1,3,5-Trimethylbenzene | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Vinyl chloride | ND | | 0.00145 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| Xylenes, Total | ND | | 0.00434 | 1.2 | 01/02/2024 19:52 | WG2199608 |
| <i>(S) Toluene-d8</i> | 103 | | 75.0-131 | | 01/02/2024 19:52 | WG2199608 |
| <i>(S) 4-Bromofluorobenzene</i> | 92.1 | | 67.0-138 | | 01/02/2024 19:52 | WG2199608 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 106 | | 70.0-130 | | 01/02/2024 19:52 | WG2199608 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|-----------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 12.1 | 1 | 12/30/2023 00:00 | WG2196994 |
| ORO | ND | | 12.1 | 1 | 12/30/2023 00:00 | WG2196994 |
| Anthracene | ND | | 0.0398 | 1 | 12/30/2023 00:00 | WG2196994 |
| Acenaphthene | ND | | 0.0398 | 1 | 12/30/2023 00:00 | WG2196994 |
| Acenaphthylene | ND | | 0.0398 | 1 | 12/30/2023 00:00 | WG2196994 |
| Benzo(a)anthracene | ND | | 0.0398 | 1 | 12/30/2023 00:00 | WG2196994 |
| Benzo(a)pyrene | ND | | 0.0398 | 1 | 12/30/2023 00:00 | WG2196994 |
| Benzo(b)fluoranthene | ND | | 0.0398 | 1 | 12/30/2023 00:00 | WG2196994 |
| Benzo(g,h,i)perylene | ND | | 0.0398 | 1 | 12/30/2023 00:00 | WG2196994 |
| Benzo(k)fluoranthene | ND | | 0.0398 | 1 | 12/30/2023 00:00 | WG2196994 |
| Chrysene | ND | | 0.0398 | 1 | 12/30/2023 00:00 | WG2196994 |
| Dibenz(a,h)anthracene | ND | | 0.0398 | 1 | 12/30/2023 00:00 | WG2196994 |
| Fluoranthene | ND | | 0.0398 | 1 | 12/30/2023 00:00 | WG2196994 |
| Fluorene | ND | | 0.0398 | 1 | 12/30/2023 00:00 | WG2196994 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0398 | 1 | 12/30/2023 00:00 | WG2196994 |
| Naphthalene | ND | | 0.0398 | 1 | 12/30/2023 00:00 | WG2196994 |
| Phenanthrene | ND | | 0.0398 | 1 | 12/30/2023 00:00 | WG2196994 |
| Pyrene | ND | | 0.0398 | 1 | 12/30/2023 00:00 | WG2196994 |
| <i>(S) Nitrobenzene-d5</i> | 77.6 | | 22.0-150 | | 12/30/2023 00:00 | WG2196994 |
| <i>(S) 2-Fluorobiphenyl</i> | 58.8 | | 27.0-135 | | 12/30/2023 00:00 | WG2196994 |
| <i>(S) p-Terphenyl-d14</i> | 62.1 | | 22.0-129 | | 12/30/2023 00:00 | WG2196994 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 78.7 | | 1 | 12/28/2023 06:40 | WG2196759 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 15.2 | | 0.635 | 1 | 12/28/2023 09:20 | WG2196902 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.635 | 1 | 01/02/2024 20:13 | WG2199608 |
| Acetone | 0.137 | | 0.0635 | 1 | 01/02/2024 20:13 | WG2199608 |
| Acrylonitrile | ND | | 0.0127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Benzene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Bromobenzene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Bromodichloromethane | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Bromoform | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Bromomethane | ND | | 0.00635 | 1 | 01/02/2024 20:13 | WG2199608 |
| n-Butylbenzene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| sec-Butylbenzene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| tert-Butylbenzene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Carbon tetrachloride | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Chlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Chlorodibromomethane | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Chloroethane | ND | | 0.00635 | 1 | 01/02/2024 20:13 | WG2199608 |
| Chloroform | ND | | 0.00635 | 1 | 01/02/2024 20:13 | WG2199608 |
| Chloromethane | ND | | 0.00317 | 1 | 01/02/2024 20:13 | WG2199608 |
| 2-Chlorotoluene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 4-Chlorotoluene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00635 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,2-Dibromoethane | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Dibromomethane | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,2-Dichlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,3-Dichlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,4-Dichlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Dichlorodifluoromethane | ND | | 0.00635 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,1-Dichloroethane | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,2-Dichloroethane | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,1-Dichloroethene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| cis-1,2-Dichloroethene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| trans-1,2-Dichloroethene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,2-Dichloropropane | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,1-Dichloropropene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,3-Dichloropropane | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| cis-1,3-Dichloropropene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| trans-1,3-Dichloropropene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 2,2-Dichloropropane | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Di-isopropyl ether | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Ethylbenzene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Hexachloro-1,3-butadiene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Isopropylbenzene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| p-Isopropyltoluene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 2-Butanone (MEK) | ND | | 0.0127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Methylene Chloride | ND | | 0.00635 | 1 | 01/02/2024 20:13 | WG2199608 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0127 | 1 | 01/02/2024 20:13 | WG2199608 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Naphthalene | ND | | 0.00635 | 1 | 01/02/2024 20:13 | WG2199608 |
| n-Propylbenzene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Styrene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Tetrachloroethene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Toluene | ND | | 0.00635 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,2,3-Trichlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,2,4-Trichlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,1,1-Trichloroethane | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,1,2-Trichloroethane | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Trichloroethene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Trichlorofluoromethane | ND | | 0.00635 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,2,3-Trichloropropane | ND | | 0.00317 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,2,4-Trimethylbenzene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,2,3-Trimethylbenzene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| 1,3,5-Trimethylbenzene | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Vinyl chloride | ND | | 0.00127 | 1 | 01/02/2024 20:13 | WG2199608 |
| Xylenes, Total | ND | | 0.00381 | 1 | 01/02/2024 20:13 | WG2199608 |
| <i>(S) Toluene-d8</i> | 103 | | 75.0-131 | | 01/02/2024 20:13 | WG2199608 |
| <i>(S) 4-Bromofluorobenzene</i> | 90.3 | | 67.0-138 | | 01/02/2024 20:13 | WG2199608 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 117 | | 70.0-130 | | 01/02/2024 20:13 | WG2199608 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|-----------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 12.7 | 1 | 12/30/2023 00:21 | WG2196994 |
| ORO | ND | | 12.7 | 1 | 12/30/2023 00:21 | WG2196994 |
| Anthracene | ND | | 0.0419 | 1 | 12/30/2023 00:21 | WG2196994 |
| Acenaphthene | ND | | 0.0419 | 1 | 12/30/2023 00:21 | WG2196994 |
| Acenaphthylene | ND | | 0.0419 | 1 | 12/30/2023 00:21 | WG2196994 |
| Benzo(a)anthracene | ND | | 0.0419 | 1 | 12/30/2023 00:21 | WG2196994 |
| Benzo(a)pyrene | ND | | 0.0419 | 1 | 12/30/2023 00:21 | WG2196994 |
| Benzo(b)fluoranthene | ND | | 0.0419 | 1 | 12/30/2023 00:21 | WG2196994 |
| Benzo(g,h,i)perylene | ND | | 0.0419 | 1 | 12/30/2023 00:21 | WG2196994 |
| Benzo(k)fluoranthene | ND | | 0.0419 | 1 | 12/30/2023 00:21 | WG2196994 |
| Chrysene | ND | | 0.0419 | 1 | 12/30/2023 00:21 | WG2196994 |
| Dibenz(a,h)anthracene | ND | | 0.0419 | 1 | 12/30/2023 00:21 | WG2196994 |
| Fluoranthene | ND | | 0.0419 | 1 | 12/30/2023 00:21 | WG2196994 |
| Fluorene | ND | | 0.0419 | 1 | 12/30/2023 00:21 | WG2196994 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0419 | 1 | 12/30/2023 00:21 | WG2196994 |
| Naphthalene | ND | | 0.0419 | 1 | 12/30/2023 00:21 | WG2196994 |
| Phenanthrene | ND | | 0.0419 | 1 | 12/30/2023 00:21 | WG2196994 |
| Pyrene | ND | | 0.0419 | 1 | 12/30/2023 00:21 | WG2196994 |
| <i>(S) Nitrobenzene-d5</i> | 78.8 | | 22.0-150 | | 12/30/2023 00:21 | WG2196994 |
| <i>(S) 2-Fluorobiphenyl</i> | 59.5 | | 27.0-135 | | 12/30/2023 00:21 | WG2196994 |
| <i>(S) p-Terphenyl-d14</i> | 56.3 | | 22.0-129 | | 12/30/2023 00:21 | WG2196994 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| Total Solids | 76.8 | | 1 | 12/28/2023 06:40 | WG2196759 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| Lead | 18.3 | | 0.651 | 1 | 12/28/2023 09:29 | WG2196902 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| TPH (GC/MS) Low Fraction | ND | | 0.677 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Acetone | ND | | 0.0677 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Acrylonitrile | ND | | 0.0135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Benzene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Bromobenzene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Bromodichloromethane | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Bromoform | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Bromomethane | ND | | 0.00677 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| n-Butylbenzene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| sec-Butylbenzene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| tert-Butylbenzene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Carbon tetrachloride | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Chlorobenzene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Chlorodibromomethane | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Chloroethane | ND | | 0.00677 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Chloroform | ND | | 0.00677 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Chloromethane | ND | | 0.00338 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 2-Chlorotoluene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 4-Chlorotoluene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00677 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,2-Dibromoethane | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Dibromomethane | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,2-Dichlorobenzene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,3-Dichlorobenzene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,4-Dichlorobenzene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Dichlorodifluoromethane | ND | | 0.00677 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,1-Dichloroethane | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,2-Dichloroethane | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,1-Dichloroethene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| cis-1,2-Dichloroethene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| trans-1,2-Dichloroethene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,2-Dichloropropane | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,1-Dichloropropene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,3-Dichloropropane | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| cis-1,3-Dichloropropene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| trans-1,3-Dichloropropene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 2,2-Dichloropropane | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Di-isopropyl ether | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Ethylbenzene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Hexachloro-1,3-butadiene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Isopropylbenzene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| p-Isopropyltoluene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 2-Butanone (MEK) | ND | | 0.0135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Methylene Chloride | ND | | 0.00677 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0135 | 1.04 | 01/02/2024 20:35 | WG2199608 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Naphthalene | ND | | 0.00677 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| n-Propylbenzene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Styrene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Tetrachloroethene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Toluene | ND | | 0.00677 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,2,3-Trichlorobenzene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,2,4-Trichlorobenzene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,1,1-Trichloroethane | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,1,2-Trichloroethane | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Trichloroethene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Trichlorofluoromethane | ND | | 0.00677 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,2,3-Trichloropropane | ND | | 0.00338 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,2,4-Trimethylbenzene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,2,3-Trimethylbenzene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| 1,3,5-Trimethylbenzene | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Vinyl chloride | ND | | 0.00135 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| Xylenes, Total | ND | | 0.00406 | 1.04 | 01/02/2024 20:35 | WG2199608 |
| (S) Toluene-d8 | 108 | | 75.0-131 | | 01/02/2024 20:35 | WG2199608 |
| (S) 4-Bromofluorobenzene | 97.2 | | 67.0-138 | | 01/02/2024 20:35 | WG2199608 |
| (S) 1,2-Dichloroethane-d4 | 113 | | 70.0-130 | | 01/02/2024 20:35 | WG2199608 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 13.0 | 1 | 12/30/2023 00:42 | WG2196994 |
| ORO | ND | | 13.0 | 1 | 12/30/2023 00:42 | WG2196994 |
| Anthracene | ND | | 0.0430 | 1 | 12/30/2023 00:42 | WG2196994 |
| Acenaphthene | ND | | 0.0430 | 1 | 12/30/2023 00:42 | WG2196994 |
| Acenaphthylene | ND | | 0.0430 | 1 | 12/30/2023 00:42 | WG2196994 |
| Benzo(a)anthracene | ND | | 0.0430 | 1 | 12/30/2023 00:42 | WG2196994 |
| Benzo(a)pyrene | ND | | 0.0430 | 1 | 12/30/2023 00:42 | WG2196994 |
| Benzo(b)fluoranthene | ND | | 0.0430 | 1 | 12/30/2023 00:42 | WG2196994 |
| Benzo(g,h,i)perylene | ND | | 0.0430 | 1 | 12/30/2023 00:42 | WG2196994 |
| Benzo(k)fluoranthene | ND | | 0.0430 | 1 | 12/30/2023 00:42 | WG2196994 |
| Chrysene | ND | | 0.0430 | 1 | 12/30/2023 00:42 | WG2196994 |
| Dibenz(a,h)anthracene | ND | | 0.0430 | 1 | 12/30/2023 00:42 | WG2196994 |
| Fluoranthene | ND | | 0.0430 | 1 | 12/30/2023 00:42 | WG2196994 |
| Fluorene | ND | | 0.0430 | 1 | 12/30/2023 00:42 | WG2196994 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0430 | 1 | 12/30/2023 00:42 | WG2196994 |
| Naphthalene | ND | | 0.0430 | 1 | 12/30/2023 00:42 | WG2196994 |
| Phenanthrene | ND | | 0.0430 | 1 | 12/30/2023 00:42 | WG2196994 |
| Pyrene | ND | | 0.0430 | 1 | 12/30/2023 00:42 | WG2196994 |
| (S) Nitrobenzene-d5 | 76.3 | | 22.0-150 | | 12/30/2023 00:42 | WG2196994 |
| (S) 2-Fluorobiphenyl | 70.9 | | 27.0-135 | | 12/30/2023 00:42 | WG2196994 |
| (S) p-Terphenyl-d14 | 64.5 | | 22.0-129 | | 12/30/2023 00:42 | WG2196994 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| Total Solids | 93.4 | | 1 | 12/28/2023 06:40 | WG2196759 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| Lead | 20.7 | | 0.535 | 1 | 12/28/2023 09:32 | WG2196902 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| TPH (GC/MS) Low Fraction | ND | | 0.642 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Acetone | 1.23 | E | 0.0642 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Acrylonitrile | ND | | 0.0128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Benzene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Bromobenzene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Bromodichloromethane | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Bromoform | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Bromomethane | ND | | 0.00642 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| n-Butylbenzene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| sec-Butylbenzene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| tert-Butylbenzene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Carbon tetrachloride | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Chlorobenzene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Chlorodibromomethane | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Chloroethane | ND | | 0.00642 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Chloroform | ND | | 0.00642 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Chloromethane | ND | | 0.00321 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 2-Chlorotoluene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 4-Chlorotoluene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00642 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,2-Dibromoethane | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Dibromomethane | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,2-Dichlorobenzene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,3-Dichlorobenzene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,4-Dichlorobenzene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Dichlorodifluoromethane | ND | | 0.00642 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,1-Dichloroethane | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,2-Dichloroethane | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,1-Dichloroethene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| cis-1,2-Dichloroethene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| trans-1,2-Dichloroethene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,2-Dichloropropane | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,1-Dichloropropene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,3-Dichloropropane | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| cis-1,3-Dichloropropene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| trans-1,3-Dichloropropene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 2,2-Dichloropropane | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Di-isopropyl ether | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Ethylbenzene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Hexachloro-1,3-butadiene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Isopropylbenzene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| p-Isopropyltoluene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 2-Butanone (MEK) | 0.165 | | 0.0128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Methylene Chloride | ND | | 0.00642 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0128 | 1.2 | 01/02/2024 20:56 | WG2199608 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Naphthalene | ND | | 0.00642 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| n-Propylbenzene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Styrene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Tetrachloroethene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Toluene | ND | | 0.00642 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,2,3-Trichlorobenzene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,2,4-Trichlorobenzene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,1,1-Trichloroethane | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,1,2-Trichloroethane | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Trichloroethene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Trichlorofluoromethane | ND | | 0.00642 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,2,3-Trichloropropane | ND | | 0.00321 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,2,4-Trimethylbenzene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,2,3-Trimethylbenzene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| 1,3,5-Trimethylbenzene | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Vinyl chloride | ND | | 0.00128 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| Xylenes, Total | ND | | 0.00385 | 1.2 | 01/02/2024 20:56 | WG2199608 |
| <i>(S) Toluene-d8</i> | 101 | | 75.0-131 | | 01/02/2024 20:56 | WG2199608 |
| <i>(S) 4-Bromofluorobenzene</i> | 93.1 | | 67.0-138 | | 01/02/2024 20:56 | WG2199608 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 114 | | 70.0-130 | | 01/02/2024 20:56 | WG2199608 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|-----------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 10.7 | 1 | 12/30/2023 01:03 | WG2196994 |
| ORO | ND | | 10.7 | 1 | 12/30/2023 01:03 | WG2196994 |
| Anthracene | ND | | 0.0353 | 1 | 12/30/2023 01:03 | WG2196994 |
| Acenaphthene | ND | | 0.0353 | 1 | 12/30/2023 01:03 | WG2196994 |
| Acenaphthylene | ND | | 0.0353 | 1 | 12/30/2023 01:03 | WG2196994 |
| Benzo(a)anthracene | ND | | 0.0353 | 1 | 12/30/2023 01:03 | WG2196994 |
| Benzo(a)pyrene | ND | | 0.0353 | 1 | 12/30/2023 01:03 | WG2196994 |
| Benzo(b)fluoranthene | ND | | 0.0353 | 1 | 12/30/2023 01:03 | WG2196994 |
| Benzo(g,h,i)perylene | ND | | 0.0353 | 1 | 12/30/2023 01:03 | WG2196994 |
| Benzo(k)fluoranthene | ND | | 0.0353 | 1 | 12/30/2023 01:03 | WG2196994 |
| Chrysene | ND | | 0.0353 | 1 | 12/30/2023 01:03 | WG2196994 |
| Dibenz(a,h)anthracene | ND | | 0.0353 | 1 | 12/30/2023 01:03 | WG2196994 |
| Fluoranthene | ND | | 0.0353 | 1 | 12/30/2023 01:03 | WG2196994 |
| Fluorene | ND | | 0.0353 | 1 | 12/30/2023 01:03 | WG2196994 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0353 | 1 | 12/30/2023 01:03 | WG2196994 |
| Naphthalene | ND | | 0.0353 | 1 | 12/30/2023 01:03 | WG2196994 |
| Phenanthrene | ND | | 0.0353 | 1 | 12/30/2023 01:03 | WG2196994 |
| Pyrene | ND | | 0.0353 | 1 | 12/30/2023 01:03 | WG2196994 |
| <i>(S) Nitrobenzene-d5</i> | 71.8 | | 22.0-150 | | 12/30/2023 01:03 | WG2196994 |
| <i>(S) 2-Fluorobiphenyl</i> | 74.9 | | 27.0-135 | | 12/30/2023 01:03 | WG2196994 |
| <i>(S) p-Terphenyl-d14</i> | 74.4 | | 22.0-129 | | 12/30/2023 01:03 | WG2196994 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 74.6 | | 1 | 12/28/2023 06:40 | WG2196759 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 11.3 | | 0.671 | 1 | 12/28/2023 09:35 | WG2196902 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | 1.23 | | 0.671 | 1 | 01/02/2024 16:43 | WG2199030 |
| Acetone | ND | | 0.0671 | 1 | 01/02/2024 16:43 | WG2199030 |
| Acrylonitrile | ND | | 0.0134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Benzene | 0.131 | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Bromobenzene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Bromodichloromethane | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Bromoform | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Bromomethane | ND | | 0.00671 | 1 | 01/02/2024 16:43 | WG2199030 |
| n-Butylbenzene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| sec-Butylbenzene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| tert-Butylbenzene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Carbon tetrachloride | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Chlorobenzene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Chlorodibromomethane | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Chloroethane | ND | | 0.00671 | 1 | 01/02/2024 16:43 | WG2199030 |
| Chloroform | ND | | 0.00671 | 1 | 01/02/2024 16:43 | WG2199030 |
| Chloromethane | ND | | 0.00335 | 1 | 01/02/2024 16:43 | WG2199030 |
| 2-Chlorotoluene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 4-Chlorotoluene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00671 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,2-Dibromoethane | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Dibromomethane | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,2-Dichlorobenzene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,3-Dichlorobenzene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,4-Dichlorobenzene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Dichlorodifluoromethane | ND | | 0.00671 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,1-Dichloroethane | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,2-Dichloroethane | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,1-Dichloroethene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| cis-1,2-Dichloroethene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| trans-1,2-Dichloroethene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,2-Dichloropropane | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,1-Dichloropropene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,3-Dichloropropane | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| cis-1,3-Dichloropropene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| trans-1,3-Dichloropropene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 2,2-Dichloropropane | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Di-isopropyl ether | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Ethylbenzene | 0.00342 | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Hexachloro-1,3-butadiene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Isopropylbenzene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| p-Isopropyltoluene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 2-Butanone (MEK) | ND | | 0.0134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Methylene Chloride | ND | | 0.00671 | 1 | 01/02/2024 16:43 | WG2199030 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0134 | 1 | 01/02/2024 16:43 | WG2199030 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | 0.304 | IE | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Methyl tert-butyl ether | 0.635 | IQ | 0.0424 | 25 | 01/05/2024 13:24 | WG2201073 |
| Naphthalene | ND | | 0.00671 | 1 | 01/02/2024 16:43 | WG2199030 |
| n-Propylbenzene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Styrene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Tetrachloroethene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Toluene | ND | | 0.00671 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,2,3-Trichlorobenzene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,2,4-Trichlorobenzene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,1,1-Trichloroethane | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,1,2-Trichloroethane | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Trichloroethene | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Trichlorofluoromethane | ND | | 0.00671 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,2,3-Trichloropropane | ND | | 0.00335 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,2,4-Trimethylbenzene | 0.0118 | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,2,3-Trimethylbenzene | 0.00176 | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| 1,3,5-Trimethylbenzene | 0.00239 | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Vinyl chloride | ND | | 0.00134 | 1 | 01/02/2024 16:43 | WG2199030 |
| Xylenes, Total | 0.0128 | | 0.00402 | 1 | 01/02/2024 16:43 | WG2199030 |
| (S) Toluene-d8 | 97.2 | | 75.0-131 | | 01/02/2024 16:43 | WG2199030 |
| (S) Toluene-d8 | 98.6 | | 75.0-131 | | 01/05/2024 13:24 | WG2201073 |
| (S) 4-Bromofluorobenzene | 88.7 | | 67.0-138 | | 01/02/2024 16:43 | WG2199030 |
| (S) 4-Bromofluorobenzene | 107 | | 67.0-138 | | 01/05/2024 13:24 | WG2201073 |
| (S) 1,2-Dichloroethane-d4 | 117 | | 70.0-130 | | 01/02/2024 16:43 | WG2199030 |
| (S) 1,2-Dichloroethane-d4 | 96.5 | | 70.0-130 | | 01/05/2024 13:24 | WG2201073 |



Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 13.4 | 1 | 12/30/2023 01:24 | WG2196994 |
| ORO | ND | | 13.4 | 1 | 12/30/2023 01:24 | WG2196994 |
| Anthracene | ND | | 0.0443 | 1 | 12/30/2023 01:24 | WG2196994 |
| Acenaphthene | ND | | 0.0443 | 1 | 12/30/2023 01:24 | WG2196994 |
| Acenaphthylene | ND | | 0.0443 | 1 | 12/30/2023 01:24 | WG2196994 |
| Benzo(a)anthracene | ND | | 0.0443 | 1 | 12/30/2023 01:24 | WG2196994 |
| Benzo(a)pyrene | ND | | 0.0443 | 1 | 12/30/2023 01:24 | WG2196994 |
| Benzo(b)fluoranthene | ND | | 0.0443 | 1 | 12/30/2023 01:24 | WG2196994 |
| Benzo(g,h,i)perylene | ND | | 0.0443 | 1 | 12/30/2023 01:24 | WG2196994 |
| Benzo(k)fluoranthene | ND | | 0.0443 | 1 | 12/30/2023 01:24 | WG2196994 |
| Chrysene | ND | | 0.0443 | 1 | 12/30/2023 01:24 | WG2196994 |
| Dibenz(a,h)anthracene | ND | | 0.0443 | 1 | 12/30/2023 01:24 | WG2196994 |
| Fluoranthene | ND | | 0.0443 | 1 | 12/30/2023 01:24 | WG2196994 |
| Fluorene | ND | | 0.0443 | 1 | 12/30/2023 01:24 | WG2196994 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0443 | 1 | 12/30/2023 01:24 | WG2196994 |
| Naphthalene | ND | | 0.0443 | 1 | 12/30/2023 01:24 | WG2196994 |
| Phenanthrene | ND | | 0.0443 | 1 | 12/30/2023 01:24 | WG2196994 |
| Pyrene | ND | | 0.0443 | 1 | 12/30/2023 01:24 | WG2196994 |
| (S) Nitrobenzene-d5 | 70.2 | | 22.0-150 | | 12/30/2023 01:24 | WG2196994 |
| (S) 2-Fluorobiphenyl | 60.4 | | 27.0-135 | | 12/30/2023 01:24 | WG2196994 |
| (S) p-Terphenyl-d14 | 51.2 | | 22.0-129 | | 12/30/2023 01:24 | WG2196994 |

Total Solids by Method 2540 G-2011

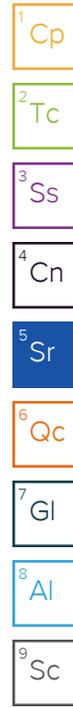
| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 79.9 | | 1 | 12/28/2023 06:40 | WG2196759 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 17.4 | | 0.625 | 1 | 12/28/2023 09:38 | WG2196902 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.625 | 1 | 01/02/2024 17:04 | WG2199030 |
| Acetone | ND | | 0.0625 | 1 | 01/02/2024 17:04 | WG2199030 |
| Acrylonitrile | ND | | 0.0125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Benzene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Bromobenzene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Bromodichloromethane | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Bromoform | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Bromomethane | ND | | 0.00625 | 1 | 01/02/2024 17:04 | WG2199030 |
| n-Butylbenzene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| sec-Butylbenzene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| tert-Butylbenzene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Carbon tetrachloride | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Chlorobenzene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Chlorodibromomethane | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Chloroethane | ND | | 0.00625 | 1 | 01/02/2024 17:04 | WG2199030 |
| Chloroform | ND | | 0.00625 | 1 | 01/02/2024 17:04 | WG2199030 |
| Chloromethane | ND | | 0.00313 | 1 | 01/02/2024 17:04 | WG2199030 |
| 2-Chlorotoluene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 4-Chlorotoluene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00625 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,2-Dibromoethane | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Dibromomethane | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,2-Dichlorobenzene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,3-Dichlorobenzene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,4-Dichlorobenzene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Dichlorodifluoromethane | ND | | 0.00625 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,1-Dichloroethane | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,2-Dichloroethane | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,1-Dichloroethene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| cis-1,2-Dichloroethene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| trans-1,2-Dichloroethene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,2-Dichloropropane | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,1-Dichloropropene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,3-Dichloropropane | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| cis-1,3-Dichloropropene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| trans-1,3-Dichloropropene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 2,2-Dichloropropane | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Di-isopropyl ether | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Ethylbenzene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Hexachloro-1,3-butadiene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Isopropylbenzene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| p-Isopropyltoluene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 2-Butanone (MEK) | ND | | 0.0125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Methylene Chloride | ND | | 0.00625 | 1 | 01/02/2024 17:04 | WG2199030 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0125 | 1 | 01/02/2024 17:04 | WG2199030 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Naphthalene | ND | | 0.00625 | 1 | 01/02/2024 17:04 | WG2199030 |
| n-Propylbenzene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Styrene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Tetrachloroethene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Toluene | ND | | 0.00625 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,2,3-Trichlorobenzene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,2,4-Trichlorobenzene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,1,1-Trichloroethane | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,1,2-Trichloroethane | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Trichloroethene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Trichlorofluoromethane | ND | | 0.00625 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,2,3-Trichloropropane | ND | | 0.00313 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,2,4-Trimethylbenzene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,2,3-Trimethylbenzene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| 1,3,5-Trimethylbenzene | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Vinyl chloride | ND | | 0.00125 | 1 | 01/02/2024 17:04 | WG2199030 |
| Xylenes, Total | ND | | 0.00375 | 1 | 01/02/2024 17:04 | WG2199030 |
| <i>(S) Toluene-d8</i> | 102 | | 75.0-131 | | 01/02/2024 17:04 | WG2199030 |
| <i>(S) 4-Bromofluorobenzene</i> | 92.8 | | 67.0-138 | | 01/02/2024 17:04 | WG2199030 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 117 | | 70.0-130 | | 01/02/2024 17:04 | WG2199030 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|-----------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 12.5 | 1 | 12/30/2023 01:45 | WG2196994 |
| ORO | ND | | 12.5 | 1 | 12/30/2023 01:45 | WG2196994 |
| Anthracene | ND | | 0.0413 | 1 | 12/30/2023 01:45 | WG2196994 |
| Acenaphthene | ND | | 0.0413 | 1 | 12/30/2023 01:45 | WG2196994 |
| Acenaphthylene | ND | | 0.0413 | 1 | 12/30/2023 01:45 | WG2196994 |
| Benzo(a)anthracene | ND | | 0.0413 | 1 | 12/30/2023 01:45 | WG2196994 |
| Benzo(a)pyrene | ND | | 0.0413 | 1 | 12/30/2023 01:45 | WG2196994 |
| Benzo(b)fluoranthene | ND | | 0.0413 | 1 | 12/30/2023 01:45 | WG2196994 |
| Benzo(g,h,i)perylene | ND | | 0.0413 | 1 | 12/30/2023 01:45 | WG2196994 |
| Benzo(k)fluoranthene | ND | | 0.0413 | 1 | 12/30/2023 01:45 | WG2196994 |
| Chrysene | ND | | 0.0413 | 1 | 12/30/2023 01:45 | WG2196994 |
| Dibenz(a,h)anthracene | ND | | 0.0413 | 1 | 12/30/2023 01:45 | WG2196994 |
| Fluoranthene | ND | | 0.0413 | 1 | 12/30/2023 01:45 | WG2196994 |
| Fluorene | ND | | 0.0413 | 1 | 12/30/2023 01:45 | WG2196994 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0413 | 1 | 12/30/2023 01:45 | WG2196994 |
| Naphthalene | ND | | 0.0413 | 1 | 12/30/2023 01:45 | WG2196994 |
| Phenanthrene | ND | | 0.0413 | 1 | 12/30/2023 01:45 | WG2196994 |
| Pyrene | ND | | 0.0413 | 1 | 12/30/2023 01:45 | WG2196994 |
| <i>(S) Nitrobenzene-d5</i> | 71.9 | | 22.0-150 | | 12/30/2023 01:45 | WG2196994 |
| <i>(S) 2-Fluorobiphenyl</i> | 50.6 | | 27.0-135 | | 12/30/2023 01:45 | WG2196994 |
| <i>(S) p-Terphenyl-d14</i> | 43.0 | | 22.0-129 | | 12/30/2023 01:45 | WG2196994 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 78.5 | | 1 | 12/28/2023 06:40 | WG2196759 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 13.6 | | 0.637 | 1 | 12/28/2023 09:41 | WG2196902 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.637 | 1 | 01/02/2024 17:25 | WG2199030 |
| Acetone | ND | | 0.0637 | 1 | 01/02/2024 17:25 | WG2199030 |
| Acrylonitrile | ND | | 0.0127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Benzene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Bromobenzene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Bromodichloromethane | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Bromoform | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Bromomethane | ND | | 0.00637 | 1 | 01/02/2024 17:25 | WG2199030 |
| n-Butylbenzene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| sec-Butylbenzene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| tert-Butylbenzene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Carbon tetrachloride | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Chlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Chlorodibromomethane | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Chloroethane | ND | | 0.00637 | 1 | 01/02/2024 17:25 | WG2199030 |
| Chloroform | ND | | 0.00637 | 1 | 01/02/2024 17:25 | WG2199030 |
| Chloromethane | ND | | 0.00318 | 1 | 01/02/2024 17:25 | WG2199030 |
| 2-Chlorotoluene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 4-Chlorotoluene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00637 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,2-Dibromoethane | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Dibromomethane | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,2-Dichlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,3-Dichlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,4-Dichlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Dichlorodifluoromethane | ND | | 0.00637 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,1-Dichloroethane | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,2-Dichloroethane | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,1-Dichloroethene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| cis-1,2-Dichloroethene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| trans-1,2-Dichloroethene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,2-Dichloropropane | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,1-Dichloropropene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,3-Dichloropropane | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| cis-1,3-Dichloropropene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| trans-1,3-Dichloropropene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 2,2-Dichloropropane | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Di-isopropyl ether | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Ethylbenzene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Hexachloro-1,3-butadiene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Isopropylbenzene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| p-Isopropyltoluene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 2-Butanone (MEK) | ND | | 0.0127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Methylene Chloride | ND | | 0.00637 | 1 | 01/02/2024 17:25 | WG2199030 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0127 | 1 | 01/02/2024 17:25 | WG2199030 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Naphthalene | ND | | 0.00637 | 1 | 01/02/2024 17:25 | WG2199030 |
| n-Propylbenzene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Styrene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Tetrachloroethene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Toluene | ND | | 0.00637 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,2,3-Trichlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,2,4-Trichlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,1,1-Trichloroethane | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,1,2-Trichloroethane | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Trichloroethene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Trichlorofluoromethane | ND | | 0.00637 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,2,3-Trichloropropane | ND | | 0.00318 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,2,4-Trimethylbenzene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,2,3-Trimethylbenzene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| 1,3,5-Trimethylbenzene | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Vinyl chloride | ND | | 0.00127 | 1 | 01/02/2024 17:25 | WG2199030 |
| Xylenes, Total | ND | | 0.00382 | 1 | 01/02/2024 17:25 | WG2199030 |
| <i>(S) Toluene-d8</i> | 103 | | 75.0-131 | | 01/02/2024 17:25 | WG2199030 |
| <i>(S) 4-Bromofluorobenzene</i> | 91.3 | | 67.0-138 | | 01/02/2024 17:25 | WG2199030 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 112 | | 70.0-130 | | 01/02/2024 17:25 | WG2199030 |



Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|-----------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 12.7 | 1 | 12/30/2023 02:06 | WG2196994 |
| ORO | ND | | 12.7 | 1 | 12/30/2023 02:06 | WG2196994 |
| Anthracene | ND | | 0.0420 | 1 | 12/30/2023 02:06 | WG2196994 |
| Acenaphthene | ND | | 0.0420 | 1 | 12/30/2023 02:06 | WG2196994 |
| Acenaphthylene | ND | | 0.0420 | 1 | 12/30/2023 02:06 | WG2196994 |
| Benzo(a)anthracene | ND | | 0.0420 | 1 | 12/30/2023 02:06 | WG2196994 |
| Benzo(a)pyrene | ND | | 0.0420 | 1 | 12/30/2023 02:06 | WG2196994 |
| Benzo(b)fluoranthene | ND | | 0.0420 | 1 | 12/30/2023 02:06 | WG2196994 |
| Benzo(g,h,i)perylene | ND | | 0.0420 | 1 | 12/30/2023 02:06 | WG2196994 |
| Benzo(k)fluoranthene | ND | | 0.0420 | 1 | 12/30/2023 02:06 | WG2196994 |
| Chrysene | ND | | 0.0420 | 1 | 12/30/2023 02:06 | WG2196994 |
| Dibenz(a,h)anthracene | ND | | 0.0420 | 1 | 12/30/2023 02:06 | WG2196994 |
| Fluoranthene | ND | | 0.0420 | 1 | 12/30/2023 02:06 | WG2196994 |
| Fluorene | ND | | 0.0420 | 1 | 12/30/2023 02:06 | WG2196994 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0420 | 1 | 12/30/2023 02:06 | WG2196994 |
| Naphthalene | ND | | 0.0420 | 1 | 12/30/2023 02:06 | WG2196994 |
| Phenanthrene | ND | | 0.0420 | 1 | 12/30/2023 02:06 | WG2196994 |
| Pyrene | ND | | 0.0420 | 1 | 12/30/2023 02:06 | WG2196994 |
| <i>(S) Nitrobenzene-d5</i> | 68.8 | | 22.0-150 | | 12/30/2023 02:06 | WG2196994 |
| <i>(S) 2-Fluorobiphenyl</i> | 64.7 | | 27.0-135 | | 12/30/2023 02:06 | WG2196994 |
| <i>(S) p-Terphenyl-d14</i> | 59.7 | | 22.0-129 | | 12/30/2023 02:06 | WG2196994 |

Total Solids by Method 2540 G-2011

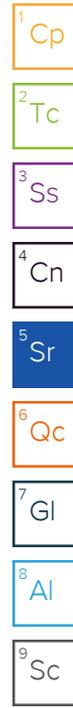
| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| Total Solids | 89.9 | | 1 | 12/28/2023 06:40 | WG2196759 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| Lead | 6.03 | | 0.556 | 1 | 12/28/2023 09:44 | WG2196902 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| TPH (GC/MS) Low Fraction | ND | | 0.973 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Acetone | 1.27 | E | 0.0973 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Acrylonitrile | ND | | 0.0195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Benzene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Bromobenzene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Bromodichloromethane | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Bromoform | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Bromomethane | ND | | 0.00973 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| n-Butylbenzene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| sec-Butylbenzene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| tert-Butylbenzene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Carbon tetrachloride | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Chlorobenzene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Chlorodibromomethane | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Chloroethane | ND | | 0.00973 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Chloroform | ND | | 0.00973 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Chloromethane | ND | | 0.00487 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 2-Chlorotoluene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 4-Chlorotoluene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00973 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,2-Dibromoethane | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Dibromomethane | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,2-Dichlorobenzene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,3-Dichlorobenzene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,4-Dichlorobenzene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Dichlorodifluoromethane | ND | | 0.00973 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,1-Dichloroethane | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,2-Dichloroethane | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,1-Dichloroethene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| cis-1,2-Dichloroethene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| trans-1,2-Dichloroethene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,2-Dichloropropane | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,1-Dichloropropene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,3-Dichloropropane | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| cis-1,3-Dichloropropene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| trans-1,3-Dichloropropene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 2,2-Dichloropropane | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Di-isopropyl ether | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Ethylbenzene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Hexachloro-1,3-butadiene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Isopropylbenzene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| p-Isopropyltoluene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 2-Butanone (MEK) | 0.158 | | 0.0195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Methylene Chloride | ND | | 0.00973 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0195 | 1.75 | 01/02/2024 17:46 | WG2199030 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Naphthalene | ND | | 0.00973 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| n-Propylbenzene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Styrene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Tetrachloroethene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Toluene | ND | | 0.00973 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,2,3-Trichlorobenzene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,2,4-Trichlorobenzene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,1,1-Trichloroethane | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,1,2-Trichloroethane | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Trichloroethene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Trichlorofluoromethane | ND | | 0.00973 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,2,3-Trichloropropane | ND | | 0.00487 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,2,4-Trimethylbenzene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,2,3-Trimethylbenzene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| 1,3,5-Trimethylbenzene | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Vinyl chloride | ND | | 0.00195 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| Xylenes, Total | 0.00674 | | 0.00584 | 1.75 | 01/02/2024 17:46 | WG2199030 |
| <i>(S) Toluene-d8</i> | 105 | | 75.0-131 | | 01/02/2024 17:46 | WG2199030 |
| <i>(S) 4-Bromofluorobenzene</i> | 92.8 | | 67.0-138 | | 01/02/2024 17:46 | WG2199030 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 111 | | 70.0-130 | | 01/02/2024 17:46 | WG2199030 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|-----------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 11.1 | 1 | 12/30/2023 02:27 | WG2196994 |
| ORO | ND | | 11.1 | 1 | 12/30/2023 02:27 | WG2196994 |
| Anthracene | ND | | 0.0367 | 1 | 12/30/2023 02:27 | WG2196994 |
| Acenaphthene | ND | | 0.0367 | 1 | 12/30/2023 02:27 | WG2196994 |
| Acenaphthylene | ND | | 0.0367 | 1 | 12/30/2023 02:27 | WG2196994 |
| Benzo(a)anthracene | ND | | 0.0367 | 1 | 12/30/2023 02:27 | WG2196994 |
| Benzo(a)pyrene | ND | | 0.0367 | 1 | 12/30/2023 02:27 | WG2196994 |
| Benzo(b)fluoranthene | ND | | 0.0367 | 1 | 12/30/2023 02:27 | WG2196994 |
| Benzo(g,h,i)perylene | ND | | 0.0367 | 1 | 12/30/2023 02:27 | WG2196994 |
| Benzo(k)fluoranthene | ND | | 0.0367 | 1 | 12/30/2023 02:27 | WG2196994 |
| Chrysene | ND | | 0.0367 | 1 | 12/30/2023 02:27 | WG2196994 |
| Dibenz(a,h)anthracene | ND | | 0.0367 | 1 | 12/30/2023 02:27 | WG2196994 |
| Fluoranthene | ND | | 0.0367 | 1 | 12/30/2023 02:27 | WG2196994 |
| Fluorene | ND | | 0.0367 | 1 | 12/30/2023 02:27 | WG2196994 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0367 | 1 | 12/30/2023 02:27 | WG2196994 |
| Naphthalene | ND | | 0.0367 | 1 | 12/30/2023 02:27 | WG2196994 |
| Phenanthrene | ND | | 0.0367 | 1 | 12/30/2023 02:27 | WG2196994 |
| Pyrene | ND | | 0.0367 | 1 | 12/30/2023 02:27 | WG2196994 |
| <i>(S) Nitrobenzene-d5</i> | 68.8 | | 22.0-150 | | 12/30/2023 02:27 | WG2196994 |
| <i>(S) 2-Fluorobiphenyl</i> | 64.7 | | 27.0-135 | | 12/30/2023 02:27 | WG2196994 |
| <i>(S) p-Terphenyl-d14</i> | 66.7 | | 22.0-129 | | 12/30/2023 02:27 | WG2196994 |

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| Total Solids | 78.5 | | 1 | 12/28/2023 06:40 | WG2196759 |

Metals (ICP) by Method 6010B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|---------|--------------|-----------|-----------|----------|------------------|---------------------------|
| Lead | 21.2 | | 0.637 | 1 | 12/28/2023 09:47 | WG2196902 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis | Batch |
|-----------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
| TPH (GC/MS) Low Fraction | ND | | 0.637 | 1 | 01/02/2024 18:07 | WG2199030 |
| Acetone | 0.0809 | | 0.0637 | 1 | 01/04/2024 23:03 | WG2201068 |
| Acrylonitrile | ND | | 0.0127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Benzene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Bromobenzene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Bromodichloromethane | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Bromoform | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Bromomethane | ND | | 0.00637 | 1 | 01/02/2024 18:07 | WG2199030 |
| n-Butylbenzene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| sec-Butylbenzene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| tert-Butylbenzene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Carbon tetrachloride | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Chlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Chlorodibromomethane | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Chloroethane | ND | | 0.00637 | 1 | 01/02/2024 18:07 | WG2199030 |
| Chloroform | ND | | 0.00637 | 1 | 01/02/2024 18:07 | WG2199030 |
| Chloromethane | ND | | 0.00318 | 1 | 01/02/2024 18:07 | WG2199030 |
| 2-Chlorotoluene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 4-Chlorotoluene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00637 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,2-Dibromoethane | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Dibromomethane | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,2-Dichlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,3-Dichlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,4-Dichlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Dichlorodifluoromethane | ND | | 0.00637 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,1-Dichloroethane | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,2-Dichloroethane | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,1-Dichloroethene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| cis-1,2-Dichloroethene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| trans-1,2-Dichloroethene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,2-Dichloropropane | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,1-Dichloropropene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,3-Dichloropropane | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| cis-1,3-Dichloropropene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| trans-1,3-Dichloropropene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 2,2-Dichloropropane | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Di-isopropyl ether | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Ethylbenzene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Hexachloro-1,3-butadiene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Isopropylbenzene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| p-Isopropyltoluene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 2-Butanone (MEK) | ND | | 0.0127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Methylene Chloride | ND | | 0.00637 | 1 | 01/02/2024 18:07 | WG2199030 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0127 | 1 | 01/02/2024 18:07 | WG2199030 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Methyl tert-butyl ether | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Naphthalene | ND | | 0.00637 | 1 | 01/02/2024 18:07 | WG2199030 |
| n-Propylbenzene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Styrene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Tetrachloroethene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Toluene | ND | | 0.00637 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,2,3-Trichlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,2,4-Trichlorobenzene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,1,1-Trichloroethane | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,1,2-Trichloroethane | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Trichloroethene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Trichlorofluoromethane | ND | | 0.00637 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,2,3-Trichloropropane | ND | | 0.00318 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,2,4-Trimethylbenzene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,2,3-Trimethylbenzene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| 1,3,5-Trimethylbenzene | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Vinyl chloride | ND | | 0.00127 | 1 | 01/02/2024 18:07 | WG2199030 |
| Xylenes, Total | ND | | 0.00382 | 1 | 01/02/2024 18:07 | WG2199030 |
| (S) Toluene-d8 | 101 | | 75.0-131 | | 01/02/2024 18:07 | WG2199030 |
| (S) Toluene-d8 | 99.6 | | 75.0-131 | | 01/04/2024 23:03 | WG2201068 |
| (S) 4-Bromofluorobenzene | 93.3 | | 67.0-138 | | 01/02/2024 18:07 | WG2199030 |
| (S) 4-Bromofluorobenzene | 95.7 | | 67.0-138 | | 01/04/2024 23:03 | WG2201068 |
| (S) 1,2-Dichloroethane-d4 | 110 | | 70.0-130 | | 01/02/2024 18:07 | WG2199030 |
| (S) 1,2-Dichloroethane-d4 | 115 | | 70.0-130 | | 01/04/2024 23:03 | WG2201068 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result (dry) mg/kg | Qualifier | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| DRO | ND | | 12.7 | 1 | 12/30/2023 02:48 | WG2196994 |
| ORO | ND | | 12.7 | 1 | 12/30/2023 02:48 | WG2196994 |
| Anthracene | ND | | 0.0420 | 1 | 12/30/2023 02:48 | WG2196994 |
| Acenaphthene | ND | | 0.0420 | 1 | 12/30/2023 02:48 | WG2196994 |
| Acenaphthylene | ND | | 0.0420 | 1 | 12/30/2023 02:48 | WG2196994 |
| Benzo(a)anthracene | ND | | 0.0420 | 1 | 12/30/2023 02:48 | WG2196994 |
| Benzo(a)pyrene | ND | | 0.0420 | 1 | 12/30/2023 02:48 | WG2196994 |
| Benzo(b)fluoranthene | ND | | 0.0420 | 1 | 12/30/2023 02:48 | WG2196994 |
| Benzo(g,h,i)perylene | ND | | 0.0420 | 1 | 12/30/2023 02:48 | WG2196994 |
| Benzo(k)fluoranthene | ND | | 0.0420 | 1 | 12/30/2023 02:48 | WG2196994 |
| Chrysene | ND | | 0.0420 | 1 | 12/30/2023 02:48 | WG2196994 |
| Dibenz(a,h)anthracene | ND | | 0.0420 | 1 | 12/30/2023 02:48 | WG2196994 |
| Fluoranthene | ND | | 0.0420 | 1 | 12/30/2023 02:48 | WG2196994 |
| Fluorene | ND | | 0.0420 | 1 | 12/30/2023 02:48 | WG2196994 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.0420 | 1 | 12/30/2023 02:48 | WG2196994 |
| Naphthalene | ND | | 0.0420 | 1 | 12/30/2023 02:48 | WG2196994 |
| Phenanthrene | ND | | 0.0420 | 1 | 12/30/2023 02:48 | WG2196994 |
| Pyrene | ND | | 0.0420 | 1 | 12/30/2023 02:48 | WG2196994 |
| (S) Nitrobenzene-d5 | 66.8 | | 22.0-150 | | 12/30/2023 02:48 | WG2196994 |
| (S) 2-Fluorobiphenyl | 47.1 | | 27.0-135 | | 12/30/2023 02:48 | WG2196994 |
| (S) p-Terphenyl-d14 | 46.2 | | 22.0-129 | | 12/30/2023 02:48 | WG2196994 |

Method Blank (MB)

(MB) R4017929-1 12/28/23 06:51

| Analyte | MB Result % | <u>MB Qualifier</u> | MB MDL % | MB RDL % |
|--------------|----------------|---------------------|-------------|-------------|
| Total Solids | 0.00300 | | | |

1 Cp

2 Tc

3 Ss

L1690609-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1690609-01 12/28/23 06:51 • (DUP) R4017929-3 12/28/23 06:51

| Analyte | Original Result % | DUP Result % | Dilution | DUP RPD % | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|----------------------|-----------------|----------|--------------|----------------------|-------------------|
| Total Solids | 81.5 | 82.2 | 1 | 0.862 | | 10 |

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4017929-2 12/28/23 06:51

| Analyte | Spike Amount % | LCS Result % | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|--------------|-------------------|-----------------|---------------|------------------|----------------------|
| Total Solids | 50.0 | 50.0 | 99.9 | 90.0-110 | |

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4017932-1 12/28/23 07:04

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| | % | | % | % |
| Total Solids | 0.00300 | | | |

1 Cp

2 Tc

3 Ss

L1690609-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1690609-12 12/28/23 07:04 • (DUP) R4017932-3 12/28/23 07:04

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| | % | % | | % | | % |
| Total Solids | 81.6 | 79.8 | 1 | 2.22 | | 10 |

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4017932-2 12/28/23 07:04

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 90.0-110 | |

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4017926-1 12/28/23 06:40

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| | % | | % | % |
| Total Solids | 0.00100 | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1690609-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1690609-22 12/28/23 06:40 • (DUP) R4017926-3 12/28/23 06:40

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| | % | % | | % | | % |
| Total Solids | 88.3 | 89.0 | 1 | 0.734 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R4017926-2 12/28/23 06:40

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 90.0-110 | |

Method Blank (MB)

(MB) R4017704-1 12/28/23 08:54

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------|--------------------|--------------|-----------------|-----------------|
| Lead | U | | 0.208 | 0.500 |

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R4017704-2 12/28/23 08:57

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------|-----------------------|---------------------|---------------|------------------|---------------|
| Lead | 100 | 101 | 101 | 80.0-120 | |

⁴Cn

⁵Sr

L1690609-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690609-22 12/28/23 09:00 • (MS) R4017704-5 12/28/23 09:08 • (MSD) R4017704-6 12/28/23 09:11

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---------|-----------------------------|--------------------------------|--------------------------|---------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Lead | 113 | 26.6 | 136 | 114 | 96.7 | 77.3 | 1 | 75.0-125 | | | 17.5 | 20 |

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4017866-1 12/28/23 15:40

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------|--------------------|--------------|-----------------|-----------------|
| Lead | U | | 0.208 | 0.500 |

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R4017866-2 12/28/23 15:42

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------|-----------------------|---------------------|---------------|------------------|---------------|
| Lead | 100 | 85.3 | 85.3 | 80.0-120 | |

⁴Cn

⁵Sr

L1690609-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690609-01 12/28/23 15:45 • (MS) R4017866-5 12/28/23 16:02 • (MSD) R4017866-6 12/28/23 16:05

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---------|-----------------------------|--------------------------------|--------------------------|---------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Lead | 123 | 12.0 | 137 | 129 | 102 | 95.3 | 1 | 75.0-125 | | | 6.34 | 20 |

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4018667-3 12/29/23 16:09

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|-----------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/MS) Low Fraction | U | | 0.183 | 0.500 |
| Acetone | U | | 0.0207 | 0.0500 |
| Acrylonitrile | U | | 0.00202 | 0.0100 |
| Benzene | U | | 0.000375 | 0.00100 |
| Bromobenzene | U | | 0.000275 | 0.00100 |
| Bromodichloromethane | U | | 0.000725 | 0.00100 |
| Bromoform | U | | 0.000424 | 0.00100 |
| Bromomethane | U | | 0.00117 | 0.00500 |
| n-Butylbenzene | U | | 0.000258 | 0.00100 |
| sec-Butylbenzene | U | | 0.000201 | 0.00100 |
| tert-Butylbenzene | U | | 0.000206 | 0.00100 |
| Carbon tetrachloride | U | | 0.000248 | 0.00100 |
| Chlorobenzene | U | | 0.000192 | 0.00100 |
| Chlorodibromomethane | U | | 0.000224 | 0.00100 |
| Chloroethane | U | | 0.00100 | 0.00500 |
| Chloroform | U | | 0.00103 | 0.00500 |
| Chloromethane | U | | 0.000650 | 0.00250 |
| 2-Chlorotoluene | U | | 0.000225 | 0.00100 |
| 4-Chlorotoluene | U | | 0.000691 | 0.00100 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.00190 | 0.00500 |
| 1,2-Dibromoethane | U | | 0.000250 | 0.00100 |
| Dibromomethane | U | | 0.000350 | 0.00100 |
| 1,2-Dichlorobenzene | U | | 0.000425 | 0.00100 |
| 1,3-Dichlorobenzene | U | | 0.000600 | 0.00100 |
| 1,4-Dichlorobenzene | U | | 0.000830 | 0.00100 |
| Dichlorodifluoromethane | U | | 0.000287 | 0.00500 |
| 1,1-Dichloroethane | U | | 0.000268 | 0.00100 |
| 1,2-Dichloroethane | U | | 0.000450 | 0.00100 |
| 1,1-Dichloroethene | U | | 0.000355 | 0.00100 |
| cis-1,2-Dichloroethene | U | | 0.000475 | 0.00100 |
| trans-1,2-Dichloroethene | U | | 0.000500 | 0.00100 |
| 1,2-Dichloropropane | U | | 0.000164 | 0.00100 |
| 1,1-Dichloropropene | U | | 0.000375 | 0.00100 |
| 1,3-Dichloropropane | U | | 0.000225 | 0.00100 |
| cis-1,3-Dichloropropene | U | | 0.000425 | 0.00100 |
| trans-1,3-Dichloropropene | U | | 0.000675 | 0.00100 |
| 2,2-Dichloropropane | U | | 0.000375 | 0.00100 |
| Di-isopropyl ether | U | | 0.000221 | 0.00100 |
| Ethylbenzene | U | | 0.000300 | 0.00100 |
| Hexachloro-1,3-butadiene | U | | 0.000342 | 0.00100 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4018667-3 12/29/23 16:09

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|--------------------------------|--------------------|--------------|-----------------|-----------------|
| Isopropylbenzene | U | | 0.000425 | 0.00100 |
| p-Isopropyltoluene | 0.000251 | U | 0.000204 | 0.00100 |
| 2-Butanone (MEK) | U | | 0.00468 | 0.0100 |
| Methylene Chloride | U | | 0.00100 | 0.00500 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.000950 | 0.0100 |
| Methyl tert-butyl ether | U | | 0.000350 | 0.00100 |
| Naphthalene | U | | 0.00498 | 0.00500 |
| n-Propylbenzene | U | | 0.000206 | 0.00100 |
| Styrene | U | | 0.000223 | 0.00100 |
| 1,1,1,2-Tetrachloroethane | U | | 0.000296 | 0.00100 |
| 1,1,2,2-Tetrachloroethane | U | | 0.000231 | 0.00100 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.000426 | 0.00100 |
| Tetrachloroethene | U | | 0.000325 | 0.00100 |
| Toluene | U | | 0.00123 | 0.00500 |
| 1,2,3-Trichlorobenzene | 0.000333 | U | 0.000306 | 0.00100 |
| 1,2,4-Trichlorobenzene | U | | 0.000388 | 0.00100 |
| 1,1,1-Trichloroethane | U | | 0.000370 | 0.00100 |
| 1,1,2-Trichloroethane | U | | 0.000425 | 0.00100 |
| Trichloroethene | U | | 0.000200 | 0.00100 |
| Trichlorofluoromethane | U | | 0.000356 | 0.00500 |
| 1,2,3-Trichloropropane | U | | 0.000244 | 0.00250 |
| 1,2,4-Trimethylbenzene | U | | 0.000211 | 0.00100 |
| 1,2,3-Trimethylbenzene | U | | 0.000287 | 0.00100 |
| 1,3,5-Trimethylbenzene | U | | 0.000266 | 0.00100 |
| Vinyl chloride | U | | 0.000226 | 0.00100 |
| Xylenes, Total | U | | 0.000500 | 0.00300 |
| (S) Toluene-d8 | 106 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 96.4 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 98.4 | | | 70.0-130 |

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Laboratory Control Sample (LCS)

(LCS) R4018667-1 12/29/23 14:03

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/MS) Low Fraction | 5.00 | 4.11 | 82.2 | 52.0-154 | |
| (S) Toluene-d8 | | | 103 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 99.1 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 99.7 | 70.0-130 | |

Laboratory Control Sample (LCS)

(LCS) R4018667-2 12/29/23 15:27

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|-----------------------------|-----------------------|---------------------|---------------|------------------|----------------------|
| Acetone | 0.125 | 0.111 | 88.8 | 10.0-160 | |
| Acrylonitrile | 0.125 | 0.154 | 123 | 45.0-153 | |
| Benzene | 0.0250 | 0.0248 | 99.2 | 70.0-123 | |
| Bromobenzene | 0.0250 | 0.0269 | 108 | 73.0-121 | |
| Bromodichloromethane | 0.0250 | 0.0254 | 102 | 73.0-121 | |
| Bromoform | 0.0250 | 0.0241 | 96.4 | 64.0-132 | |
| Bromomethane | 0.0250 | 0.0213 | 85.2 | 56.0-147 | |
| n-Butylbenzene | 0.0250 | 0.0267 | 107 | 68.0-135 | |
| sec-Butylbenzene | 0.0250 | 0.0265 | 106 | 74.0-130 | |
| tert-Butylbenzene | 0.0250 | 0.0265 | 106 | 75.0-127 | |
| Carbon tetrachloride | 0.0250 | 0.0251 | 100 | 66.0-128 | |
| Chlorobenzene | 0.0250 | 0.0245 | 98.0 | 76.0-128 | |
| Chlorodibromomethane | 0.0250 | 0.0252 | 101 | 74.0-127 | |
| Chloroethane | 0.0250 | 0.0223 | 89.2 | 61.0-134 | |
| Chloroform | 0.0250 | 0.0241 | 96.4 | 72.0-123 | |
| Chloromethane | 0.0250 | 0.0231 | 92.4 | 51.0-138 | |
| 2-Chlorotoluene | 0.0250 | 0.0265 | 106 | 75.0-124 | |
| 4-Chlorotoluene | 0.0250 | 0.0267 | 107 | 75.0-124 | |
| 1,2-Dibromo-3-Chloropropane | 0.0250 | 0.0235 | 94.0 | 59.0-130 | |
| 1,2-Dibromoethane | 0.0250 | 0.0261 | 104 | 74.0-128 | |
| Dibromomethane | 0.0250 | 0.0244 | 97.6 | 75.0-122 | |
| 1,2-Dichlorobenzene | 0.0250 | 0.0256 | 102 | 76.0-124 | |
| 1,3-Dichlorobenzene | 0.0250 | 0.0255 | 102 | 76.0-125 | |
| 1,4-Dichlorobenzene | 0.0250 | 0.0251 | 100 | 77.0-121 | |
| Dichlorodifluoromethane | 0.0250 | 0.0228 | 91.2 | 43.0-156 | |
| 1,1-Dichloroethane | 0.0250 | 0.0335 | 134 | 70.0-127 | J4 |
| 1,2-Dichloroethane | 0.0250 | 0.0248 | 99.2 | 65.0-131 | |
| 1,1-Dichloroethene | 0.0250 | 0.0232 | 92.8 | 65.0-131 | |
| cis-1,2-Dichloroethene | 0.0250 | 0.0250 | 100 | 73.0-125 | |
| trans-1,2-Dichloroethene | 0.0250 | 0.0229 | 91.6 | 71.0-125 | |
| 1,2-Dichloropropane | 0.0250 | 0.0253 | 101 | 74.0-125 | |
| 1,1-Dichloropropene | 0.0250 | 0.0240 | 96.0 | 73.0-125 | |
| 1,3-Dichloropropane | 0.0250 | 0.0258 | 103 | 80.0-125 | |
| cis-1,3-Dichloropropene | 0.0250 | 0.0238 | 95.2 | 76.0-127 | |
| trans-1,3-Dichloropropene | 0.0250 | 0.0246 | 98.4 | 73.0-127 | |
| 2,2-Dichloropropane | 0.0250 | 0.0247 | 98.8 | 59.0-135 | |
| Di-isopropyl ether | 0.0250 | 0.0343 | 137 | 60.0-136 | J4 |
| Ethylbenzene | 0.0250 | 0.0251 | 100 | 74.0-126 | |
| Hexachloro-1,3-butadiene | 0.0250 | 0.0241 | 96.4 | 57.0-150 | |
| Isopropylbenzene | 0.0250 | 0.0256 | 102 | 72.0-127 | |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Laboratory Control Sample (LCS)

(LCS) R4018667-2 12/29/23 15:27

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|--------------------------------|-----------------------|---------------------|---------------|------------------|----------------------|
| p-Isopropyltoluene | 0.0250 | 0.0239 | 95.6 | 72.0-133 | |
| 2-Butanone (MEK) | 0.125 | 0.125 | 100 | 30.0-160 | |
| Methylene Chloride | 0.0250 | 0.0230 | 92.0 | 68.0-123 | |
| 4-Methyl-2-pentanone (MIBK) | 0.125 | 0.137 | 110 | 56.0-143 | |
| Methyl tert-butyl ether | 0.0250 | 0.0231 | 92.4 | 66.0-132 | |
| Naphthalene | 0.0250 | 0.0285 | 114 | 59.0-130 | |
| n-Propylbenzene | 0.0250 | 0.0273 | 109 | 74.0-126 | |
| Styrene | 0.0250 | 0.0260 | 104 | 72.0-127 | |
| 1,1,1,2-Tetrachloroethane | 0.0250 | 0.0242 | 96.8 | 74.0-129 | |
| 1,1,2,2-Tetrachloroethane | 0.0250 | 0.0274 | 110 | 68.0-128 | |
| 1,1,2-Trichlorotrifluoroethane | 0.0250 | 0.0231 | 92.4 | 61.0-139 | |
| Tetrachloroethene | 0.0250 | 0.0256 | 102 | 70.0-136 | |
| Toluene | 0.0250 | 0.0263 | 105 | 75.0-121 | |
| 1,2,3-Trichlorobenzene | 0.0250 | 0.0263 | 105 | 59.0-139 | |
| 1,2,4-Trichlorobenzene | 0.0250 | 0.0259 | 104 | 62.0-137 | |
| 1,1,1-Trichloroethane | 0.0250 | 0.0252 | 101 | 69.0-126 | |
| 1,1,2-Trichloroethane | 0.0250 | 0.0251 | 100 | 78.0-123 | |
| Trichloroethene | 0.0250 | 0.0237 | 94.8 | 76.0-126 | |
| Trichlorofluoromethane | 0.0250 | 0.0226 | 90.4 | 61.0-142 | |
| 1,2,3-Trichloropropane | 0.0250 | 0.0267 | 107 | 67.0-129 | |
| 1,2,4-Trimethylbenzene | 0.0250 | 0.0271 | 108 | 70.0-126 | |
| 1,2,3-Trimethylbenzene | 0.0250 | 0.0261 | 104 | 66.0-132 | |
| 1,3,5-Trimethylbenzene | 0.0250 | 0.0268 | 107 | 73.0-127 | |
| Vinyl chloride | 0.0250 | 0.0254 | 102 | 63.0-134 | |
| Xylenes, Total | 0.0750 | 0.0766 | 102 | 72.0-127 | |
| (S) Toluene-d8 | | | 102 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 97.6 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 105 | 70.0-130 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4019157-3 12/30/23 12:38

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|-----------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/MS) Low Fraction | U | | 0.183 | 0.500 |
| Acetone | U | | 0.0207 | 0.0500 |
| Acrylonitrile | U | | 0.00202 | 0.0100 |
| Benzene | U | | 0.000375 | 0.00100 |
| Bromobenzene | U | | 0.000275 | 0.00100 |
| Bromodichloromethane | U | | 0.000725 | 0.00100 |
| Bromoform | U | | 0.000424 | 0.00100 |
| Bromomethane | U | | 0.00117 | 0.00500 |
| n-Butylbenzene | U | | 0.000258 | 0.00100 |
| sec-Butylbenzene | U | | 0.000201 | 0.00100 |
| tert-Butylbenzene | U | | 0.000206 | 0.00100 |
| Carbon tetrachloride | U | | 0.000248 | 0.00100 |
| Chlorobenzene | U | | 0.000192 | 0.00100 |
| Chlorodibromomethane | U | | 0.000224 | 0.00100 |
| Chloroethane | U | | 0.00100 | 0.00500 |
| Chloroform | U | | 0.00103 | 0.00500 |
| Chloromethane | U | | 0.000650 | 0.00250 |
| 2-Chlorotoluene | U | | 0.000225 | 0.00100 |
| 4-Chlorotoluene | U | | 0.000691 | 0.00100 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.00190 | 0.00500 |
| 1,2-Dibromoethane | U | | 0.000250 | 0.00100 |
| Dibromomethane | U | | 0.000350 | 0.00100 |
| 1,2-Dichlorobenzene | U | | 0.000425 | 0.00100 |
| 1,3-Dichlorobenzene | U | | 0.000600 | 0.00100 |
| 1,4-Dichlorobenzene | U | | 0.000830 | 0.00100 |
| Dichlorodifluoromethane | U | | 0.000287 | 0.00500 |
| 1,1-Dichloroethane | U | | 0.000268 | 0.00100 |
| 1,2-Dichloroethane | U | | 0.000450 | 0.00100 |
| 1,1-Dichloroethene | U | | 0.000355 | 0.00100 |
| cis-1,2-Dichloroethene | U | | 0.000475 | 0.00100 |
| trans-1,2-Dichloroethene | U | | 0.000500 | 0.00100 |
| 1,2-Dichloropropane | U | | 0.000164 | 0.00100 |
| 1,1-Dichloropropene | U | | 0.000375 | 0.00100 |
| 1,3-Dichloropropane | U | | 0.000225 | 0.00100 |
| cis-1,3-Dichloropropene | U | | 0.000425 | 0.00100 |
| trans-1,3-Dichloropropene | U | | 0.000675 | 0.00100 |
| 2,2-Dichloropropane | U | | 0.000375 | 0.00100 |
| Di-isopropyl ether | U | | 0.000221 | 0.00100 |
| Ethylbenzene | U | | 0.000300 | 0.00100 |
| Hexachloro-1,3-butadiene | U | | 0.000342 | 0.00100 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4019157-3 12/30/23 12:38

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|--------------------------------|--------------------|--------------|-----------------|-----------------|
| Isopropylbenzene | U | | 0.000425 | 0.00100 |
| p-Isopropyltoluene | U | | 0.000204 | 0.00100 |
| 2-Butanone (MEK) | U | | 0.00468 | 0.0100 |
| Methylene Chloride | U | | 0.00100 | 0.00500 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.000950 | 0.0100 |
| Methyl tert-butyl ether | U | | 0.000350 | 0.00100 |
| Naphthalene | U | | 0.00498 | 0.00500 |
| n-Propylbenzene | U | | 0.000206 | 0.00100 |
| Styrene | U | | 0.000223 | 0.00100 |
| 1,1,1,2-Tetrachloroethane | U | | 0.000296 | 0.00100 |
| 1,1,2,2-Tetrachloroethane | U | | 0.000231 | 0.00100 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.000426 | 0.00100 |
| Tetrachloroethene | U | | 0.000325 | 0.00100 |
| Toluene | U | | 0.00123 | 0.00500 |
| 1,2,3-Trichlorobenzene | U | | 0.000306 | 0.00100 |
| 1,2,4-Trichlorobenzene | U | | 0.000388 | 0.00100 |
| 1,1,1-Trichloroethane | U | | 0.000370 | 0.00100 |
| 1,1,2-Trichloroethane | U | | 0.000425 | 0.00100 |
| Trichloroethene | U | | 0.000200 | 0.00100 |
| Trichlorofluoromethane | U | | 0.000356 | 0.00500 |
| 1,2,3-Trichloropropane | U | | 0.000244 | 0.00250 |
| 1,2,4-Trimethylbenzene | U | | 0.000211 | 0.00100 |
| 1,2,3-Trimethylbenzene | U | | 0.000287 | 0.00100 |
| 1,3,5-Trimethylbenzene | U | | 0.000266 | 0.00100 |
| Vinyl chloride | U | | 0.000226 | 0.00100 |
| Xylenes, Total | U | | 0.000500 | 0.00300 |
| (S) Toluene-d8 | 105 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 93.1 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 98.4 | | | 70.0-130 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019157-1 12/30/23 10:32 • (LCSD) R4019157-2 12/30/23 10:53

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone | 0.125 | 0.120 | 0.126 | 96.0 | 101 | 10.0-160 | | | 4.88 | 31 |
| Acrylonitrile | 0.125 | 0.118 | 0.118 | 94.4 | 94.4 | 45.0-153 | | | 0.000 | 22 |
| Benzene | 0.0250 | 0.0239 | 0.0231 | 95.6 | 92.4 | 70.0-123 | | | 3.40 | 20 |
| Bromobenzene | 0.0250 | 0.0274 | 0.0242 | 110 | 96.8 | 73.0-121 | | | 12.4 | 20 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019157-1 12/30/23 10:32 • (LCSD) R4019157-2 12/30/23 10:53

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD % | RPD Limits % |
|-----------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Bromodichloromethane | 0.0250 | 0.0250 | 0.0242 | 100 | 96.8 | 73.0-121 | | | 3.25 | 20 |
| Bromoform | 0.0250 | 0.0222 | 0.0213 | 88.8 | 85.2 | 64.0-132 | | | 4.14 | 20 |
| Bromomethane | 0.0250 | 0.0222 | 0.0215 | 88.8 | 86.0 | 56.0-147 | | | 3.20 | 20 |
| n-Butylbenzene | 0.0250 | 0.0254 | 0.0223 | 102 | 89.2 | 68.0-135 | | | 13.0 | 20 |
| sec-Butylbenzene | 0.0250 | 0.0260 | 0.0237 | 104 | 94.8 | 74.0-130 | | | 9.26 | 20 |
| tert-Butylbenzene | 0.0250 | 0.0260 | 0.0235 | 104 | 94.0 | 75.0-127 | | | 10.1 | 20 |
| Carbon tetrachloride | 0.0250 | 0.0240 | 0.0234 | 96.0 | 93.6 | 66.0-128 | | | 2.53 | 20 |
| Chlorobenzene | 0.0250 | 0.0240 | 0.0227 | 96.0 | 90.8 | 76.0-128 | | | 5.57 | 20 |
| Chlorodibromomethane | 0.0250 | 0.0241 | 0.0224 | 96.4 | 89.6 | 74.0-127 | | | 7.31 | 20 |
| Chloroethane | 0.0250 | 0.0240 | 0.0232 | 96.0 | 92.8 | 61.0-134 | | | 3.39 | 20 |
| Chloroform | 0.0250 | 0.0236 | 0.0224 | 94.4 | 89.6 | 72.0-123 | | | 5.22 | 20 |
| Chloromethane | 0.0250 | 0.0242 | 0.0231 | 96.8 | 92.4 | 51.0-138 | | | 4.65 | 20 |
| 2-Chlorotoluene | 0.0250 | 0.0268 | 0.0239 | 107 | 95.6 | 75.0-124 | | | 11.4 | 20 |
| 4-Chlorotoluene | 0.0250 | 0.0269 | 0.0247 | 108 | 98.8 | 75.0-124 | | | 8.53 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.0250 | 0.0232 | 0.0210 | 92.8 | 84.0 | 59.0-130 | | | 9.95 | 20 |
| 1,2-Dibromoethane | 0.0250 | 0.0245 | 0.0231 | 98.0 | 92.4 | 74.0-128 | | | 5.88 | 20 |
| Dibromomethane | 0.0250 | 0.0247 | 0.0238 | 98.8 | 95.2 | 75.0-122 | | | 3.71 | 20 |
| 1,2-Dichlorobenzene | 0.0250 | 0.0267 | 0.0234 | 107 | 93.6 | 76.0-124 | | | 13.2 | 20 |
| 1,3-Dichlorobenzene | 0.0250 | 0.0265 | 0.0234 | 106 | 93.6 | 76.0-125 | | | 12.4 | 20 |
| 1,4-Dichlorobenzene | 0.0250 | 0.0264 | 0.0234 | 106 | 93.6 | 77.0-121 | | | 12.0 | 20 |
| Dichlorodifluoromethane | 0.0250 | 0.0220 | 0.0214 | 88.0 | 85.6 | 43.0-156 | | | 2.76 | 20 |
| 1,1-Dichloroethane | 0.0250 | 0.0253 | 0.0246 | 101 | 98.4 | 70.0-127 | | | 2.81 | 20 |
| 1,2-Dichloroethane | 0.0250 | 0.0241 | 0.0236 | 96.4 | 94.4 | 65.0-131 | | | 2.10 | 20 |
| 1,1-Dichloroethene | 0.0250 | 0.0240 | 0.0237 | 96.0 | 94.8 | 65.0-131 | | | 1.26 | 20 |
| cis-1,2-Dichloroethene | 0.0250 | 0.0222 | 0.0230 | 88.8 | 92.0 | 73.0-125 | | | 3.54 | 20 |
| trans-1,2-Dichloroethene | 0.0250 | 0.0243 | 0.0238 | 97.2 | 95.2 | 71.0-125 | | | 2.08 | 20 |
| 1,2-Dichloropropane | 0.0250 | 0.0247 | 0.0246 | 98.8 | 98.4 | 74.0-125 | | | 0.406 | 20 |
| 1,1-Dichloropropene | 0.0250 | 0.0228 | 0.0221 | 91.2 | 88.4 | 73.0-125 | | | 3.12 | 20 |
| 1,3-Dichloropropane | 0.0250 | 0.0249 | 0.0231 | 99.6 | 92.4 | 80.0-125 | | | 7.50 | 20 |
| cis-1,3-Dichloropropene | 0.0250 | 0.0225 | 0.0219 | 90.0 | 87.6 | 76.0-127 | | | 2.70 | 20 |
| trans-1,3-Dichloropropene | 0.0250 | 0.0227 | 0.0212 | 90.8 | 84.8 | 73.0-127 | | | 6.83 | 20 |
| 2,2-Dichloropropane | 0.0250 | 0.0219 | 0.0216 | 87.6 | 86.4 | 59.0-135 | | | 1.38 | 20 |
| Di-isopropyl ether | 0.0250 | 0.0252 | 0.0246 | 101 | 98.4 | 60.0-136 | | | 2.41 | 20 |
| Ethylbenzene | 0.0250 | 0.0236 | 0.0224 | 94.4 | 89.6 | 74.0-126 | | | 5.22 | 20 |
| Hexachloro-1,3-butadiene | 0.0250 | 0.0232 | 0.0214 | 92.8 | 85.6 | 57.0-150 | | | 8.07 | 20 |
| Isopropylbenzene | 0.0250 | 0.0246 | 0.0227 | 98.4 | 90.8 | 72.0-127 | | | 8.03 | 20 |
| p-Isopropyltoluene | 0.0250 | 0.0238 | 0.0210 | 95.2 | 84.0 | 72.0-133 | | | 12.5 | 20 |
| 2-Butanone (MEK) | 0.125 | 0.113 | 0.116 | 90.4 | 92.8 | 30.0-160 | | | 2.62 | 24 |
| Methylene Chloride | 0.0250 | 0.0247 | 0.0242 | 98.8 | 96.8 | 68.0-123 | | | 2.04 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 0.125 | 0.123 | 0.125 | 98.4 | 100 | 56.0-143 | | | 1.61 | 20 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019157-1 12/30/23 10:32 • (LCSD) R4019157-2 12/30/23 10:53

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|--------------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Methyl tert-butyl ether | 0.0250 | 0.0235 | 0.0230 | 94.0 | 92.0 | 66.0-132 | | | 2.15 | 20 |
| Naphthalene | 0.0250 | 0.0275 | 0.0248 | 110 | 99.2 | 59.0-130 | | | 10.3 | 20 |
| n-Propylbenzene | 0.0250 | 0.0262 | 0.0236 | 105 | 94.4 | 74.0-126 | | | 10.4 | 20 |
| Styrene | 0.0250 | 0.0247 | 0.0233 | 98.8 | 93.2 | 72.0-127 | | | 5.83 | 20 |
| 1,1,1,2-Tetrachloroethane | 0.0250 | 0.0229 | 0.0219 | 91.6 | 87.6 | 74.0-129 | | | 4.46 | 20 |
| 1,1,2,2-Tetrachloroethane | 0.0250 | 0.0247 | 0.0244 | 98.8 | 97.6 | 68.0-128 | | | 1.22 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.0250 | 0.0244 | 0.0233 | 97.6 | 93.2 | 61.0-139 | | | 4.61 | 20 |
| Tetrachloroethene | 0.0250 | 0.0246 | 0.0230 | 98.4 | 92.0 | 70.0-136 | | | 6.72 | 20 |
| Toluene | 0.0250 | 0.0245 | 0.0234 | 98.0 | 93.6 | 75.0-121 | | | 4.59 | 20 |
| 1,2,3-Trichlorobenzene | 0.0250 | 0.0267 | 0.0237 | 107 | 94.8 | 59.0-139 | | | 11.9 | 20 |
| 1,2,4-Trichlorobenzene | 0.0250 | 0.0262 | 0.0230 | 105 | 92.0 | 62.0-137 | | | 13.0 | 20 |
| 1,1,1-Trichloroethane | 0.0250 | 0.0241 | 0.0231 | 96.4 | 92.4 | 69.0-126 | | | 4.24 | 20 |
| 1,1,2-Trichloroethane | 0.0250 | 0.0244 | 0.0227 | 97.6 | 90.8 | 78.0-123 | | | 7.22 | 20 |
| Trichloroethene | 0.0250 | 0.0239 | 0.0221 | 95.6 | 88.4 | 76.0-126 | | | 7.83 | 20 |
| Trichlorofluoromethane | 0.0250 | 0.0237 | 0.0228 | 94.8 | 91.2 | 61.0-142 | | | 3.87 | 20 |
| 1,2,3-Trichloropropane | 0.0250 | 0.0268 | 0.0247 | 107 | 98.8 | 67.0-129 | | | 8.16 | 20 |
| 1,2,4-Trimethylbenzene | 0.0250 | 0.0269 | 0.0245 | 108 | 98.0 | 70.0-126 | | | 9.34 | 20 |
| 1,2,3-Trimethylbenzene | 0.0250 | 0.0265 | 0.0237 | 106 | 94.8 | 66.0-132 | | | 11.2 | 20 |
| 1,3,5-Trimethylbenzene | 0.0250 | 0.0266 | 0.0237 | 106 | 94.8 | 73.0-127 | | | 11.5 | 20 |
| Vinyl chloride | 0.0250 | 0.0268 | 0.0254 | 107 | 102 | 63.0-134 | | | 5.36 | 20 |
| Xylenes, Total | 0.0750 | 0.0731 | 0.0684 | 97.5 | 91.2 | 72.0-127 | | | 6.64 | 20 |
| (S) Toluene-d8 | | | | 99.1 | 99.4 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 92.3 | 94.4 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 108 | 106 | 70.0-130 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4019157-4 12/30/23 16:47

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/MS) Low Fraction | 5.00 | 3.59 | 71.8 | 52.0-154 | |
| (S) Toluene-d8 | | | 94.0 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 92.1 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 108 | 70.0-130 | |

Method Blank (MB)

(MB) R4019353-4 12/31/23 12:56

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|-----------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/MS) Low Fraction | U | | 0.183 | 0.500 |
| Acetone | U | | 0.0207 | 0.0500 |
| Acrylonitrile | U | | 0.00202 | 0.0100 |
| Benzene | U | | 0.000375 | 0.00100 |
| Bromobenzene | U | | 0.000275 | 0.00100 |
| Bromodichloromethane | U | | 0.000725 | 0.00100 |
| Bromoform | U | | 0.000424 | 0.00100 |
| Bromomethane | U | | 0.00117 | 0.00500 |
| n-Butylbenzene | U | | 0.000258 | 0.00100 |
| sec-Butylbenzene | U | | 0.000201 | 0.00100 |
| tert-Butylbenzene | U | | 0.000206 | 0.00100 |
| Carbon tetrachloride | U | | 0.000248 | 0.00100 |
| Chlorobenzene | U | | 0.000192 | 0.00100 |
| Chlorodibromomethane | U | | 0.000224 | 0.00100 |
| Chloroethane | U | | 0.00100 | 0.00500 |
| Chloroform | U | | 0.00103 | 0.00500 |
| Chloromethane | U | | 0.000650 | 0.00250 |
| 2-Chlorotoluene | U | | 0.000225 | 0.00100 |
| 4-Chlorotoluene | U | | 0.000691 | 0.00100 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.00190 | 0.00500 |
| 1,2-Dibromoethane | U | | 0.000250 | 0.00100 |
| Dibromomethane | U | | 0.000350 | 0.00100 |
| 1,2-Dichlorobenzene | U | | 0.000425 | 0.00100 |
| 1,3-Dichlorobenzene | U | | 0.000600 | 0.00100 |
| 1,4-Dichlorobenzene | U | | 0.000830 | 0.00100 |
| Dichlorodifluoromethane | U | | 0.000287 | 0.00500 |
| 1,1-Dichloroethane | U | | 0.000268 | 0.00100 |
| 1,2-Dichloroethane | U | | 0.000450 | 0.00100 |
| 1,1-Dichloroethene | U | | 0.000355 | 0.00100 |
| cis-1,2-Dichloroethene | U | | 0.000475 | 0.00100 |
| trans-1,2-Dichloroethene | U | | 0.000500 | 0.00100 |
| 1,2-Dichloropropane | U | | 0.000164 | 0.00100 |
| 1,1-Dichloropropene | U | | 0.000375 | 0.00100 |
| 1,3-Dichloropropane | U | | 0.000225 | 0.00100 |
| cis-1,3-Dichloropropene | U | | 0.000425 | 0.00100 |
| trans-1,3-Dichloropropene | U | | 0.000675 | 0.00100 |
| 2,2-Dichloropropane | U | | 0.000375 | 0.00100 |
| Di-isopropyl ether | U | | 0.000221 | 0.00100 |
| Ethylbenzene | U | | 0.000300 | 0.00100 |
| Hexachloro-1,3-butadiene | U | | 0.000342 | 0.00100 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4019353-4 12/31/23 12:56

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|--------------------------------|--------------------|--------------|-----------------|-----------------|
| Isopropylbenzene | U | | 0.000425 | 0.00100 |
| p-Isopropyltoluene | U | | 0.000204 | 0.00100 |
| 2-Butanone (MEK) | U | | 0.00468 | 0.0100 |
| Methylene Chloride | U | | 0.00100 | 0.00500 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.000950 | 0.0100 |
| Methyl tert-butyl ether | U | | 0.000350 | 0.00100 |
| Naphthalene | U | | 0.00498 | 0.00500 |
| n-Propylbenzene | U | | 0.000206 | 0.00100 |
| Styrene | U | | 0.000223 | 0.00100 |
| 1,1,1,2-Tetrachloroethane | U | | 0.000296 | 0.00100 |
| 1,1,2,2-Tetrachloroethane | U | | 0.000231 | 0.00100 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.000426 | 0.00100 |
| Tetrachloroethene | U | | 0.000325 | 0.00100 |
| Toluene | U | | 0.00123 | 0.00500 |
| 1,2,3-Trichlorobenzene | U | | 0.000306 | 0.00100 |
| 1,2,4-Trichlorobenzene | U | | 0.000388 | 0.00100 |
| 1,1,1-Trichloroethane | U | | 0.000370 | 0.00100 |
| 1,1,2-Trichloroethane | U | | 0.000425 | 0.00100 |
| Trichloroethene | U | | 0.000200 | 0.00100 |
| Trichlorofluoromethane | U | | 0.000356 | 0.00500 |
| 1,2,3-Trichloropropane | U | | 0.000244 | 0.00250 |
| 1,2,4-Trimethylbenzene | U | | 0.000211 | 0.00100 |
| 1,2,3-Trimethylbenzene | U | | 0.000287 | 0.00100 |
| 1,3,5-Trimethylbenzene | U | | 0.000266 | 0.00100 |
| Vinyl chloride | U | | 0.000226 | 0.00100 |
| Xylenes, Total | U | | 0.000500 | 0.00300 |
| (S) Toluene-d8 | 103 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 98.9 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 99.6 | | | 70.0-130 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019353-1 12/31/23 11:11 • (LCSD) R4019353-2 12/31/23 11:32

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone | 0.125 | 0.137 | 0.148 | 110 | 118 | 10.0-160 | | | 7.72 | 31 |
| Acrylonitrile | 0.125 | 0.129 | 0.139 | 103 | 111 | 45.0-153 | | | 7.46 | 22 |
| Benzene | 0.0250 | 0.0256 | 0.0260 | 102 | 104 | 70.0-123 | | | 1.55 | 20 |
| Bromobenzene | 0.0250 | 0.0261 | 0.0248 | 104 | 99.2 | 73.0-121 | | | 5.11 | 20 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019353-1 12/31/23 11:11 • (LCSD) R4019353-2 12/31/23 11:32

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|-----------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Bromodichloromethane | 0.0250 | 0.0259 | 0.0264 | 104 | 106 | 73.0-121 | | | 1.91 | 20 |
| Bromoform | 0.0250 | 0.0233 | 0.0247 | 93.2 | 98.8 | 64.0-132 | | | 5.83 | 20 |
| Bromomethane | 0.0250 | 0.0317 | 0.0305 | 127 | 122 | 56.0-147 | | | 3.86 | 20 |
| n-Butylbenzene | 0.0250 | 0.0245 | 0.0246 | 98.0 | 98.4 | 68.0-135 | | | 0.407 | 20 |
| sec-Butylbenzene | 0.0250 | 0.0256 | 0.0271 | 102 | 108 | 74.0-130 | | | 5.69 | 20 |
| tert-Butylbenzene | 0.0250 | 0.0251 | 0.0239 | 100 | 95.6 | 75.0-127 | | | 4.90 | 20 |
| Carbon tetrachloride | 0.0250 | 0.0256 | 0.0261 | 102 | 104 | 66.0-128 | | | 1.93 | 20 |
| Chlorobenzene | 0.0250 | 0.0245 | 0.0251 | 98.0 | 100 | 76.0-128 | | | 2.42 | 20 |
| Chlorodibromomethane | 0.0250 | 0.0240 | 0.0256 | 96.0 | 102 | 74.0-127 | | | 6.45 | 20 |
| Chloroethane | 0.0250 | 0.0284 | 0.0287 | 114 | 115 | 61.0-134 | | | 1.05 | 20 |
| Chloroform | 0.0250 | 0.0248 | 0.0254 | 99.2 | 102 | 72.0-123 | | | 2.39 | 20 |
| Chloromethane | 0.0250 | 0.0302 | 0.0300 | 121 | 120 | 51.0-138 | | | 0.664 | 20 |
| 2-Chlorotoluene | 0.0250 | 0.0259 | 0.0247 | 104 | 98.8 | 75.0-124 | | | 4.74 | 20 |
| 4-Chlorotoluene | 0.0250 | 0.0262 | 0.0248 | 105 | 99.2 | 75.0-124 | | | 5.49 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.0250 | 0.0200 | 0.0205 | 80.0 | 82.0 | 59.0-130 | | | 2.47 | 20 |
| 1,2-Dibromoethane | 0.0250 | 0.0229 | 0.0239 | 91.6 | 95.6 | 74.0-128 | | | 4.27 | 20 |
| Dibromomethane | 0.0250 | 0.0247 | 0.0258 | 98.8 | 103 | 75.0-122 | | | 4.36 | 20 |
| 1,2-Dichlorobenzene | 0.0250 | 0.0243 | 0.0252 | 97.2 | 101 | 76.0-124 | | | 3.64 | 20 |
| 1,3-Dichlorobenzene | 0.0250 | 0.0250 | 0.0276 | 100 | 110 | 76.0-125 | | | 9.89 | 20 |
| 1,4-Dichlorobenzene | 0.0250 | 0.0247 | 0.0262 | 98.8 | 105 | 77.0-121 | | | 5.89 | 20 |
| Dichlorodifluoromethane | 0.0250 | 0.0302 | 0.0298 | 121 | 119 | 43.0-156 | | | 1.33 | 20 |
| 1,1-Dichloroethane | 0.0250 | 0.0273 | 0.0276 | 109 | 110 | 70.0-127 | | | 1.09 | 20 |
| 1,2-Dichloroethane | 0.0250 | 0.0250 | 0.0261 | 100 | 104 | 65.0-131 | | | 4.31 | 20 |
| 1,1-Dichloroethene | 0.0250 | 0.0267 | 0.0270 | 107 | 108 | 65.0-131 | | | 1.12 | 20 |
| cis-1,2-Dichloroethene | 0.0250 | 0.0237 | 0.0249 | 94.8 | 99.6 | 73.0-125 | | | 4.94 | 20 |
| trans-1,2-Dichloroethene | 0.0250 | 0.0260 | 0.0266 | 104 | 106 | 71.0-125 | | | 2.28 | 20 |
| 1,2-Dichloropropane | 0.0250 | 0.0264 | 0.0267 | 106 | 107 | 74.0-125 | | | 1.13 | 20 |
| 1,1-Dichloropropene | 0.0250 | 0.0246 | 0.0248 | 98.4 | 99.2 | 73.0-125 | | | 0.810 | 20 |
| 1,3-Dichloropropane | 0.0250 | 0.0249 | 0.0262 | 99.6 | 105 | 80.0-125 | | | 5.09 | 20 |
| cis-1,3-Dichloropropene | 0.0250 | 0.0243 | 0.0247 | 97.2 | 98.8 | 76.0-127 | | | 1.63 | 20 |
| trans-1,3-Dichloropropene | 0.0250 | 0.0246 | 0.0250 | 98.4 | 100 | 73.0-127 | | | 1.61 | 20 |
| 2,2-Dichloropropane | 0.0250 | 0.0241 | 0.0245 | 96.4 | 98.0 | 59.0-135 | | | 1.65 | 20 |
| Di-isopropyl ether | 0.0250 | 0.0274 | 0.0289 | 110 | 116 | 60.0-136 | | | 5.33 | 20 |
| Ethylbenzene | 0.0250 | 0.0248 | 0.0253 | 99.2 | 101 | 74.0-126 | | | 2.00 | 20 |
| Hexachloro-1,3-butadiene | 0.0250 | 0.0235 | 0.0218 | 94.0 | 87.2 | 57.0-150 | | | 7.51 | 20 |
| Isopropylbenzene | 0.0250 | 0.0252 | 0.0252 | 101 | 101 | 72.0-127 | | | 0.000 | 20 |
| p-Isopropyltoluene | 0.0250 | 0.0228 | 0.0294 | 91.2 | 118 | 72.0-133 | | J3 | 25.3 | 20 |
| 2-Butanone (MEK) | 0.125 | 0.123 | 0.137 | 98.4 | 110 | 30.0-160 | | | 10.8 | 24 |
| Methylene Chloride | 0.0250 | 0.0264 | 0.0275 | 106 | 110 | 68.0-123 | | | 4.08 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 0.125 | 0.128 | 0.141 | 102 | 113 | 56.0-143 | | | 9.67 | 20 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019353-1 12/31/23 11:11 • (LCSD) R4019353-2 12/31/23 11:32

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|--------------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Methyl tert-butyl ether | 0.0250 | 0.0236 | 0.0255 | 94.4 | 102 | 66.0-132 | | | 7.74 | 20 |
| Naphthalene | 0.0250 | 0.0252 | 0.0258 | 101 | 103 | 59.0-130 | | | 2.35 | 20 |
| n-Propylbenzene | 0.0250 | 0.0260 | 0.0242 | 104 | 96.8 | 74.0-126 | | | 7.17 | 20 |
| Styrene | 0.0250 | 0.0251 | 0.0259 | 100 | 104 | 72.0-127 | | | 3.14 | 20 |
| 1,1,1,2-Tetrachloroethane | 0.0250 | 0.0233 | 0.0245 | 93.2 | 98.0 | 74.0-129 | | | 5.02 | 20 |
| 1,1,2,2-Tetrachloroethane | 0.0250 | 0.0276 | 0.0275 | 110 | 110 | 68.0-128 | | | 0.363 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.0250 | 0.0271 | 0.0274 | 108 | 110 | 61.0-139 | | | 1.10 | 20 |
| Tetrachloroethene | 0.0250 | 0.0251 | 0.0253 | 100 | 101 | 70.0-136 | | | 0.794 | 20 |
| Toluene | 0.0250 | 0.0253 | 0.0257 | 101 | 103 | 75.0-121 | | | 1.57 | 20 |
| 1,2,3-Trichlorobenzene | 0.0250 | 0.0244 | 0.0239 | 97.6 | 95.6 | 59.0-139 | | | 2.07 | 20 |
| 1,2,4-Trichlorobenzene | 0.0250 | 0.0246 | 0.0236 | 98.4 | 94.4 | 62.0-137 | | | 4.15 | 20 |
| 1,1,1-Trichloroethane | 0.0250 | 0.0262 | 0.0261 | 105 | 104 | 69.0-126 | | | 0.382 | 20 |
| 1,1,2-Trichloroethane | 0.0250 | 0.0243 | 0.0260 | 97.2 | 104 | 78.0-123 | | | 6.76 | 20 |
| Trichloroethene | 0.0250 | 0.0237 | 0.0239 | 94.8 | 95.6 | 76.0-126 | | | 0.840 | 20 |
| Trichlorofluoromethane | 0.0250 | 0.0270 | 0.0270 | 108 | 108 | 61.0-142 | | | 0.000 | 20 |
| 1,2,3-Trichloropropane | 0.0250 | 0.0238 | 0.0241 | 95.2 | 96.4 | 67.0-129 | | | 1.25 | 20 |
| 1,2,4-Trimethylbenzene | 0.0250 | 0.0257 | 0.0249 | 103 | 99.6 | 70.0-126 | | | 3.16 | 20 |
| 1,2,3-Trimethylbenzene | 0.0250 | 0.0253 | 0.0269 | 101 | 108 | 66.0-132 | | | 6.13 | 20 |
| 1,3,5-Trimethylbenzene | 0.0250 | 0.0256 | 0.0242 | 102 | 96.8 | 73.0-127 | | | 5.62 | 20 |
| Vinyl chloride | 0.0250 | 0.0321 | 0.0320 | 128 | 128 | 63.0-134 | | | 0.312 | 20 |
| Xylenes, Total | 0.0750 | 0.0757 | 0.0771 | 101 | 103 | 72.0-127 | | | 1.83 | 20 |
| (S) Toluene-d8 | | | | 97.8 | 98.3 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 93.1 | 92.3 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 108 | 110 | 70.0-130 | | | | |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4019353-3 12/31/23 12:14

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/MS) Low Fraction | 5.00 | 4.60 | 92.0 | 52.0-154 | |
| (S) Toluene-d8 | | | 98.8 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 100 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 105 | 70.0-130 | |

Method Blank (MB)

(MB) R4019807-3 01/02/24 12:44

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|-----------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/MS) Low Fraction | U | | 0.183 | 0.500 |
| Acetone | U | | 0.0207 | 0.0500 |
| Acrylonitrile | U | | 0.00202 | 0.0100 |
| Benzene | U | | 0.000375 | 0.00100 |
| Bromobenzene | U | | 0.000275 | 0.00100 |
| Bromodichloromethane | U | | 0.000725 | 0.00100 |
| Bromoform | U | | 0.000424 | 0.00100 |
| Bromomethane | U | | 0.00117 | 0.00500 |
| n-Butylbenzene | U | | 0.000258 | 0.00100 |
| sec-Butylbenzene | U | | 0.000201 | 0.00100 |
| tert-Butylbenzene | U | | 0.000206 | 0.00100 |
| Carbon tetrachloride | U | | 0.000248 | 0.00100 |
| Chlorobenzene | U | | 0.000192 | 0.00100 |
| Chlorodibromomethane | U | | 0.000224 | 0.00100 |
| Chloroethane | U | | 0.00100 | 0.00500 |
| Chloroform | U | | 0.00103 | 0.00500 |
| Chloromethane | 0.000659 | U | 0.000650 | 0.00250 |
| 2-Chlorotoluene | U | | 0.000225 | 0.00100 |
| 4-Chlorotoluene | U | | 0.000691 | 0.00100 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.00190 | 0.00500 |
| 1,2-Dibromoethane | U | | 0.000250 | 0.00100 |
| Dibromomethane | U | | 0.000350 | 0.00100 |
| 1,2-Dichlorobenzene | U | | 0.000425 | 0.00100 |
| 1,3-Dichlorobenzene | U | | 0.000600 | 0.00100 |
| 1,4-Dichlorobenzene | U | | 0.000830 | 0.00100 |
| Dichlorodifluoromethane | U | | 0.000287 | 0.00500 |
| 1,1-Dichloroethane | U | | 0.000268 | 0.00100 |
| 1,2-Dichloroethane | U | | 0.000450 | 0.00100 |
| 1,1-Dichloroethene | U | | 0.000355 | 0.00100 |
| cis-1,2-Dichloroethene | U | | 0.000475 | 0.00100 |
| trans-1,2-Dichloroethene | U | | 0.000500 | 0.00100 |
| 1,2-Dichloropropane | U | | 0.000164 | 0.00100 |
| 1,1-Dichloropropene | U | | 0.000375 | 0.00100 |
| 1,3-Dichloropropane | U | | 0.000225 | 0.00100 |
| cis-1,3-Dichloropropene | U | | 0.000425 | 0.00100 |
| trans-1,3-Dichloropropene | U | | 0.000675 | 0.00100 |
| 2,2-Dichloropropane | U | | 0.000375 | 0.00100 |
| Di-isopropyl ether | U | | 0.000221 | 0.00100 |
| Ethylbenzene | U | | 0.000300 | 0.00100 |
| Hexachloro-1,3-butadiene | U | | 0.000342 | 0.00100 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4019807-3 01/02/24 12:44

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|--------------------------------|--------------------|--------------|-----------------|-----------------|
| Isopropylbenzene | U | | 0.000425 | 0.00100 |
| p-Isopropyltoluene | U | | 0.000204 | 0.00100 |
| 2-Butanone (MEK) | U | | 0.00468 | 0.0100 |
| Methylene Chloride | U | | 0.00100 | 0.00500 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.000950 | 0.0100 |
| Methyl tert-butyl ether | U | | 0.000350 | 0.00100 |
| Naphthalene | U | | 0.00498 | 0.00500 |
| n-Propylbenzene | U | | 0.000206 | 0.00100 |
| Styrene | U | | 0.000223 | 0.00100 |
| 1,1,1,2-Tetrachloroethane | U | | 0.000296 | 0.00100 |
| 1,1,2,2-Tetrachloroethane | U | | 0.000231 | 0.00100 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.000426 | 0.00100 |
| Tetrachloroethene | U | | 0.000325 | 0.00100 |
| Toluene | U | | 0.00123 | 0.00500 |
| 1,2,3-Trichlorobenzene | U | | 0.000306 | 0.00100 |
| 1,2,4-Trichlorobenzene | U | | 0.000388 | 0.00100 |
| 1,1,1-Trichloroethane | U | | 0.000370 | 0.00100 |
| 1,1,2-Trichloroethane | U | | 0.000425 | 0.00100 |
| Trichloroethene | U | | 0.000200 | 0.00100 |
| Trichlorofluoromethane | U | | 0.000356 | 0.00500 |
| 1,2,3-Trichloropropane | U | | 0.000244 | 0.00250 |
| 1,2,4-Trimethylbenzene | U | | 0.000211 | 0.00100 |
| 1,2,3-Trimethylbenzene | U | | 0.000287 | 0.00100 |
| 1,3,5-Trimethylbenzene | U | | 0.000266 | 0.00100 |
| Vinyl chloride | U | | 0.000226 | 0.00100 |
| Xylenes, Total | U | | 0.000500 | 0.00300 |
| (S) Toluene-d8 | 104 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 95.2 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 99.2 | | | 70.0-130 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4019807-1 01/02/24 11:12

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------|-----------------------|---------------------|---------------|------------------|---------------|
| Acetone | 0.125 | 0.151 | 121 | 10.0-160 | |
| Acrylonitrile | 0.125 | 0.136 | 109 | 45.0-153 | |
| Benzene | 0.0250 | 0.0276 | 110 | 70.0-123 | |
| Bromobenzene | 0.0250 | 0.0299 | 120 | 73.0-121 | |

Laboratory Control Sample (LCS)

(LCS) R4019807-1 01/02/24 11:12

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|-----------------------------|-----------------------|---------------------|---------------|------------------|----------------------|
| Bromodichloromethane | 0.0250 | 0.0280 | 112 | 73.0-121 | |
| Bromoform | 0.0250 | 0.0236 | 94.4 | 64.0-132 | |
| Bromomethane | 0.0250 | 0.0293 | 117 | 56.0-147 | |
| n-Butylbenzene | 0.0250 | 0.0290 | 116 | 68.0-135 | |
| sec-Butylbenzene | 0.0250 | 0.0294 | 118 | 74.0-130 | |
| tert-Butylbenzene | 0.0250 | 0.0289 | 116 | 75.0-127 | |
| Carbon tetrachloride | 0.0250 | 0.0275 | 110 | 66.0-128 | |
| Chlorobenzene | 0.0250 | 0.0268 | 107 | 76.0-128 | |
| Chlorodibromomethane | 0.0250 | 0.0258 | 103 | 74.0-127 | |
| Chloroethane | 0.0250 | 0.0301 | 120 | 61.0-134 | |
| Chloroform | 0.0250 | 0.0268 | 107 | 72.0-123 | |
| Chloromethane | 0.0250 | 0.0308 | 123 | 51.0-138 | |
| 2-Chlorotoluene | 0.0250 | 0.0297 | 119 | 75.0-124 | |
| 4-Chlorotoluene | 0.0250 | 0.0296 | 118 | 75.0-124 | |
| 1,2-Dibromo-3-Chloropropane | 0.0250 | 0.0237 | 94.8 | 59.0-130 | |
| 1,2-Dibromoethane | 0.0250 | 0.0248 | 99.2 | 74.0-128 | |
| Dibromomethane | 0.0250 | 0.0265 | 106 | 75.0-122 | |
| 1,2-Dichlorobenzene | 0.0250 | 0.0284 | 114 | 76.0-124 | |
| 1,3-Dichlorobenzene | 0.0250 | 0.0288 | 115 | 76.0-125 | |
| 1,4-Dichlorobenzene | 0.0250 | 0.0286 | 114 | 77.0-121 | |
| Dichlorodifluoromethane | 0.0250 | 0.0308 | 123 | 43.0-156 | |
| 1,1-Dichloroethane | 0.0250 | 0.0296 | 118 | 70.0-127 | |
| 1,2-Dichloroethane | 0.0250 | 0.0271 | 108 | 65.0-131 | |
| 1,1-Dichloroethene | 0.0250 | 0.0289 | 116 | 65.0-131 | |
| cis-1,2-Dichloroethene | 0.0250 | 0.0252 | 101 | 73.0-125 | |
| trans-1,2-Dichloroethene | 0.0250 | 0.0273 | 109 | 71.0-125 | |
| 1,2-Dichloropropane | 0.0250 | 0.0285 | 114 | 74.0-125 | |
| 1,1-Dichloropropene | 0.0250 | 0.0259 | 104 | 73.0-125 | |
| 1,3-Dichloropropane | 0.0250 | 0.0274 | 110 | 80.0-125 | |
| cis-1,3-Dichloropropene | 0.0250 | 0.0255 | 102 | 76.0-127 | |
| trans-1,3-Dichloropropene | 0.0250 | 0.0258 | 103 | 73.0-127 | |
| 2,2-Dichloropropane | 0.0250 | 0.0262 | 105 | 59.0-135 | |
| Di-isopropyl ether | 0.0250 | 0.0296 | 118 | 60.0-136 | |
| Ethylbenzene | 0.0250 | 0.0265 | 106 | 74.0-126 | |
| Hexachloro-1,3-butadiene | 0.0250 | 0.0274 | 110 | 57.0-150 | |
| Isopropylbenzene | 0.0250 | 0.0271 | 108 | 72.0-127 | |
| p-Isopropyltoluene | 0.0250 | 0.0269 | 108 | 72.0-133 | |
| 2-Butanone (MEK) | 0.125 | 0.134 | 107 | 30.0-160 | |
| Methylene Chloride | 0.0250 | 0.0278 | 111 | 68.0-123 | |
| 4-Methyl-2-pentanone (MIBK) | 0.125 | 0.138 | 110 | 56.0-143 | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4019807-1 01/02/24 11:12

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|--------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Methyl tert-butyl ether | 0.0250 | 0.0248 | 99.2 | 66.0-132 | |
| Naphthalene | 0.0250 | 0.0285 | 114 | 59.0-130 | |
| n-Propylbenzene | 0.0250 | 0.0293 | 117 | 74.0-126 | |
| Styrene | 0.0250 | 0.0272 | 109 | 72.0-127 | |
| 1,1,1,2-Tetrachloroethane | 0.0250 | 0.0249 | 99.6 | 74.0-129 | |
| 1,1,2,2-Tetrachloroethane | 0.0250 | 0.0306 | 122 | 68.0-128 | |
| 1,1,2-Trichlorotrifluoroethane | 0.0250 | 0.0289 | 116 | 61.0-139 | |
| Tetrachloroethene | 0.0250 | 0.0268 | 107 | 70.0-136 | |
| Toluene | 0.0250 | 0.0275 | 110 | 75.0-121 | |
| 1,2,3-Trichlorobenzene | 0.0250 | 0.0284 | 114 | 59.0-139 | |
| 1,2,4-Trichlorobenzene | 0.0250 | 0.0285 | 114 | 62.0-137 | |
| 1,1,1-Trichloroethane | 0.0250 | 0.0277 | 111 | 69.0-126 | |
| 1,1,2-Trichloroethane | 0.0250 | 0.0266 | 106 | 78.0-123 | |
| Trichloroethene | 0.0250 | 0.0253 | 101 | 76.0-126 | |
| Trichlorofluoromethane | 0.0250 | 0.0286 | 114 | 61.0-142 | |
| 1,2,3-Trichloropropane | 0.0250 | 0.0276 | 110 | 67.0-129 | |
| 1,2,4-Trimethylbenzene | 0.0250 | 0.0301 | 120 | 70.0-126 | |
| 1,2,3-Trimethylbenzene | 0.0250 | 0.0291 | 116 | 66.0-132 | |
| 1,3,5-Trimethylbenzene | 0.0250 | 0.0292 | 117 | 73.0-127 | |
| Vinyl chloride | 0.0250 | 0.0332 | 133 | 63.0-134 | |
| Xylenes, Total | 0.0750 | 0.0814 | 109 | 72.0-127 | |
| (S) Toluene-d8 | | | 98.8 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 89.6 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 109 | 70.0-130 | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4019807-2 01/02/24 11:54

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/MS) Low Fraction | 5.00 | 4.70 | 94.0 | 52.0-154 | |
| (S) Toluene-d8 | | | 96.3 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 96.8 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 105 | 70.0-130 | |

Method Blank (MB)

(MB) R4019808-3 01/02/24 12:44

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|-----------------------------|-----------|--------------|----------|---------|
| | mg/kg | | mg/kg | mg/kg |
| TPH (GC/MS) Low Fraction | U | | 0.183 | 0.500 |
| Acetone | U | | 0.0207 | 0.0500 |
| Acrylonitrile | U | | 0.00202 | 0.0100 |
| Benzene | U | | 0.000375 | 0.00100 |
| Bromobenzene | U | | 0.000275 | 0.00100 |
| Bromodichloromethane | U | | 0.000725 | 0.00100 |
| Bromoform | U | | 0.000424 | 0.00100 |
| Bromomethane | U | | 0.00117 | 0.00500 |
| n-Butylbenzene | U | | 0.000258 | 0.00100 |
| sec-Butylbenzene | U | | 0.000201 | 0.00100 |
| tert-Butylbenzene | U | | 0.000206 | 0.00100 |
| Carbon tetrachloride | U | | 0.000248 | 0.00100 |
| Chlorobenzene | U | | 0.000192 | 0.00100 |
| Chlorodibromomethane | U | | 0.000224 | 0.00100 |
| Chloroethane | U | | 0.00100 | 0.00500 |
| Chloroform | U | | 0.00103 | 0.00500 |
| Chloromethane | 0.000659 | U | 0.000650 | 0.00250 |
| 2-Chlorotoluene | U | | 0.000225 | 0.00100 |
| 4-Chlorotoluene | U | | 0.000691 | 0.00100 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.00190 | 0.00500 |
| 1,2-Dibromoethane | U | | 0.000250 | 0.00100 |
| Dibromomethane | U | | 0.000350 | 0.00100 |
| 1,2-Dichlorobenzene | U | | 0.000425 | 0.00100 |
| 1,3-Dichlorobenzene | U | | 0.000600 | 0.00100 |
| 1,4-Dichlorobenzene | U | | 0.000830 | 0.00100 |
| Dichlorodifluoromethane | U | | 0.000287 | 0.00500 |
| 1,1-Dichloroethane | U | | 0.000268 | 0.00100 |
| 1,2-Dichloroethane | U | | 0.000450 | 0.00100 |
| 1,1-Dichloroethene | U | | 0.000355 | 0.00100 |
| cis-1,2-Dichloroethene | U | | 0.000475 | 0.00100 |
| trans-1,2-Dichloroethene | U | | 0.000500 | 0.00100 |
| 1,2-Dichloropropane | U | | 0.000164 | 0.00100 |
| 1,1-Dichloropropene | U | | 0.000375 | 0.00100 |
| 1,3-Dichloropropane | U | | 0.000225 | 0.00100 |
| cis-1,3-Dichloropropene | U | | 0.000425 | 0.00100 |
| trans-1,3-Dichloropropene | U | | 0.000675 | 0.00100 |
| 2,2-Dichloropropane | U | | 0.000375 | 0.00100 |
| Di-isopropyl ether | U | | 0.000221 | 0.00100 |
| Ethylbenzene | U | | 0.000300 | 0.00100 |
| Hexachloro-1,3-butadiene | U | | 0.000342 | 0.00100 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4019808-3 01/02/24 12:44

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|--------------------------------|--------------------|--------------|-----------------|-----------------|
| Isopropylbenzene | U | | 0.000425 | 0.00100 |
| p-Isopropyltoluene | U | | 0.000204 | 0.00100 |
| 2-Butanone (MEK) | U | | 0.00468 | 0.0100 |
| Methylene Chloride | U | | 0.00100 | 0.00500 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.000950 | 0.0100 |
| Methyl tert-butyl ether | U | | 0.000350 | 0.00100 |
| Naphthalene | U | | 0.00498 | 0.00500 |
| n-Propylbenzene | U | | 0.000206 | 0.00100 |
| Styrene | U | | 0.000223 | 0.00100 |
| 1,1,1,2-Tetrachloroethane | U | | 0.000296 | 0.00100 |
| 1,1,2,2-Tetrachloroethane | U | | 0.000231 | 0.00100 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.000426 | 0.00100 |
| Tetrachloroethene | U | | 0.000325 | 0.00100 |
| Toluene | U | | 0.00123 | 0.00500 |
| 1,2,3-Trichlorobenzene | U | | 0.000306 | 0.00100 |
| 1,2,4-Trichlorobenzene | U | | 0.000388 | 0.00100 |
| 1,1,1-Trichloroethane | U | | 0.000370 | 0.00100 |
| 1,1,2-Trichloroethane | U | | 0.000425 | 0.00100 |
| Trichloroethene | U | | 0.000200 | 0.00100 |
| Trichlorofluoromethane | U | | 0.000356 | 0.00500 |
| 1,2,3-Trichloropropane | U | | 0.000244 | 0.00250 |
| 1,2,4-Trimethylbenzene | U | | 0.000211 | 0.00100 |
| 1,2,3-Trimethylbenzene | U | | 0.000287 | 0.00100 |
| 1,3,5-Trimethylbenzene | U | | 0.000266 | 0.00100 |
| Vinyl chloride | U | | 0.000226 | 0.00100 |
| Xylenes, Total | U | | 0.000500 | 0.00300 |
| (S) Toluene-d8 | 104 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 95.2 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 99.2 | | | 70.0-130 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4019808-1 01/02/24 11:12

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------|-----------------------|---------------------|---------------|------------------|---------------|
| Acetone | 0.125 | 0.151 | 121 | 10.0-160 | |
| Acrylonitrile | 0.125 | 0.136 | 109 | 45.0-153 | |
| Benzene | 0.0250 | 0.0276 | 110 | 70.0-123 | |
| Bromobenzene | 0.0250 | 0.0299 | 120 | 73.0-121 | |

Laboratory Control Sample (LCS)

(LCS) R4019808-1 01/02/24 11:12

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|-----------------------------|-----------------------|---------------------|---------------|------------------|----------------------|
| Bromodichloromethane | 0.0250 | 0.0280 | 112 | 73.0-121 | |
| Bromoform | 0.0250 | 0.0236 | 94.4 | 64.0-132 | |
| Bromomethane | 0.0250 | 0.0293 | 117 | 56.0-147 | |
| n-Butylbenzene | 0.0250 | 0.0290 | 116 | 68.0-135 | |
| sec-Butylbenzene | 0.0250 | 0.0294 | 118 | 74.0-130 | |
| tert-Butylbenzene | 0.0250 | 0.0289 | 116 | 75.0-127 | |
| Carbon tetrachloride | 0.0250 | 0.0275 | 110 | 66.0-128 | |
| Chlorobenzene | 0.0250 | 0.0268 | 107 | 76.0-128 | |
| Chlorodibromomethane | 0.0250 | 0.0258 | 103 | 74.0-127 | |
| Chloroethane | 0.0250 | 0.0301 | 120 | 61.0-134 | |
| Chloroform | 0.0250 | 0.0268 | 107 | 72.0-123 | |
| Chloromethane | 0.0250 | 0.0308 | 123 | 51.0-138 | |
| 2-Chlorotoluene | 0.0250 | 0.0297 | 119 | 75.0-124 | |
| 4-Chlorotoluene | 0.0250 | 0.0296 | 118 | 75.0-124 | |
| 1,2-Dibromo-3-Chloropropane | 0.0250 | 0.0237 | 94.8 | 59.0-130 | |
| 1,2-Dibromoethane | 0.0250 | 0.0248 | 99.2 | 74.0-128 | |
| Dibromomethane | 0.0250 | 0.0265 | 106 | 75.0-122 | |
| 1,2-Dichlorobenzene | 0.0250 | 0.0284 | 114 | 76.0-124 | |
| 1,3-Dichlorobenzene | 0.0250 | 0.0288 | 115 | 76.0-125 | |
| 1,4-Dichlorobenzene | 0.0250 | 0.0286 | 114 | 77.0-121 | |
| Dichlorodifluoromethane | 0.0250 | 0.0308 | 123 | 43.0-156 | |
| 1,1-Dichloroethane | 0.0250 | 0.0296 | 118 | 70.0-127 | |
| 1,2-Dichloroethane | 0.0250 | 0.0271 | 108 | 65.0-131 | |
| 1,1-Dichloroethene | 0.0250 | 0.0289 | 116 | 65.0-131 | |
| cis-1,2-Dichloroethene | 0.0250 | 0.0252 | 101 | 73.0-125 | |
| trans-1,2-Dichloroethene | 0.0250 | 0.0273 | 109 | 71.0-125 | |
| 1,2-Dichloropropane | 0.0250 | 0.0285 | 114 | 74.0-125 | |
| 1,1-Dichloropropene | 0.0250 | 0.0259 | 104 | 73.0-125 | |
| 1,3-Dichloropropane | 0.0250 | 0.0274 | 110 | 80.0-125 | |
| cis-1,3-Dichloropropene | 0.0250 | 0.0255 | 102 | 76.0-127 | |
| trans-1,3-Dichloropropene | 0.0250 | 0.0258 | 103 | 73.0-127 | |
| 2,2-Dichloropropane | 0.0250 | 0.0262 | 105 | 59.0-135 | |
| Di-isopropyl ether | 0.0250 | 0.0296 | 118 | 60.0-136 | |
| Ethylbenzene | 0.0250 | 0.0265 | 106 | 74.0-126 | |
| Hexachloro-1,3-butadiene | 0.0250 | 0.0274 | 110 | 57.0-150 | |
| Isopropylbenzene | 0.0250 | 0.0271 | 108 | 72.0-127 | |
| p-Isopropyltoluene | 0.0250 | 0.0269 | 108 | 72.0-133 | |
| 2-Butanone (MEK) | 0.125 | 0.134 | 107 | 30.0-160 | |
| Methylene Chloride | 0.0250 | 0.0278 | 111 | 68.0-123 | |
| 4-Methyl-2-pentanone (MIBK) | 0.125 | 0.138 | 110 | 56.0-143 | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4019808-1 01/02/24 11:12

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|--------------------------------|-----------------------|---------------------|---------------|------------------|----------------------|
| Methyl tert-butyl ether | 0.0250 | 0.0248 | 99.2 | 66.0-132 | |
| Naphthalene | 0.0250 | 0.0285 | 114 | 59.0-130 | |
| n-Propylbenzene | 0.0250 | 0.0293 | 117 | 74.0-126 | |
| Styrene | 0.0250 | 0.0272 | 109 | 72.0-127 | |
| 1,1,1,2-Tetrachloroethane | 0.0250 | 0.0249 | 99.6 | 74.0-129 | |
| 1,1,2,2-Tetrachloroethane | 0.0250 | 0.0306 | 122 | 68.0-128 | |
| 1,1,2-Trichlorotrifluoroethane | 0.0250 | 0.0289 | 116 | 61.0-139 | |
| Tetrachloroethene | 0.0250 | 0.0268 | 107 | 70.0-136 | |
| Toluene | 0.0250 | 0.0275 | 110 | 75.0-121 | |
| 1,2,3-Trichlorobenzene | 0.0250 | 0.0284 | 114 | 59.0-139 | |
| 1,2,4-Trichlorobenzene | 0.0250 | 0.0285 | 114 | 62.0-137 | |
| 1,1,1-Trichloroethane | 0.0250 | 0.0277 | 111 | 69.0-126 | |
| 1,1,2-Trichloroethane | 0.0250 | 0.0266 | 106 | 78.0-123 | |
| Trichloroethene | 0.0250 | 0.0253 | 101 | 76.0-126 | |
| Trichlorofluoromethane | 0.0250 | 0.0286 | 114 | 61.0-142 | |
| 1,2,3-Trichloropropane | 0.0250 | 0.0276 | 110 | 67.0-129 | |
| 1,2,4-Trimethylbenzene | 0.0250 | 0.0301 | 120 | 70.0-126 | |
| 1,2,3-Trimethylbenzene | 0.0250 | 0.0291 | 116 | 66.0-132 | |
| 1,3,5-Trimethylbenzene | 0.0250 | 0.0292 | 117 | 73.0-127 | |
| Vinyl chloride | 0.0250 | 0.0332 | 133 | 63.0-134 | |
| Xylenes, Total | 0.0750 | 0.0814 | 109 | 72.0-127 | |
| (S) Toluene-d8 | | | 98.8 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 89.6 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 109 | 70.0-130 | |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4019808-2 01/02/24 11:54

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|---------------------------|-----------------------|---------------------|---------------|------------------|----------------------|
| TPH (GC/MS) Low Fraction | 5.00 | 4.70 | 94.0 | 52.0-154 | |
| (S) Toluene-d8 | | | 96.3 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 96.8 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 105 | 70.0-130 | |

Method Blank (MB)

(MB) R4020060-3 01/04/24 14:07

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|-----------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/MS) Low Fraction | U | | 0.183 | 0.500 |
| Acetone | U | | 0.0207 | 0.0500 |
| Acrylonitrile | U | | 0.00202 | 0.0100 |
| Benzene | U | | 0.000375 | 0.00100 |
| Bromobenzene | U | | 0.000275 | 0.00100 |
| Bromodichloromethane | U | | 0.000725 | 0.00100 |
| Bromoform | U | | 0.000424 | 0.00100 |
| Bromomethane | U | | 0.00117 | 0.00500 |
| n-Butylbenzene | U | | 0.000258 | 0.00100 |
| sec-Butylbenzene | U | | 0.000201 | 0.00100 |
| tert-Butylbenzene | U | | 0.000206 | 0.00100 |
| Carbon tetrachloride | U | | 0.000248 | 0.00100 |
| Chlorobenzene | U | | 0.000192 | 0.00100 |
| Chlorodibromomethane | U | | 0.000224 | 0.00100 |
| Chloroethane | U | | 0.00100 | 0.00500 |
| Chloroform | U | | 0.00103 | 0.00500 |
| Chloromethane | U | | 0.000650 | 0.00250 |
| 2-Chlorotoluene | U | | 0.000225 | 0.00100 |
| 4-Chlorotoluene | U | | 0.000691 | 0.00100 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.00190 | 0.00500 |
| 1,2-Dibromoethane | U | | 0.000250 | 0.00100 |
| Dibromomethane | U | | 0.000350 | 0.00100 |
| 1,2-Dichlorobenzene | U | | 0.000425 | 0.00100 |
| 1,3-Dichlorobenzene | U | | 0.000600 | 0.00100 |
| 1,4-Dichlorobenzene | U | | 0.000830 | 0.00100 |
| Dichlorodifluoromethane | U | | 0.000287 | 0.00500 |
| 1,1-Dichloroethane | U | | 0.000268 | 0.00100 |
| 1,2-Dichloroethane | U | | 0.000450 | 0.00100 |
| 1,1-Dichloroethene | U | | 0.000355 | 0.00100 |
| cis-1,2-Dichloroethene | U | | 0.000475 | 0.00100 |
| trans-1,2-Dichloroethene | U | | 0.000500 | 0.00100 |
| 1,2-Dichloropropane | U | | 0.000164 | 0.00100 |
| 1,1-Dichloropropene | U | | 0.000375 | 0.00100 |
| 1,3-Dichloropropane | U | | 0.000225 | 0.00100 |
| cis-1,3-Dichloropropene | U | | 0.000425 | 0.00100 |
| trans-1,3-Dichloropropene | U | | 0.000675 | 0.00100 |
| 2,2-Dichloropropane | U | | 0.000375 | 0.00100 |
| Di-isopropyl ether | U | | 0.000221 | 0.00100 |
| Ethylbenzene | U | | 0.000300 | 0.00100 |
| Hexachloro-1,3-butadiene | U | | 0.000342 | 0.00100 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4020060-3 01/04/24 14:07

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|--------------------------------|--------------------|--------------|-----------------|-----------------|
| Isopropylbenzene | U | | 0.000425 | 0.00100 |
| p-Isopropyltoluene | U | | 0.000204 | 0.00100 |
| 2-Butanone (MEK) | U | | 0.00468 | 0.0100 |
| Methylene Chloride | U | | 0.00100 | 0.00500 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.000950 | 0.0100 |
| Methyl tert-butyl ether | U | | 0.000350 | 0.00100 |
| Naphthalene | U | | 0.00498 | 0.00500 |
| n-Propylbenzene | U | | 0.000206 | 0.00100 |
| Styrene | U | | 0.000223 | 0.00100 |
| 1,1,1,2-Tetrachloroethane | U | | 0.000296 | 0.00100 |
| 1,1,2,2-Tetrachloroethane | U | | 0.000231 | 0.00100 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.000426 | 0.00100 |
| Tetrachloroethene | U | | 0.000325 | 0.00100 |
| Toluene | U | | 0.00123 | 0.00500 |
| 1,2,3-Trichlorobenzene | U | | 0.000306 | 0.00100 |
| 1,2,4-Trichlorobenzene | U | | 0.000388 | 0.00100 |
| 1,1,1-Trichloroethane | U | | 0.000370 | 0.00100 |
| 1,1,2-Trichloroethane | U | | 0.000425 | 0.00100 |
| Trichloroethene | U | | 0.000200 | 0.00100 |
| Trichlorofluoromethane | U | | 0.000356 | 0.00500 |
| 1,2,3-Trichloropropane | U | | 0.000244 | 0.00250 |
| 1,2,4-Trimethylbenzene | U | | 0.000211 | 0.00100 |
| 1,2,3-Trimethylbenzene | U | | 0.000287 | 0.00100 |
| 1,3,5-Trimethylbenzene | U | | 0.000266 | 0.00100 |
| Vinyl chloride | U | | 0.000226 | 0.00100 |
| Xylenes, Total | U | | 0.000500 | 0.00300 |
| (S) Toluene-d8 | 106 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 96.1 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 98.4 | | | 70.0-130 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4020060-1 01/04/24 13:03

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/MS) Low Fraction | 5.00 | 4.64 | 92.8 | 52.0-154 | |
| (S) Toluene-d8 | | | 97.6 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 97.8 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 105 | 70.0-130 | |

Laboratory Control Sample (LCS)

(LCS) R4020060-2 01/04/24 13:24

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|-----------------------------|-----------------------|---------------------|---------------|------------------|----------------------|
| Acetone | 0.125 | 0.127 | 102 | 10.0-160 | |
| Acrylonitrile | 0.125 | 0.117 | 93.6 | 45.0-153 | |
| Benzene | 0.0250 | 0.0248 | 99.2 | 70.0-123 | |
| Bromobenzene | 0.0250 | 0.0262 | 105 | 73.0-121 | |
| Bromodichloromethane | 0.0250 | 0.0239 | 95.6 | 73.0-121 | |
| Bromoform | 0.0250 | 0.0226 | 90.4 | 64.0-132 | |
| Bromomethane | 0.0250 | 0.0215 | 86.0 | 56.0-147 | |
| n-Butylbenzene | 0.0250 | 0.0285 | 114 | 68.0-135 | |
| sec-Butylbenzene | 0.0250 | 0.0277 | 111 | 74.0-130 | |
| tert-Butylbenzene | 0.0250 | 0.0272 | 109 | 75.0-127 | |
| Carbon tetrachloride | 0.0250 | 0.0304 | 122 | 66.0-128 | |
| Chlorobenzene | 0.0250 | 0.0239 | 95.6 | 76.0-128 | |
| Chlorodibromomethane | 0.0250 | 0.0234 | 93.6 | 74.0-127 | |
| Chloroethane | 0.0250 | 0.0248 | 99.2 | 61.0-134 | |
| Chloroform | 0.0250 | 0.0270 | 108 | 72.0-123 | |
| Chloromethane | 0.0250 | 0.0240 | 96.0 | 51.0-138 | |
| 2-Chlorotoluene | 0.0250 | 0.0270 | 108 | 75.0-124 | |
| 4-Chlorotoluene | 0.0250 | 0.0274 | 110 | 75.0-124 | |
| 1,2-Dibromo-3-Chloropropane | 0.0250 | 0.0253 | 101 | 59.0-130 | |
| 1,2-Dibromoethane | 0.0250 | 0.0251 | 100 | 74.0-128 | |
| Dibromomethane | 0.0250 | 0.0231 | 92.4 | 75.0-122 | |
| 1,2-Dichlorobenzene | 0.0250 | 0.0254 | 102 | 76.0-124 | |
| 1,3-Dichlorobenzene | 0.0250 | 0.0258 | 103 | 76.0-125 | |
| 1,4-Dichlorobenzene | 0.0250 | 0.0249 | 99.6 | 77.0-121 | |
| Dichlorodifluoromethane | 0.0250 | 0.0273 | 109 | 43.0-156 | |
| 1,1-Dichloroethane | 0.0250 | 0.0257 | 103 | 70.0-127 | |
| 1,2-Dichloroethane | 0.0250 | 0.0242 | 96.8 | 65.0-131 | |
| 1,1-Dichloroethene | 0.0250 | 0.0239 | 95.6 | 65.0-131 | |
| cis-1,2-Dichloroethene | 0.0250 | 0.0250 | 100 | 73.0-125 | |
| trans-1,2-Dichloroethene | 0.0250 | 0.0239 | 95.6 | 71.0-125 | |
| 1,2-Dichloropropane | 0.0250 | 0.0249 | 99.6 | 74.0-125 | |
| 1,1-Dichloropropene | 0.0250 | 0.0244 | 97.6 | 73.0-125 | |
| 1,3-Dichloropropane | 0.0250 | 0.0242 | 96.8 | 80.0-125 | |
| cis-1,3-Dichloropropene | 0.0250 | 0.0215 | 86.0 | 76.0-127 | |
| trans-1,3-Dichloropropene | 0.0250 | 0.0230 | 92.0 | 73.0-127 | |
| 2,2-Dichloropropane | 0.0250 | 0.0304 | 122 | 59.0-135 | |
| Di-isopropyl ether | 0.0250 | 0.0269 | 108 | 60.0-136 | |
| Ethylbenzene | 0.0250 | 0.0250 | 100 | 74.0-126 | |
| Hexachloro-1,3-butadiene | 0.0250 | 0.0273 | 109 | 57.0-150 | |
| Isopropylbenzene | 0.0250 | 0.0262 | 105 | 72.0-127 | |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4020060-2 01/04/24 13:24

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|--------------------------------|-----------------------|---------------------|---------------|------------------|----------------------|
| p-Isopropyltoluene | 0.0250 | 0.0251 | 100 | 72.0-133 | |
| 2-Butanone (MEK) | 0.125 | 0.125 | 100 | 30.0-160 | |
| Methylene Chloride | 0.0250 | 0.0242 | 96.8 | 68.0-123 | |
| 4-Methyl-2-pentanone (MIBK) | 0.125 | 0.127 | 102 | 56.0-143 | |
| Methyl tert-butyl ether | 0.0250 | 0.0230 | 92.0 | 66.0-132 | |
| Naphthalene | 0.0250 | 0.0281 | 112 | 59.0-130 | |
| n-Propylbenzene | 0.0250 | 0.0273 | 109 | 74.0-126 | |
| Styrene | 0.0250 | 0.0252 | 101 | 72.0-127 | |
| 1,1,1,2-Tetrachloroethane | 0.0250 | 0.0240 | 96.0 | 74.0-129 | |
| 1,1,2,2-Tetrachloroethane | 0.0250 | 0.0270 | 108 | 68.0-128 | |
| 1,1,2-Trichlorotrifluoroethane | 0.0250 | 0.0245 | 98.0 | 61.0-139 | |
| Tetrachloroethene | 0.0250 | 0.0251 | 100 | 70.0-136 | |
| Toluene | 0.0250 | 0.0258 | 103 | 75.0-121 | |
| 1,2,3-Trichlorobenzene | 0.0250 | 0.0266 | 106 | 59.0-139 | |
| 1,2,4-Trichlorobenzene | 0.0250 | 0.0274 | 110 | 62.0-137 | |
| 1,1,1-Trichloroethane | 0.0250 | 0.0306 | 122 | 69.0-126 | |
| 1,1,2-Trichloroethane | 0.0250 | 0.0236 | 94.4 | 78.0-123 | |
| Trichloroethene | 0.0250 | 0.0227 | 90.8 | 76.0-126 | |
| Trichlorofluoromethane | 0.0250 | 0.0248 | 99.2 | 61.0-142 | |
| 1,2,3-Trichloropropane | 0.0250 | 0.0241 | 96.4 | 67.0-129 | |
| 1,2,4-Trimethylbenzene | 0.0250 | 0.0285 | 114 | 70.0-126 | |
| 1,2,3-Trimethylbenzene | 0.0250 | 0.0266 | 106 | 66.0-132 | |
| 1,3,5-Trimethylbenzene | 0.0250 | 0.0266 | 106 | 73.0-127 | |
| Vinyl chloride | 0.0250 | 0.0274 | 110 | 63.0-134 | |
| Xylenes, Total | 0.0750 | 0.0765 | 102 | 72.0-127 | |
| (S) Toluene-d8 | | | 102 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 97.5 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 106 | 70.0-130 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4020061-3 01/04/24 14:07

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|-----------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/MS) Low Fraction | U | | 0.183 | 0.500 |
| Acetone | U | | 0.0207 | 0.0500 |
| Acrylonitrile | U | | 0.00202 | 0.0100 |
| Benzene | U | | 0.000375 | 0.00100 |
| Bromobenzene | U | | 0.000275 | 0.00100 |
| Bromodichloromethane | U | | 0.000725 | 0.00100 |
| Bromoform | U | | 0.000424 | 0.00100 |
| Bromomethane | U | | 0.00117 | 0.00500 |
| n-Butylbenzene | U | | 0.000258 | 0.00100 |
| sec-Butylbenzene | U | | 0.000201 | 0.00100 |
| tert-Butylbenzene | U | | 0.000206 | 0.00100 |
| Carbon tetrachloride | U | | 0.000248 | 0.00100 |
| Chlorobenzene | U | | 0.000192 | 0.00100 |
| Chlorodibromomethane | U | | 0.000224 | 0.00100 |
| Chloroethane | U | | 0.00100 | 0.00500 |
| Chloroform | U | | 0.00103 | 0.00500 |
| Chloromethane | U | | 0.000650 | 0.00250 |
| 2-Chlorotoluene | U | | 0.000225 | 0.00100 |
| 4-Chlorotoluene | U | | 0.000691 | 0.00100 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.00190 | 0.00500 |
| 1,2-Dibromoethane | U | | 0.000250 | 0.00100 |
| Dibromomethane | U | | 0.000350 | 0.00100 |
| 1,2-Dichlorobenzene | U | | 0.000425 | 0.00100 |
| 1,3-Dichlorobenzene | U | | 0.000600 | 0.00100 |
| 1,4-Dichlorobenzene | U | | 0.000830 | 0.00100 |
| Dichlorodifluoromethane | U | | 0.000287 | 0.00500 |
| 1,1-Dichloroethane | U | | 0.000268 | 0.00100 |
| 1,2-Dichloroethane | U | | 0.000450 | 0.00100 |
| 1,1-Dichloroethene | U | | 0.000355 | 0.00100 |
| cis-1,2-Dichloroethene | U | | 0.000475 | 0.00100 |
| trans-1,2-Dichloroethene | U | | 0.000500 | 0.00100 |
| 1,2-Dichloropropane | U | | 0.000164 | 0.00100 |
| 1,1-Dichloropropene | U | | 0.000375 | 0.00100 |
| 1,3-Dichloropropane | U | | 0.000225 | 0.00100 |
| cis-1,3-Dichloropropene | U | | 0.000425 | 0.00100 |
| trans-1,3-Dichloropropene | U | | 0.000675 | 0.00100 |
| 2,2-Dichloropropane | U | | 0.000375 | 0.00100 |
| Di-isopropyl ether | U | | 0.000221 | 0.00100 |
| Ethylbenzene | U | | 0.000300 | 0.00100 |
| Hexachloro-1,3-butadiene | U | | 0.000342 | 0.00100 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4020061-3 01/04/24 14:07

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|--------------------------------|--------------------|--------------|-----------------|-----------------|
| Isopropylbenzene | U | | 0.000425 | 0.00100 |
| p-Isopropyltoluene | U | | 0.000204 | 0.00100 |
| 2-Butanone (MEK) | U | | 0.00468 | 0.0100 |
| Methylene Chloride | U | | 0.00100 | 0.00500 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.000950 | 0.0100 |
| Methyl tert-butyl ether | U | | 0.000350 | 0.00100 |
| Naphthalene | U | | 0.00498 | 0.00500 |
| n-Propylbenzene | U | | 0.000206 | 0.00100 |
| Styrene | U | | 0.000223 | 0.00100 |
| 1,1,1,2-Tetrachloroethane | U | | 0.000296 | 0.00100 |
| 1,1,2,2-Tetrachloroethane | U | | 0.000231 | 0.00100 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.000426 | 0.00100 |
| Tetrachloroethene | U | | 0.000325 | 0.00100 |
| Toluene | U | | 0.00123 | 0.00500 |
| 1,2,3-Trichlorobenzene | U | | 0.000306 | 0.00100 |
| 1,2,4-Trichlorobenzene | U | | 0.000388 | 0.00100 |
| 1,1,1-Trichloroethane | U | | 0.000370 | 0.00100 |
| 1,1,2-Trichloroethane | U | | 0.000425 | 0.00100 |
| Trichloroethene | U | | 0.000200 | 0.00100 |
| Trichlorofluoromethane | U | | 0.000356 | 0.00500 |
| 1,2,3-Trichloropropane | U | | 0.000244 | 0.00250 |
| 1,2,4-Trimethylbenzene | U | | 0.000211 | 0.00100 |
| 1,2,3-Trimethylbenzene | U | | 0.000287 | 0.00100 |
| 1,3,5-Trimethylbenzene | U | | 0.000266 | 0.00100 |
| Vinyl chloride | U | | 0.000226 | 0.00100 |
| Xylenes, Total | U | | 0.000500 | 0.00300 |
| (S) Toluene-d8 | 106 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 96.1 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 98.4 | | | 70.0-130 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4020061-1 01/04/24 13:03

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/MS) Low Fraction | 5.00 | 4.64 | 92.8 | 52.0-154 | |
| (S) Toluene-d8 | | | 97.6 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 97.8 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 105 | 70.0-130 | |

Laboratory Control Sample (LCS)

(LCS) R4020061-2 01/04/24 13:24

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|-----------------------------|-----------------------|---------------------|---------------|------------------|----------------------|
| Acetone | 0.125 | 0.127 | 102 | 10.0-160 | |
| Acrylonitrile | 0.125 | 0.117 | 93.6 | 45.0-153 | |
| Benzene | 0.0250 | 0.0248 | 99.2 | 70.0-123 | |
| Bromobenzene | 0.0250 | 0.0262 | 105 | 73.0-121 | |
| Bromodichloromethane | 0.0250 | 0.0239 | 95.6 | 73.0-121 | |
| Bromoform | 0.0250 | 0.0226 | 90.4 | 64.0-132 | |
| Bromomethane | 0.0250 | 0.0215 | 86.0 | 56.0-147 | |
| n-Butylbenzene | 0.0250 | 0.0285 | 114 | 68.0-135 | |
| sec-Butylbenzene | 0.0250 | 0.0277 | 111 | 74.0-130 | |
| tert-Butylbenzene | 0.0250 | 0.0272 | 109 | 75.0-127 | |
| Carbon tetrachloride | 0.0250 | 0.0304 | 122 | 66.0-128 | |
| Chlorobenzene | 0.0250 | 0.0239 | 95.6 | 76.0-128 | |
| Chlorodibromomethane | 0.0250 | 0.0234 | 93.6 | 74.0-127 | |
| Chloroethane | 0.0250 | 0.0248 | 99.2 | 61.0-134 | |
| Chloroform | 0.0250 | 0.0270 | 108 | 72.0-123 | |
| Chloromethane | 0.0250 | 0.0240 | 96.0 | 51.0-138 | |
| 2-Chlorotoluene | 0.0250 | 0.0270 | 108 | 75.0-124 | |
| 4-Chlorotoluene | 0.0250 | 0.0274 | 110 | 75.0-124 | |
| 1,2-Dibromo-3-Chloropropane | 0.0250 | 0.0253 | 101 | 59.0-130 | |
| 1,2-Dibromoethane | 0.0250 | 0.0251 | 100 | 74.0-128 | |
| Dibromomethane | 0.0250 | 0.0231 | 92.4 | 75.0-122 | |
| 1,2-Dichlorobenzene | 0.0250 | 0.0254 | 102 | 76.0-124 | |
| 1,3-Dichlorobenzene | 0.0250 | 0.0258 | 103 | 76.0-125 | |
| 1,4-Dichlorobenzene | 0.0250 | 0.0249 | 99.6 | 77.0-121 | |
| Dichlorodifluoromethane | 0.0250 | 0.0273 | 109 | 43.0-156 | |
| 1,1-Dichloroethane | 0.0250 | 0.0257 | 103 | 70.0-127 | |
| 1,2-Dichloroethane | 0.0250 | 0.0242 | 96.8 | 65.0-131 | |
| 1,1-Dichloroethene | 0.0250 | 0.0239 | 95.6 | 65.0-131 | |
| cis-1,2-Dichloroethene | 0.0250 | 0.0250 | 100 | 73.0-125 | |
| trans-1,2-Dichloroethene | 0.0250 | 0.0239 | 95.6 | 71.0-125 | |
| 1,2-Dichloropropane | 0.0250 | 0.0249 | 99.6 | 74.0-125 | |
| 1,1-Dichloropropene | 0.0250 | 0.0244 | 97.6 | 73.0-125 | |
| 1,3-Dichloropropane | 0.0250 | 0.0242 | 96.8 | 80.0-125 | |
| cis-1,3-Dichloropropene | 0.0250 | 0.0215 | 86.0 | 76.0-127 | |
| trans-1,3-Dichloropropene | 0.0250 | 0.0230 | 92.0 | 73.0-127 | |
| 2,2-Dichloropropane | 0.0250 | 0.0304 | 122 | 59.0-135 | |
| Di-isopropyl ether | 0.0250 | 0.0269 | 108 | 60.0-136 | |
| Ethylbenzene | 0.0250 | 0.0250 | 100 | 74.0-126 | |
| Hexachloro-1,3-butadiene | 0.0250 | 0.0273 | 109 | 57.0-150 | |
| Isopropylbenzene | 0.0250 | 0.0262 | 105 | 72.0-127 | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4020061-2 01/04/24 13:24

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|--------------------------------|-----------------------|---------------------|---------------|------------------|----------------------|
| p-Isopropyltoluene | 0.0250 | 0.0251 | 100 | 72.0-133 | |
| 2-Butanone (MEK) | 0.125 | 0.125 | 100 | 30.0-160 | |
| Methylene Chloride | 0.0250 | 0.0242 | 96.8 | 68.0-123 | |
| 4-Methyl-2-pentanone (MIBK) | 0.125 | 0.127 | 102 | 56.0-143 | |
| Methyl tert-butyl ether | 0.0250 | 0.0230 | 92.0 | 66.0-132 | |
| Naphthalene | 0.0250 | 0.0281 | 112 | 59.0-130 | |
| n-Propylbenzene | 0.0250 | 0.0273 | 109 | 74.0-126 | |
| Styrene | 0.0250 | 0.0252 | 101 | 72.0-127 | |
| 1,1,1,2-Tetrachloroethane | 0.0250 | 0.0240 | 96.0 | 74.0-129 | |
| 1,1,2,2-Tetrachloroethane | 0.0250 | 0.0270 | 108 | 68.0-128 | |
| 1,1,2-Trichlorotrifluoroethane | 0.0250 | 0.0245 | 98.0 | 61.0-139 | |
| Tetrachloroethene | 0.0250 | 0.0251 | 100 | 70.0-136 | |
| Toluene | 0.0250 | 0.0258 | 103 | 75.0-121 | |
| 1,2,3-Trichlorobenzene | 0.0250 | 0.0266 | 106 | 59.0-139 | |
| 1,2,4-Trichlorobenzene | 0.0250 | 0.0274 | 110 | 62.0-137 | |
| 1,1,1-Trichloroethane | 0.0250 | 0.0306 | 122 | 69.0-126 | |
| 1,1,2-Trichloroethane | 0.0250 | 0.0236 | 94.4 | 78.0-123 | |
| Trichloroethene | 0.0250 | 0.0227 | 90.8 | 76.0-126 | |
| Trichlorofluoromethane | 0.0250 | 0.0248 | 99.2 | 61.0-142 | |
| 1,2,3-Trichloropropane | 0.0250 | 0.0241 | 96.4 | 67.0-129 | |
| 1,2,4-Trimethylbenzene | 0.0250 | 0.0285 | 114 | 70.0-126 | |
| 1,2,3-Trimethylbenzene | 0.0250 | 0.0266 | 106 | 66.0-132 | |
| 1,3,5-Trimethylbenzene | 0.0250 | 0.0266 | 106 | 73.0-127 | |
| Vinyl chloride | 0.0250 | 0.0274 | 110 | 63.0-134 | |
| Xylenes, Total | 0.0750 | 0.0765 | 102 | 72.0-127 | |
| (S) Toluene-d8 | | | 102 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 97.5 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 106 | 70.0-130 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4020080-3 01/04/24 06:22

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Acetone | U | | 0.0207 | 0.0500 |
| (S) Toluene-d8 | 103 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 103 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 105 | | | 70.0-130 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020080-1 01/04/24 04:46 • (LCSD) R4020080-2 01/04/24 05:05

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone | 0.0250 | 0.0287 | 0.0228 | 115 | 91.2 | 10.0-160 | | | 22.9 | 31 |
| (S) Toluene-d8 | | | | 101 | 101 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 103 | 103 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 108 | 108 | 70.0-130 | | | | |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4020063-3 01/04/24 14:07

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Acetone | U | | 0.0207 | 0.0500 |
| (S) Toluene-d8 | 106 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 96.1 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 98.4 | | | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R4020063-2 01/04/24 13:24

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Acetone | 0.125 | 0.127 | 102 | 10.0-160 | |
| (S) Toluene-d8 | | | 102 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 97.5 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 106 | 70.0-130 | |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4020197-3 01/05/24 11:36

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Methyl tert-butyl ether | U | | 0.00875 | 0.0250 |
| (S) Toluene-d8 | 101 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 107 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 94.3 | | | 70.0-130 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020197-1 01/05/24 10:01 • (LCSD) R4020197-2 01/05/24 10:20

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Methyl tert-butyl ether | 0.00500 | 0.00535 | 0.00525 | 107 | 105 | 66.0-132 | | | 1.89 | 20 |
| (S) Toluene-d8 | | | | 101 | 102 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 102 | 103 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 104 | 98.4 | 70.0-130 | | | | |



Method Blank (MB)

(MB) R4019087-4 12/30/23 16:38

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------|--------------------|--------------|-----------------|-----------------|
| DRO | U | | 2.50 | 10.0 |
| ORO | U | | 2.50 | 10.0 |
| Anthracene | U | | 0.00595 | 0.0330 |
| Acenaphthene | U | | 0.00424 | 0.0330 |
| Acenaphthylene | U | | 0.00513 | 0.0330 |
| Benzo(a)anthracene | U | | 0.00428 | 0.0330 |
| Benzo(a)pyrene | U | | 0.00582 | 0.0330 |
| Benzo(b)fluoranthene | U | | 0.00695 | 0.0330 |
| Benzo(g,h,i)perylene | U | | 0.00721 | 0.0330 |
| Benzo(k)fluoranthene | U | | 0.00790 | 0.0330 |
| Chrysene | U | | 0.00505 | 0.0330 |
| Dibenz(a,h)anthracene | U | | 0.00713 | 0.0330 |
| Fluoranthene | U | | 0.00799 | 0.0330 |
| Fluorene | U | | 0.00286 | 0.0330 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00535 | 0.0330 |
| Naphthalene | U | | 0.00534 | 0.0330 |
| Phenanthrene | U | | 0.00535 | 0.0330 |
| Pyrene | U | | 0.00663 | 0.0330 |
| (S) Nitrobenzene-d5 | 77.1 | | | 22.0-150 |
| (S) 2-Fluorobiphenyl | 76.1 | | | 27.0-135 |
| (S) p-Terphenyl-d14 | 74.1 | | | 22.0-129 |



Laboratory Control Sample (LCS)

(LCS) R4019087-1 12/30/23 15:35

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|-----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Anthracene | 0.400 | 0.290 | 72.5 | 48.0-120 | |
| Acenaphthene | 0.400 | 0.285 | 71.3 | 51.0-119 | |
| Acenaphthylene | 0.400 | 0.284 | 71.0 | 50.0-120 | |
| Benzo(a)anthracene | 0.400 | 0.291 | 72.8 | 48.0-121 | |
| Benzo(a)pyrene | 0.400 | 0.321 | 80.3 | 49.0-120 | |
| Benzo(b)fluoranthene | 0.400 | 0.325 | 81.2 | 46.0-120 | |
| Benzo(g,h,i)perylene | 0.400 | 0.320 | 80.0 | 42.0-133 | |
| Benzo(k)fluoranthene | 0.400 | 0.337 | 84.3 | 47.0-121 | |
| Chrysene | 0.400 | 0.333 | 83.3 | 49.0-126 | |
| Dibenz(a,h)anthracene | 0.400 | 0.337 | 84.3 | 46.0-127 | |
| Fluoranthene | 0.400 | 0.311 | 77.8 | 48.0-139 | |
| Fluorene | 0.400 | 0.313 | 78.3 | 52.0-120 | |

Laboratory Control Sample (LCS)

(LCS) R4019087-1 12/30/23 15:35

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|------------------------|-----------------------|---------------------|---------------|------------------|----------------------|
| Indeno(1,2,3-cd)pyrene | 0.400 | 0.349 | 87.3 | 45.0-129 | |
| Naphthalene | 0.400 | 0.323 | 80.7 | 54.0-120 | |
| Phenanthrene | 0.400 | 0.307 | 76.8 | 48.0-120 | |
| Pyrene | 0.400 | 0.325 | 81.2 | 49.0-121 | |
| (S) Nitrobenzene-d5 | | | 93.5 | 22.0-150 | |
| (S) 2-Fluorobiphenyl | | | 81.2 | 27.0-135 | |
| (S) p-Terphenyl-d14 | | | 74.3 | 22.0-129 | |



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019087-2 12/30/23 15:56 • (LCSD) R4019087-3 12/30/23 16:17

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD % | RPD Limits % |
|----------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| DRO | 167 | 96.2 | 96.1 | 57.6 | 57.5 | 33.0-123 | | | 0.104 | 20 |
| (S) Nitrobenzene-d5 | | | | 87.8 | 89.6 | 22.0-150 | | | | |
| (S) 2-Fluorobiphenyl | | | | 71.7 | 68.7 | 27.0-135 | | | | |
| (S) p-Terphenyl-d14 | | | | 73.1 | 82.3 | 22.0-129 | | | | |

L1690518-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690518-01 12/30/23 20:08 • (MS) R4019087-5 12/30/23 20:29 • (MSD) R4019087-6 12/30/23 20:50

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD % | RPD Limits % |
|------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Anthracene | 0.503 | ND | 0.271 | 0.263 | 53.8 | 54.2 | 1 | 32.0-120 | | | 2.88 | 32 |
| Acenaphthene | 0.503 | ND | 0.287 | 0.254 | 57.1 | 52.4 | 1 | 32.0-120 | | | 12.3 | 25 |
| Acenaphthylene | 0.503 | ND | 0.278 | 0.259 | 55.4 | 53.4 | 1 | 50.0-120 | | | 7.16 | 20 |
| Benzo(a)anthracene | 0.503 | ND | 0.278 | 0.266 | 55.4 | 54.8 | 1 | 19.0-120 | | | 4.72 | 32 |
| Benzo(a)pyrene | 0.503 | ND | 0.281 | 0.307 | 55.9 | 63.2 | 1 | 22.0-120 | | | 8.73 | 32 |
| Benzo(b)fluoranthene | 0.503 | ND | 0.299 | 0.281 | 59.4 | 57.9 | 1 | 10.0-120 | | | 6.19 | 35 |
| Benzo(g,h,i)perylene | 0.503 | ND | 0.290 | 0.303 | 57.7 | 62.4 | 1 | 42.0-133 | | | 4.33 | 20 |
| Benzo(k)fluoranthene | 0.503 | ND | 0.284 | 0.305 | 56.4 | 63.0 | 1 | 34.0-120 | | | 7.41 | 28 |
| Chrysene | 0.503 | ND | 0.328 | 0.304 | 65.3 | 62.7 | 1 | 17.0-132 | | | 7.71 | 31 |
| Dibenz(a,h)anthracene | 0.503 | ND | 0.308 | 0.322 | 61.2 | 66.4 | 1 | 39.0-120 | | | 4.48 | 26 |
| Fluoranthene | 0.503 | ND | 0.273 | 0.278 | 54.3 | 57.4 | 1 | 10.0-145 | | | 1.86 | 27 |
| Fluorene | 0.503 | ND | 0.321 | 0.278 | 63.8 | 57.4 | 1 | 38.0-120 | | | 14.1 | 27 |
| Indeno(1,2,3-cd)pyrene | 0.503 | ND | 0.326 | 0.303 | 64.8 | 62.4 | 1 | 45.0-129 | | | 7.35 | 20 |
| Naphthalene | 0.503 | ND | 0.323 | 0.309 | 64.3 | 63.8 | 1 | 10.0-160 | | | 4.46 | 26 |
| Phenanthrene | 0.503 | ND | 0.278 | 0.294 | 55.4 | 60.6 | 1 | 48.0-120 | | | 5.38 | 20 |

L1690518-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690518-01 12/30/23 20:08 • (MS) R4019087-5 12/30/23 20:29 • (MSD) R4019087-6 12/30/23 20:50

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|-----------------------------|-----------------------------|--------------------------------|--------------------------|---------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Pyrene | 0.503 | ND | 0.327 | 0.296 | 65.1 | 61.1 | 1 | 10.0-132 | | | 9.88 | 40 |
| <i>(S) Nitrobenzene-d5</i> | | | | | 74.4 | 76.1 | | 22.0-150 | | | | |
| <i>(S) 2-Fluorobiphenyl</i> | | | | | 71.2 | 59.5 | | 27.0-135 | | | | |
| <i>(S) p-Terphenyl-d14</i> | | | | | 69.3 | 60.4 | | 22.0-129 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4018994-4 12/29/23 18:23

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|-----------------------------|--------------------|--------------|-----------------|-----------------|
| DRO | U | | 2.50 | 10.0 |
| ORO | U | | 2.50 | 10.0 |
| Anthracene | U | | 0.00595 | 0.0330 |
| Acenaphthene | U | | 0.00424 | 0.0330 |
| Acenaphthylene | U | | 0.00513 | 0.0330 |
| Benzo(a)anthracene | U | | 0.00428 | 0.0330 |
| Benzo(a)pyrene | U | | 0.00582 | 0.0330 |
| Benzo(b)fluoranthene | U | | 0.00695 | 0.0330 |
| Benzo(g,h,i)perylene | U | | 0.00721 | 0.0330 |
| Benzo(k)fluoranthene | U | | 0.00790 | 0.0330 |
| Chrysene | U | | 0.00505 | 0.0330 |
| Dibenz(a,h)anthracene | U | | 0.00713 | 0.0330 |
| Fluoranthene | U | | 0.00799 | 0.0330 |
| Fluorene | U | | 0.00286 | 0.0330 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00535 | 0.0330 |
| Naphthalene | U | | 0.00534 | 0.0330 |
| Phenanthrene | U | | 0.00535 | 0.0330 |
| Pyrene | U | | 0.00663 | 0.0330 |
| <i>(S) Nitrobenzene-d5</i> | 67.4 | | | 22.0-150 |
| <i>(S) 2-Fluorobiphenyl</i> | 62.1 | | | 27.0-135 |
| <i>(S) p-Terphenyl-d14</i> | 67.6 | | | 22.0-129 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4018994-1 12/29/23 17:20

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|-----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Anthracene | 0.400 | 0.271 | 67.8 | 48.0-120 | |
| Acenaphthene | 0.400 | 0.273 | 68.3 | 51.0-119 | |
| Acenaphthylene | 0.400 | 0.267 | 66.7 | 50.0-120 | |
| Benzo(a)anthracene | 0.400 | 0.253 | 63.3 | 48.0-121 | |
| Benzo(a)pyrene | 0.400 | 0.283 | 70.8 | 49.0-120 | |
| Benzo(b)fluoranthene | 0.400 | 0.294 | 73.5 | 46.0-120 | |
| Benzo(g,h,i)perylene | 0.400 | 0.291 | 72.8 | 42.0-133 | |
| Benzo(k)fluoranthene | 0.400 | 0.300 | 75.0 | 47.0-121 | |
| Chrysene | 0.400 | 0.293 | 73.3 | 49.0-126 | |
| Dibenz(a,h)anthracene | 0.400 | 0.321 | 80.3 | 46.0-127 | |
| Fluoranthene | 0.400 | 0.301 | 75.3 | 48.0-139 | |
| Fluorene | 0.400 | 0.284 | 71.0 | 52.0-120 | |

Laboratory Control Sample (LCS)

(LCS) R4018994-1 12/29/23 17:20

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Indeno(1,2,3-cd)pyrene | 0.400 | 0.289 | 72.3 | 45.0-129 | |
| Naphthalene | 0.400 | 0.276 | 69.0 | 54.0-120 | |
| Phenanthrene | 0.400 | 0.302 | 75.5 | 48.0-120 | |
| Pyrene | 0.400 | 0.287 | 71.8 | 49.0-121 | |
| (S) Nitrobenzene-d5 | | | 80.9 | 22.0-150 | |
| (S) 2-Fluorobiphenyl | | | 73.1 | 27.0-135 | |
| (S) p-Terphenyl-d14 | | | 70.0 | 22.0-129 | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4018994-2 12/29/23 17:41 • (LCSD) R4018994-3 12/29/23 18:02

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|----------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| DRO | 167 | 86.3 | 95.4 | 51.7 | 57.1 | 33.0-123 | | | 10.0 | 20 |
| (S) Nitrobenzene-d5 | | | | 82.9 | 81.1 | 22.0-150 | | | | |
| (S) 2-Fluorobiphenyl | | | | 61.6 | 69.3 | 27.0-135 | | | | |
| (S) p-Terphenyl-d14 | | | | 69.7 | 77.0 | 22.0-129 | | | | |

6 Qc

7 Gl

8 Al

9 Sc

L1690609-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690609-20 12/29/23 22:15 • (MS) R4018994-5 12/29/23 22:36 • (MSD) R4018994-6 12/29/23 22:57

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Anthracene | 0.481 | ND | 0.308 | 0.313 | 64.1 | 65.4 | 1 | 32.0-120 | | | 1.56 | 32 |
| Acenaphthene | 0.481 | ND | 0.296 | 0.305 | 61.6 | 63.6 | 1 | 32.0-120 | | | 2.82 | 25 |
| Acenaphthylene | 0.481 | ND | 0.305 | 0.305 | 63.3 | 63.6 | 1 | 50.0-120 | | | 0.000 | 20 |
| Benzo(a)anthracene | 0.481 | ND | 0.324 | 0.333 | 67.3 | 69.4 | 1 | 19.0-120 | | | 2.58 | 32 |
| Benzo(a)pyrene | 0.481 | ND | 0.365 | 0.368 | 75.9 | 76.8 | 1 | 22.0-120 | | | 0.660 | 32 |
| Benzo(b)fluoranthene | 0.481 | ND | 0.381 | 0.359 | 79.1 | 75.0 | 1 | 10.0-120 | | | 5.88 | 35 |
| Benzo(g,h,i)perylene | 0.481 | ND | 0.331 | 0.340 | 68.8 | 71.0 | 1 | 42.0-133 | | | 2.52 | 20 |
| Benzo(k)fluoranthene | 0.481 | ND | 0.351 | 0.363 | 72.9 | 75.8 | 1 | 34.0-120 | | | 3.39 | 28 |
| Chrysene | 0.481 | ND | 0.402 | 0.367 | 83.4 | 76.5 | 1 | 17.0-132 | | | 9.13 | 31 |
| Dibenz(a,h)anthracene | 0.481 | ND | 0.371 | 0.375 | 77.1 | 78.3 | 1 | 39.0-120 | | | 0.972 | 26 |
| Fluoranthene | 0.481 | ND | 0.429 | 0.353 | 89.2 | 73.7 | 1 | 10.0-145 | | | 19.5 | 27 |
| Fluorene | 0.481 | ND | 0.327 | 0.345 | 67.8 | 72.0 | 1 | 38.0-120 | | | 5.41 | 27 |
| Indeno(1,2,3-cd)pyrene | 0.481 | ND | 0.350 | 0.383 | 72.6 | 80.1 | 1 | 45.0-129 | | | 9.24 | 20 |
| Naphthalene | 0.481 | ND | 0.360 | 0.396 | 74.9 | 82.6 | 1 | 10.0-160 | | | 9.28 | 26 |
| Phenanthrene | 0.481 | ND | 0.397 | 0.348 | 82.4 | 72.7 | 1 | 48.0-120 | | | 13.0 | 20 |

L1690609-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690609-20 12/29/23 22:15 • (MS) R4018994-5 12/29/23 22:36 • (MSD) R4018994-6 12/29/23 22:57

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|-----------------------------|-----------------------------|--------------------------------|--------------------------|---------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Pyrene | 0.481 | ND | 0.406 | 0.374 | 82.0 | 75.6 | 1 | 10.0-132 | | | 8.37 | 40 |
| <i>(S) Nitrobenzene-d5</i> | | | | | 83.4 | 89.3 | | 22.0-150 | | | | |
| <i>(S) 2-Fluorobiphenyl</i> | | | | | 63.3 | 68.2 | | 27.0-135 | | | | |
| <i>(S) p-Terphenyl-d14</i> | | | | | 59.5 | 63.1 | | 22.0-129 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

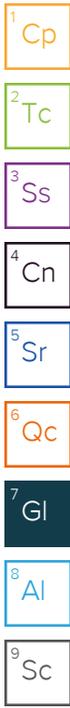
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

| | |
|------------------------------|--|
| (dry) | Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils]. |
| MDL | Method Detection Limit. |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| RDL | Reported Detection Limit. |
| RDL (dry) | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (S) | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|-----------|---|
| E | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J1 | Surrogate recovery limits have been exceeded; values are outside upper control limits. |
| J2 | Surrogate recovery limits have been exceeded; values are outside lower control limits. |
| J3 | The associated batch QC was outside the established quality control range for precision. |
| J4 | The associated batch QC was outside the established quality control range for accuracy. |
| Q | Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values. |



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|-------------------------------|-------------|-----------------------------|------------------|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey-NELAP | TN002 |
| California | 2932 | New Mexico ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio-VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA-Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Company Name/Address:
Terracon - St.Louis, MO
 11600 Lilburn Park Drive
 St. Louis, MO 63146

Billing Information:
Accounts Payable
 11600 Lilburn Park Dr.
 St. Louis, MO 63146

Analysis / Container / Preservative
 Pres Chk

Chain of Custody Page ___ of ___

MT JULIET, TN

Report to:
Karen Rieken

Email To: **karen.rieken@terracon.com**

Project Description:
Former General Services Building (GSB) - Rolla, MO

City/State Collected:

Please Circle:
 PT MT CT ET

Phone: **314-692-8811**

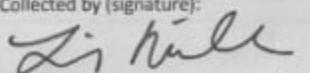
Client Project #
15237437 Task 1.3

Lab Project #
TERRSLMO-15237437

Collected by (print):
Liz Miller

Site/Facility ID #

P.O. #

Collected by (signature):


Rush? (Lab MUST Be Notified)
 ___ Same Day ___ Five Day
 ___ Next Day ___ 5 Day (Rad Only)
 ___ Two Day ___ 10 Day (Rad Only)
 ___ Three Day

Quote #
STP TAT

Immediately Packed on Ice N ___ Y **X**

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | 8260 Full Scan, GRO 40ml/TSP/Syr/MeOH | DROMO, PAHs - 8270 4ozClr-NoPres | TS 2ozClr-NoPres | Total Lead 2ozClr-NoPres |
|-----------|-----------|----------|--------|----------|------|--------------|---------------------------------------|----------------------------------|------------------|--------------------------|
| BV 0-3 | | SS | 0-3' | 12/18/23 | 1622 | 6 | X | X | X | X |
| B6 13-15 | | SS | 13-15' | 12/18/23 | 1627 | 6 | X | X | X | X |
| B7 0-3 | | SS | 0-3' | 12/18/23 | 1525 | 6 | X | X | X | X |
| B7 8-10 | | SS | 8-10' | 12/18/23 | 1550 | 6 | X | X | X | X |
| B8 0-3 | | SS | 0-3' | 12/18/23 | 1355 | 6 | X | X | X | X |
| B8 10-13 | | SS | 10-13' | 12/18/23 | 1410 | 6 | X | X | X | X |
| B9 0-3 | | SS | 0-3' | 12/18/23 | 1559 | 6 | X | X | X | X |
| B9 10-13 | | SS | 10-13' | 12/18/23 | 1606 | 6 | X | X | X | X |
| B10 0-3 | | SS | 0-3' | 12/18/23 | 1515 | 6 | X | X | X | X |
| B10 3-4 | | SS | 3-4' | 12/18/23 | 1515 | 6 | X | X | X | X |

12061 Lebanon Rd Mount Juliet, TN 37122
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at:
<https://info.pacelabs.com/files/pac-standard-terms.pdf>

SDG # **1690609**

Table #

Acctnum: **TERRSLMO**

Template: **T243544**

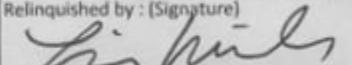
Prelogin: **P1043733**
 PM: **206 - Jeff Carr**

PB:
 Shipped Via: **FedEX Ground**

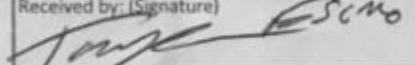
* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
 pH _____ Temp _____
 Flow _____ Other _____
 Samples returned via:
 ___ UPS ___ FedEx ___ Courier _____
 Tracking # _____

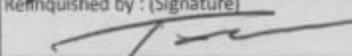
Sample Receipt Checklist
 COC Seal Present/Intact: ___ NP ___ N
 COC Signed/Accurate: ___ Y ___ N
 Bottles arrive intact: ___ Y ___ N
 Correct bottles used: ___ Y ___ N
 Sufficient volume sent: ___ Y ___ N
 IF Applicable
 VOA Zero Headspace: ___ Y ___ N
 Preservation Correct/Checked: ___ Y ___ N
 RAD Screen <0.5 mR/hr: ___ Y ___ N

Relinquished by: (Signature)


Date: **12/20/23**
 Time: **9:50**

Received by: (Signature)


Trip Blank Received: **Yes** No
 ___ / MeOH
 TBR

Relinquished by: (Signature)


Date:
 Time:

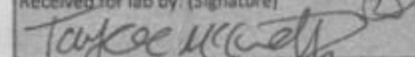
Received by: (Signature)

Temp: °C
132

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:
 Time:

Received for lab by: (Signature)


Date: **12-21-23**
 Time: **1000**

Hold:
 Condition: NCF / OK

12/22/23-NCF-L1690609-TERRSIMO

R2/R3/R4/RX/EX

Time estimate: 0h

Time spent: 0h

Members

- DP Devin Piedimonte (responsible)
- JC Jeff Carr
- JWH John V Hawkins

- Login Clarification needed
- Chain of custody is incomplete
- Please specify Metals requested
- Please specify TCLP requested
- Received additional samples not listed on COC
- Sample IDs on containers do not match IDs on COC
- Client did not "X" analysis
- Chain of Custody is missing
- If no COC: Received by: _____
- If no COC: Date/Time: _____
- If no COC: Temp./Cont.Rec./pH: _____
- If no COC: Carrier: _____
- If no COC: Tracking #: _____
- Client informed by call
- Client informed by Email
- Client informed by Voicemail
- Date/Time: 12-26-23 3:55 _____
- PM initials: JWH _____
- Client Contact: Liz Miller / Karen Reiken _____

Comments

| | |
|---|---------------------------------|
| <p><i>Devin Piedimonte</i></p> <p>Sample says: B14 10-12 however the CoC has B14 10-13 Sample says: B15 0-3 however the CoC has that crossed out and says B15 3-5. Labeled the samples with what the CoC stated.</p> | <p>22 December 2023 5:02 PM</p> |
| <p><i>Jennifer Huckaba</i></p> <p>Adding John onto this as Jeff has been and is still OOO this week.</p> | <p>26 December 2023 1:17 PM</p> |
| <p><i>Matthew Shacklock</i></p> <p>ID B5 0-3 can not be found</p> | <p>26 December 2023 3:51 PM</p> |

1690609

John V Hawkins

27 December 2023 9:39 AM

B-14 Should be B-14 10-12
B-15 Should be B15-0-3

If there was an extra sample jar for B-15 0-3 then it could be the B5 0-3 container, please check.

John,

Sorry for the delay.

Did you find extra sample jars for B15?, I was hoping the maybe B5 0-3 was missed labeled to B15 0-3.

The B14 sample should be B14 10-12, and the B15 sample should be B15 0-3.

Liz

Liz Miller, P.E.

Project Engineer

Due Diligence Group

11600 Lilburn Park Road I St. Louis, Missouri 63146

D (314) 692-8811 I F (314) 692-8810 I M (314) 306-6471

liz.miller@terracon.com I Terracon.com

Troy Dunlap

2 January 2024 1:01 PM

No extra containers received for B15 0-3.

John V Hawkins

2 January 2024 1:04 PM

Proceed as logged

Troy Dunlap

2 January 2024 1:05 PM

Done.



Terracon - St.Louis, MO

Sample Delivery Group: L1692367
Samples Received: 12/30/2023
Project Number: 15237437 Task 1.3
Description: Former General Services Building (GSB) - Rolla, MO

Report To: Karen Rieken
11600 Lilburn Park Drive
St. Louis, MO 63146

Entire Report Reviewed By:



Jeff Carr
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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| Sr: Sample Results | 5 | 3 Ss |
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| TRIP BLANK L1692367-02 | 7 | 4 Cn |
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SAMPLE SUMMARY

B-7 L1692367-01 GW

Collected by: Sean M
 Collected date/time: 12/28/23 10:42
 Received date/time: 12/30/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Metals (ICP) by Method 6010B | WG2199301 | 1 | 01/03/24 10:32 | 01/03/24 20:07 | DJS | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2203122 | 1 | 01/08/24 17:47 | 01/08/24 17:47 | ADM | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG2198959 | 1 | 01/02/24 06:07 | 01/03/24 01:11 | AGW | Mt. Juliet, TN |

TRIP BLANK L1692367-02 GW

Collected by: Sean M
 Collected date/time: 12/28/23 00:00
 Received date/time: 12/30/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2203122 | 1 | 01/08/24 16:41 | 01/08/24 16:41 | ADM | Mt. Juliet, TN |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jeff Carr
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|----------------|--------|-----------|---------|----------|------------------|---------------------------|
| | mg/l | | mg/l | | date / time | |
| Lead,Dissolved | ND | | 0.00600 | 1 | 01/03/2024 20:07 | WG2199301 |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|-----------------------------|--------|--------------------|---------|----------|------------------|---------------------------|
| | mg/l | | mg/l | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.500 | 1 | 01/08/2024 17:47 | WG2203122 |
| Acetone | ND | | 0.0500 | 1 | 01/08/2024 17:47 | WG2203122 |
| Acrylonitrile | ND | | 0.0100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Benzene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Bromobenzene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Bromodichloromethane | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Bromoform | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Bromomethane | ND | | 0.00500 | 1 | 01/08/2024 17:47 | WG2203122 |
| n-Butylbenzene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| sec-Butylbenzene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| tert-Butylbenzene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Carbon tetrachloride | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Chlorobenzene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Chlorodibromomethane | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Chloroethane | ND | | 0.00500 | 1 | 01/08/2024 17:47 | WG2203122 |
| Chloroform | ND | | 0.00500 | 1 | 01/08/2024 17:47 | WG2203122 |
| Chloromethane | ND | | 0.00250 | 1 | 01/08/2024 17:47 | WG2203122 |
| 2-Chlorotoluene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 4-Chlorotoluene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00500 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,2-Dibromoethane | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Dibromomethane | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,2-Dichlorobenzene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,3-Dichlorobenzene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,4-Dichlorobenzene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Dichlorodifluoromethane | ND | | 0.00500 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,1-Dichloroethane | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,2-Dichloroethane | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,1-Dichloroethene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| cis-1,2-Dichloroethene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| trans-1,2-Dichloroethene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,2-Dichloropropane | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,1-Dichloropropene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,3-Dichloropropane | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| cis-1,3-Dichloropropene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| trans-1,3-Dichloropropene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 2,2-Dichloropropane | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Di-isopropyl ether | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Hexachloro-1,3-butadiene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Isopropylbenzene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| p-Isopropyltoluene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 2-Butanone (MEK) | ND | J3 | 0.0100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Methylene Chloride | ND | | 0.00500 | 1 | 01/08/2024 17:47 | WG2203122 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Methyl tert-butyl ether | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Naphthalene | ND | | 0.00500 | 1 | 01/08/2024 17:47 | WG2203122 |
| n-Propylbenzene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Styrene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|--------------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| 1,1,2,2-Tetrachloroethane | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Tetrachloroethene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Toluene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,2,3-Trichlorobenzene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,2,4-Trichlorobenzene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,1,1-Trichloroethane | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,1,2-Trichloroethane | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Trichloroethene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Trichlorofluoromethane | ND | | 0.00500 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,2,3-Trichloropropane | ND | | 0.00250 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,2,4-Trimethylbenzene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,2,3-Trimethylbenzene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| 1,3,5-Trimethylbenzene | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Vinyl chloride | ND | | 0.00100 | 1 | 01/08/2024 17:47 | WG2203122 |
| Xylenes, Total | ND | | 0.00300 | 1 | 01/08/2024 17:47 | WG2203122 |
| (S) Toluene-d8 | 109 | | 80.0-120 | | 01/08/2024 17:47 | WG2203122 |
| (S) 4-Bromofluorobenzene | 103 | | 77.0-126 | | 01/08/2024 17:47 | WG2203122 |
| (S) 1,2-Dichloroethane-d4 | 98.1 | | 70.0-130 | | 01/08/2024 17:47 | WG2203122 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|------------------------|----------------|--------------------|-------------|----------|-------------------------|---------------------------|
| DRO | ND | | 1.00 | 1 | 01/03/2024 01:11 | WG2198959 |
| ORO | ND | | 1.00 | 1 | 01/03/2024 01:11 | WG2198959 |
| Anthracene | ND | | 0.00100 | 1 | 01/03/2024 01:11 | WG2198959 |
| Acenaphthene | ND | | 0.00100 | 1 | 01/03/2024 01:11 | WG2198959 |
| Acenaphthylene | ND | | 0.00100 | 1 | 01/03/2024 01:11 | WG2198959 |
| Benzo(a)anthracene | ND | | 0.00100 | 1 | 01/03/2024 01:11 | WG2198959 |
| Benzo(a)pyrene | ND | | 0.00100 | 1 | 01/03/2024 01:11 | WG2198959 |
| Benzo(b)fluoranthene | ND | | 0.00100 | 1 | 01/03/2024 01:11 | WG2198959 |
| Benzo(g,h,i)perylene | ND | | 0.00100 | 1 | 01/03/2024 01:11 | WG2198959 |
| Benzo(k)fluoranthene | ND | | 0.00100 | 1 | 01/03/2024 01:11 | WG2198959 |
| Chrysene | ND | | 0.00100 | 1 | 01/03/2024 01:11 | WG2198959 |
| Dibenz(a,h)anthracene | ND | | 0.00100 | 1 | 01/03/2024 01:11 | WG2198959 |
| Fluoranthene | ND | | 0.00100 | 1 | 01/03/2024 01:11 | WG2198959 |
| Fluorene | ND | | 0.00100 | 1 | 01/03/2024 01:11 | WG2198959 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.00100 | 1 | 01/03/2024 01:11 | WG2198959 |
| Naphthalene | ND | | 0.00100 | 1 | 01/03/2024 01:11 | WG2198959 |
| Phenanthrene | ND | | 0.00100 | 1 | 01/03/2024 01:11 | WG2198959 |
| Pyrene | ND | | 0.00100 | 1 | 01/03/2024 01:11 | WG2198959 |
| (S) Nitrobenzene-d5 | 67.8 | | 54.0-159 | | 01/03/2024 01:11 | WG2198959 |
| (S) 2-Fluorobiphenyl | 38.9 | J2 | 65.0-127 | | 01/03/2024 01:11 | WG2198959 |
| (S) p-Terphenyl-d14 | 3.58 | J2 | 50.0-120 | | 01/03/2024 01:11 | WG2198959 |

Sample Narrative:

L1692367-01 WG2198959: Surrogate failure due to matrix interference.

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|--------------------------------|--------|-----------|---------|----------|------------------|-----------|
| | mg/l | | mg/l | | date / time | |
| TPH (GC/MS) Low Fraction | ND | | 0.500 | 1 | 01/08/2024 16:41 | WG2203122 |
| Acetone | ND | | 0.0500 | 1 | 01/08/2024 16:41 | WG2203122 |
| Acrylonitrile | ND | | 0.0100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Benzene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Bromobenzene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Bromodichloromethane | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Bromoform | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Bromomethane | ND | | 0.00500 | 1 | 01/08/2024 16:41 | WG2203122 |
| n-Butylbenzene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| sec-Butylbenzene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| tert-Butylbenzene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Carbon tetrachloride | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Chlorobenzene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Chlorodibromomethane | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Chloroethane | ND | | 0.00500 | 1 | 01/08/2024 16:41 | WG2203122 |
| Chloroform | ND | | 0.00500 | 1 | 01/08/2024 16:41 | WG2203122 |
| Chloromethane | ND | | 0.00250 | 1 | 01/08/2024 16:41 | WG2203122 |
| 2-Chlorotoluene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 4-Chlorotoluene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,2-Dibromo-3-Chloropropane | ND | | 0.00500 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,2-Dibromoethane | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Dibromomethane | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,2-Dichlorobenzene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,3-Dichlorobenzene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,4-Dichlorobenzene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Dichlorodifluoromethane | ND | | 0.00500 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,1-Dichloroethane | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,2-Dichloroethane | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,1-Dichloroethene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| cis-1,2-Dichloroethene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| trans-1,2-Dichloroethene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,2-Dichloropropane | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,1-Dichloropropene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,3-Dichloropropane | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| cis-1,3-Dichloropropene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| trans-1,3-Dichloropropene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 2,2-Dichloropropane | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Di-isopropyl ether | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Hexachloro-1,3-butadiene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Isopropylbenzene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| p-Isopropyltoluene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 2-Butanone (MEK) | ND | J3 | 0.0100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Methylene Chloride | ND | | 0.00500 | 1 | 01/08/2024 16:41 | WG2203122 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Methyl tert-butyl ether | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Naphthalene | ND | | 0.00500 | 1 | 01/08/2024 16:41 | WG2203122 |
| n-Propylbenzene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Styrene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Tetrachloroethene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Toluene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,2,3-Trichlorobenzene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,2,4-Trichlorobenzene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|---------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| 1,1,1-Trichloroethane | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,1,2-Trichloroethane | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Trichloroethene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Trichlorofluoromethane | ND | | 0.00500 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,2,3-Trichloropropane | ND | | 0.00250 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,2,4-Trimethylbenzene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,2,3-Trimethylbenzene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| 1,3,5-Trimethylbenzene | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Vinyl chloride | ND | | 0.00100 | 1 | 01/08/2024 16:41 | WG2203122 |
| Xylenes, Total | ND | | 0.00300 | 1 | 01/08/2024 16:41 | WG2203122 |
| (S) Toluene-d8 | 104 | | 80.0-120 | | 01/08/2024 16:41 | WG2203122 |
| (S) 4-Bromofluorobenzene | 99.5 | | 77.0-126 | | 01/08/2024 16:41 | WG2203122 |
| (S) 1,2-Dichloroethane-d4 | 101 | | 70.0-130 | | 01/08/2024 16:41 | WG2203122 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4019511-1 01/03/24 19:50

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|----------------|-------------------|--------------|----------------|----------------|
| Lead,Dissolved | U | | 0.00299 | 0.00600 |

Laboratory Control Sample (LCS)

(LCS) R4019511-2 01/03/24 19:53

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------|----------------------|--------------------|---------------|------------------|---------------|
| Lead,Dissolved | 1.00 | 0.943 | 94.3 | 80.0-120 | |

L1692373-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692373-07 01/03/24 19:56 • (MS) R4019511-4 01/03/24 20:02 • (MSD) R4019511-5 01/03/24 20:04

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|----------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Lead,Dissolved | 1.00 | ND | 0.956 | 0.955 | 95.6 | 95.5 | 1 | 75.0-125 | | | 0.0464 | 20 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4021216-4 01/08/24 16:19

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| TPH (GC/MS) Low Fraction | U | | 0.108 | 0.500 |
| Acetone | U | | 0.0113 | 0.0500 |
| Acrylonitrile | U | | 0.000671 | 0.0100 |
| Benzene | U | | 0.0000941 | 0.00100 |
| Bromobenzene | U | | 0.000118 | 0.00100 |
| Bromodichloromethane | U | | 0.000136 | 0.00100 |
| Bromoform | U | | 0.000129 | 0.00100 |
| Bromomethane | U | | 0.000605 | 0.00500 |
| n-Butylbenzene | U | | 0.000157 | 0.00100 |
| sec-Butylbenzene | U | | 0.000125 | 0.00100 |
| tert-Butylbenzene | U | | 0.000127 | 0.00100 |
| Carbon tetrachloride | U | | 0.000128 | 0.00100 |
| Chlorobenzene | U | | 0.000116 | 0.00100 |
| Chlorodibromomethane | U | | 0.000140 | 0.00100 |
| Chloroethane | U | | 0.000192 | 0.00500 |
| Chloroform | U | | 0.000111 | 0.00500 |
| Chloromethane | U | | 0.000960 | 0.00250 |
| 2-Chlorotoluene | U | | 0.000106 | 0.00100 |
| 4-Chlorotoluene | U | | 0.000114 | 0.00100 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.000276 | 0.00500 |
| 1,2-Dibromoethane | U | | 0.000126 | 0.00100 |
| Dibromomethane | U | | 0.000122 | 0.00100 |
| 1,2-Dichlorobenzene | U | | 0.000107 | 0.00100 |
| 1,3-Dichlorobenzene | U | | 0.000110 | 0.00100 |
| 1,4-Dichlorobenzene | U | | 0.000120 | 0.00100 |
| Dichlorodifluoromethane | U | | 0.000374 | 0.00500 |
| 1,1-Dichloroethane | U | | 0.000100 | 0.00100 |
| 1,2-Dichloroethane | U | | 0.0000819 | 0.00100 |
| 1,1-Dichloroethene | U | | 0.000188 | 0.00100 |
| cis-1,2-Dichloroethene | U | | 0.000126 | 0.00100 |
| trans-1,2-Dichloroethene | U | | 0.000149 | 0.00100 |
| 1,2-Dichloropropane | U | | 0.000149 | 0.00100 |
| 1,1-Dichloropropene | U | | 0.000142 | 0.00100 |
| 1,3-Dichloropropane | U | | 0.000110 | 0.00100 |
| cis-1,3-Dichloropropene | U | | 0.000111 | 0.00100 |
| trans-1,3-Dichloropropene | U | | 0.000118 | 0.00100 |
| 2,2-Dichloropropane | U | | 0.000161 | 0.00100 |
| Di-isopropyl ether | U | | 0.000105 | 0.00100 |
| Ethylbenzene | U | | 0.000137 | 0.00100 |
| Hexachloro-1,3-butadiene | U | | 0.000337 | 0.00100 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4021216-4 01/08/24 16:19

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|--------------------------------|-------------------|--------------|----------------|----------------|
| Isopropylbenzene | U | | 0.000105 | 0.00100 |
| p-Isopropyltoluene | U | | 0.000120 | 0.00100 |
| 2-Butanone (MEK) | U | | 0.00119 | 0.0100 |
| Methylene Chloride | U | | 0.000430 | 0.00500 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.000478 | 0.0100 |
| Methyl tert-butyl ether | U | | 0.000101 | 0.00100 |
| Naphthalene | U | | 0.00100 | 0.00500 |
| n-Propylbenzene | U | | 0.0000993 | 0.00100 |
| Styrene | U | | 0.000118 | 0.00100 |
| 1,1,1,2-Tetrachloroethane | U | | 0.000147 | 0.00100 |
| 1,1,2,2-Tetrachloroethane | U | | 0.000133 | 0.00100 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.000180 | 0.00100 |
| Tetrachloroethene | U | | 0.000300 | 0.00100 |
| Toluene | U | | 0.000278 | 0.00100 |
| 1,2,3-Trichlorobenzene | U | | 0.000230 | 0.00100 |
| 1,2,4-Trichlorobenzene | U | | 0.000481 | 0.00100 |
| 1,1,1-Trichloroethane | U | | 0.000149 | 0.00100 |
| 1,1,2-Trichloroethane | U | | 0.000158 | 0.00100 |
| Trichloroethene | U | | 0.000190 | 0.00100 |
| Trichlorofluoromethane | U | | 0.000160 | 0.00500 |
| 1,2,3-Trichloropropane | U | | 0.000237 | 0.00250 |
| 1,2,4-Trimethylbenzene | U | | 0.000322 | 0.00100 |
| 1,2,3-Trimethylbenzene | U | | 0.000104 | 0.00100 |
| 1,3,5-Trimethylbenzene | U | | 0.000104 | 0.00100 |
| Vinyl chloride | U | | 0.000234 | 0.00100 |
| Xylenes, Total | U | | 0.000174 | 0.00300 |
| (S) Toluene-d8 | 113 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 103 | | | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 98.6 | | | 70.0-130 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021216-1 01/08/24 14:51 • (LCSD) R4021216-2 01/08/24 15:13

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone | 0.0250 | 0.0204 | 0.0200 | 81.6 | 80.0 | 19.0-160 | | | 1.98 | 27 |
| Acrylonitrile | 0.0250 | 0.0220 | 0.0215 | 88.0 | 86.0 | 55.0-149 | | | 2.30 | 20 |
| Benzene | 0.00500 | 0.00509 | 0.00512 | 102 | 102 | 70.0-123 | | | 0.588 | 20 |
| Bromobenzene | 0.00500 | 0.00502 | 0.00526 | 100 | 105 | 73.0-121 | | | 4.67 | 20 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021216-1 01/08/24 14:51 • (LCSD) R4021216-2 01/08/24 15:13

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Bromodichloromethane | 0.00500 | 0.00497 | 0.00524 | 99.4 | 105 | 75.0-120 | | | 5.29 | 20 |
| Bromoform | 0.00500 | 0.00451 | 0.00464 | 90.2 | 92.8 | 68.0-132 | | | 2.84 | 20 |
| Bromomethane | 0.00500 | 0.00551 | 0.00530 | 110 | 106 | 10.0-160 | | | 3.89 | 25 |
| n-Butylbenzene | 0.00500 | 0.00516 | 0.00570 | 103 | 114 | 73.0-125 | | | 9.94 | 20 |
| sec-Butylbenzene | 0.00500 | 0.00505 | 0.00489 | 101 | 97.8 | 75.0-125 | | | 3.22 | 20 |
| tert-Butylbenzene | 0.00500 | 0.00504 | 0.00528 | 101 | 106 | 76.0-124 | | | 4.65 | 20 |
| Carbon tetrachloride | 0.00500 | 0.00492 | 0.00490 | 98.4 | 98.0 | 68.0-126 | | | 0.407 | 20 |
| Chlorobenzene | 0.00500 | 0.00509 | 0.00492 | 102 | 98.4 | 80.0-121 | | | 3.40 | 20 |
| Chlorodibromomethane | 0.00500 | 0.00456 | 0.00473 | 91.2 | 94.6 | 77.0-125 | | | 3.66 | 20 |
| Chloroethane | 0.00500 | 0.00458 | 0.00473 | 91.6 | 94.6 | 47.0-150 | | | 3.22 | 20 |
| Chloroform | 0.00500 | 0.00517 | 0.00524 | 103 | 105 | 73.0-120 | | | 1.34 | 20 |
| Chloromethane | 0.00500 | 0.00489 | 0.00481 | 97.8 | 96.2 | 41.0-142 | | | 1.65 | 20 |
| 2-Chlorotoluene | 0.00500 | 0.00513 | 0.00530 | 103 | 106 | 76.0-123 | | | 3.26 | 20 |
| 4-Chlorotoluene | 0.00500 | 0.00475 | 0.00483 | 95.0 | 96.6 | 75.0-122 | | | 1.67 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.00500 | 0.00445 | 0.00484 | 89.0 | 96.8 | 58.0-134 | | | 8.40 | 20 |
| 1,2-Dibromoethane | 0.00500 | 0.00449 | 0.00513 | 89.8 | 103 | 80.0-122 | | | 13.3 | 20 |
| Dibromomethane | 0.00500 | 0.00492 | 0.00527 | 98.4 | 105 | 80.0-120 | | | 6.87 | 20 |
| 1,2-Dichlorobenzene | 0.00500 | 0.00498 | 0.00525 | 99.6 | 105 | 79.0-121 | | | 5.28 | 20 |
| 1,3-Dichlorobenzene | 0.00500 | 0.00474 | 0.00505 | 94.8 | 101 | 79.0-120 | | | 6.33 | 20 |
| 1,4-Dichlorobenzene | 0.00500 | 0.00503 | 0.00513 | 101 | 103 | 79.0-120 | | | 1.97 | 20 |
| Dichlorodifluoromethane | 0.00500 | 0.00458 | 0.00470 | 91.6 | 94.0 | 51.0-149 | | | 2.59 | 20 |
| 1,1-Dichloroethane | 0.00500 | 0.00500 | 0.00514 | 100 | 103 | 70.0-126 | | | 2.76 | 20 |
| 1,2-Dichloroethane | 0.00500 | 0.00479 | 0.00496 | 95.8 | 99.2 | 70.0-128 | | | 3.49 | 20 |
| 1,1-Dichloroethene | 0.00500 | 0.00519 | 0.00524 | 104 | 105 | 71.0-124 | | | 0.959 | 20 |
| cis-1,2-Dichloroethene | 0.00500 | 0.00542 | 0.00527 | 108 | 105 | 73.0-120 | | | 2.81 | 20 |
| trans-1,2-Dichloroethene | 0.00500 | 0.00534 | 0.00537 | 107 | 107 | 73.0-120 | | | 0.560 | 20 |
| 1,2-Dichloropropane | 0.00500 | 0.00497 | 0.00478 | 99.4 | 95.6 | 77.0-125 | | | 3.90 | 20 |
| 1,1-Dichloropropene | 0.00500 | 0.00539 | 0.00498 | 108 | 99.6 | 74.0-126 | | | 7.91 | 20 |
| 1,3-Dichloropropane | 0.00500 | 0.00497 | 0.00514 | 99.4 | 103 | 80.0-120 | | | 3.36 | 20 |
| cis-1,3-Dichloropropene | 0.00500 | 0.00478 | 0.00508 | 95.6 | 102 | 80.0-123 | | | 6.09 | 20 |
| trans-1,3-Dichloropropene | 0.00500 | 0.00486 | 0.00456 | 97.2 | 91.2 | 78.0-124 | | | 6.37 | 20 |
| 2,2-Dichloropropane | 0.00500 | 0.00498 | 0.00525 | 99.6 | 105 | 58.0-130 | | | 5.28 | 20 |
| Di-isopropyl ether | 0.00500 | 0.00488 | 0.00515 | 97.6 | 103 | 58.0-138 | | | 5.38 | 20 |
| Ethylbenzene | 0.00500 | 0.00494 | 0.00499 | 98.8 | 99.8 | 79.0-123 | | | 1.01 | 20 |
| Hexachloro-1,3-butadiene | 0.00500 | 0.00562 | 0.00585 | 112 | 117 | 54.0-138 | | | 4.01 | 20 |
| Isopropylbenzene | 0.00500 | 0.00505 | 0.00511 | 101 | 102 | 76.0-127 | | | 1.18 | 20 |
| p-Isopropyltoluene | 0.00500 | 0.00519 | 0.00534 | 104 | 107 | 76.0-125 | | | 2.85 | 20 |
| 2-Butanone (MEK) | 0.0250 | 0.0234 | 0.0160 | 93.6 | 64.0 | 44.0-160 | | J3 | 37.6 | 20 |
| Methylene Chloride | 0.00500 | 0.00486 | 0.00489 | 97.2 | 97.8 | 67.0-120 | | | 0.615 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 0.0250 | 0.0242 | 0.0249 | 96.8 | 99.6 | 68.0-142 | | | 2.85 | 20 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021216-1 01/08/24 14:51 • (LCSD) R4021216-2 01/08/24 15:13

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Methyl tert-butyl ether | 0.00500 | 0.00501 | 0.00514 | 100 | 103 | 68.0-125 | | | 2.56 | 20 |
| Naphthalene | 0.00500 | 0.00502 | 0.00496 | 100 | 99.2 | 54.0-135 | | | 1.20 | 20 |
| n-Propylbenzene | 0.00500 | 0.00497 | 0.00527 | 99.4 | 105 | 77.0-124 | | | 5.86 | 20 |
| Styrene | 0.00500 | 0.00430 | 0.00437 | 86.0 | 87.4 | 73.0-130 | | | 1.61 | 20 |
| 1,1,1,2-Tetrachloroethane | 0.00500 | 0.00497 | 0.00499 | 99.4 | 99.8 | 75.0-125 | | | 0.402 | 20 |
| 1,1,2,2-Tetrachloroethane | 0.00500 | 0.00500 | 0.00524 | 100 | 105 | 65.0-130 | | | 4.69 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.00500 | 0.00493 | 0.00485 | 98.6 | 97.0 | 69.0-132 | | | 1.64 | 20 |
| Tetrachloroethene | 0.00500 | 0.00514 | 0.00519 | 103 | 104 | 72.0-132 | | | 0.968 | 20 |
| Toluene | 0.00500 | 0.00508 | 0.00494 | 102 | 98.8 | 79.0-120 | | | 2.79 | 20 |
| 1,2,3-Trichlorobenzene | 0.00500 | 0.00493 | 0.00494 | 98.6 | 98.8 | 50.0-138 | | | 0.203 | 20 |
| 1,2,4-Trichlorobenzene | 0.00500 | 0.00494 | 0.00529 | 98.8 | 106 | 57.0-137 | | | 6.84 | 20 |
| 1,1,1-Trichloroethane | 0.00500 | 0.00495 | 0.00497 | 99.0 | 99.4 | 73.0-124 | | | 0.403 | 20 |
| 1,1,2-Trichloroethane | 0.00500 | 0.00492 | 0.00528 | 98.4 | 106 | 80.0-120 | | | 7.06 | 20 |
| Trichloroethene | 0.00500 | 0.00523 | 0.00526 | 105 | 105 | 78.0-124 | | | 0.572 | 20 |
| Trichlorofluoromethane | 0.00500 | 0.00464 | 0.00459 | 92.8 | 91.8 | 59.0-147 | | | 1.08 | 20 |
| 1,2,3-Trichloropropane | 0.00500 | 0.00490 | 0.00539 | 98.0 | 108 | 73.0-130 | | | 9.52 | 20 |
| 1,2,4-Trimethylbenzene | 0.00500 | 0.00542 | 0.00541 | 108 | 108 | 76.0-121 | | | 0.185 | 20 |
| 1,2,3-Trimethylbenzene | 0.00500 | 0.00512 | 0.00532 | 102 | 106 | 60.0-153 | | | 3.83 | 20 |
| 1,3,5-Trimethylbenzene | 0.00500 | 0.00518 | 0.00518 | 104 | 104 | 76.0-122 | | | 0.000 | 20 |
| Vinyl chloride | 0.00500 | 0.00503 | 0.00479 | 101 | 95.8 | 67.0-131 | | | 4.89 | 20 |
| Xylenes, Total | 0.0150 | 0.0145 | 0.0151 | 96.7 | 101 | 79.0-123 | | | 4.05 | 20 |
| (S) Toluene-d8 | | | | 106 | 106 | 80.0-120 | | | | |
| (S) 4-Bromofluorobenzene | | | | 102 | 101 | 77.0-126 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 101 | 101 | 70.0-130 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4021216-3 01/08/24 15:35

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|----------------------|--------------------|---------------|------------------|---------------|
| TPH (GC/MS) Low Fraction | 5.00 | 4.47 | 89.4 | 66.0-132 | |
| (S) Toluene-d8 | | | 107 | 80.0-120 | |
| (S) 4-Bromofluorobenzene | | | 112 | 77.0-126 | |
| (S) 1,2-Dichloroethane-d4 | | | 101 | 70.0-130 | |

Method Blank (MB)

(MB) R4019417-1 01/02/24 23:26

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------------|-----------|--------------|-----------|----------|
| | mg/l | | mg/l | mg/l |
| DRO | U | | 0.185 | 1.00 |
| ORO | U | | 0.185 | 1.00 |
| Anthracene | U | | 0.000400 | 0.00100 |
| Acenaphthene | U | | 0.000420 | 0.00100 |
| Acenaphthylene | U | | 0.000309 | 0.00100 |
| Benzo(a)anthracene | U | | 0.000299 | 0.00100 |
| Benzo(a)pyrene | U | | 0.000103 | 0.00100 |
| Benzo(b)fluoranthene | U | | 0.0000212 | 0.00100 |
| Benzo(g,h,i)perylene | U | | 0.000161 | 0.00100 |
| Benzo(k)fluoranthene | U | | 0.000130 | 0.00100 |
| Chrysene | U | | 0.000137 | 0.00100 |
| Dibenz(a,h)anthracene | U | | 0.0000866 | 0.00100 |
| Fluoranthene | U | | 0.0000856 | 0.00100 |
| Fluorene | U | | 0.000154 | 0.00100 |
| Indeno(1,2,3-cd)pyrene | U | | 0.0000990 | 0.00100 |
| Naphthalene | U | | 0.0000500 | 0.00100 |
| Phenanthrene | U | | 0.000113 | 0.00100 |
| Pyrene | U | | 0.000109 | 0.00100 |
| (S) Nitrobenzene-d5 | 91.3 | | | 54.0-159 |
| (S) 2-Fluorobiphenyl | 76.3 | | | 65.0-127 |
| (S) p-Terphenyl-d14 | 80.3 | | | 50.0-120 |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019417-2 01/02/24 23:47 • (LCSD) R4019417-3 01/03/24 00:08

| Analyte | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|----------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| | mg/l | mg/l | mg/l | % | % | % | | | % | % |
| DRO | 2.00 | 1.36 | 1.36 | 68.0 | 68.0 | 31.0-140 | | | 0.000 | 20 |
| (S) Nitrobenzene-d5 | | | | 96.5 | 110 | 54.0-159 | | | | |
| (S) 2-Fluorobiphenyl | | | | 75.2 | 85.0 | 65.0-127 | | | | |
| (S) p-Terphenyl-d14 | | | | 78.3 | 81.6 | 50.0-120 | | | | |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019417-4 01/03/24 00:29 • (LCSD) R4019417-5 01/03/24 00:50

| Analyte | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|--------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| | mg/l | mg/l | mg/l | % | % | % | | | % | % |
| Anthracene | 0.0100 | 0.00788 | 0.00781 | 78.8 | 78.1 | 54.0-143 | | | 0.892 | 20 |
| Acenaphthene | 0.0100 | 0.00740 | 0.00760 | 74.0 | 76.0 | 58.0-143 | | | 2.67 | 20 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019417-4 01/03/24 00:29 • (LCSD) R4019417-5 01/03/24 00:50

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD % | RPD Limits % |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Acenaphthylene | 0.0100 | 0.00749 | 0.00808 | 74.9 | 80.8 | 60.0-147 | | | 7.58 | 20 |
| Benzo(a)anthracene | 0.0100 | 0.00734 | 0.00735 | 73.4 | 73.5 | 53.0-144 | | | 0.136 | 20 |
| Benzo(a)pyrene | 0.0100 | 0.00819 | 0.00797 | 81.9 | 79.7 | 51.0-146 | | | 2.72 | 20 |
| Benzo(b)fluoranthene | 0.0100 | 0.00852 | 0.00795 | 85.2 | 79.5 | 50.0-145 | | | 6.92 | 20 |
| Benzo(g,h,i)perylene | 0.0100 | 0.00805 | 0.00760 | 80.5 | 76.0 | 46.0-154 | | | 5.75 | 20 |
| Benzo(k)fluoranthene | 0.0100 | 0.00850 | 0.00853 | 85.0 | 85.3 | 49.0-145 | | | 0.352 | 20 |
| Chrysene | 0.0100 | 0.00773 | 0.00866 | 77.3 | 86.6 | 54.0-149 | | | 11.3 | 20 |
| Dibenz(a,h)anthracene | 0.0100 | 0.00819 | 0.00738 | 81.9 | 73.8 | 45.0-152 | | | 10.4 | 20 |
| Fluoranthene | 0.0100 | 0.00795 | 0.00874 | 79.5 | 87.4 | 57.0-155 | | | 9.47 | 20 |
| Fluorene | 0.0100 | 0.00832 | 0.00872 | 83.2 | 87.2 | 60.0-139 | | | 4.69 | 20 |
| Indeno(1,2,3-cd)pyrene | 0.0100 | 0.00904 | 0.00807 | 90.4 | 80.7 | 48.0-153 | | | 11.3 | 20 |
| Naphthalene | 0.0100 | 0.00840 | 0.00819 | 84.0 | 81.9 | 55.0-132 | | | 2.53 | 20 |
| Phenanthrene | 0.0100 | 0.00867 | 0.00922 | 86.7 | 92.2 | 55.0-141 | | | 6.15 | 20 |
| Pyrene | 0.0100 | 0.00809 | 0.00859 | 80.9 | 85.9 | 50.0-151 | | | 6.00 | 20 |
| <i>(S) Nitrobenzene-d5</i> | | | | 92.5 | 89.7 | 54.0-159 | | | | |
| <i>(S) 2-Fluorobiphenyl</i> | | | | 78.5 | 86.1 | 65.0-127 | | | | |
| <i>(S) p-Terphenyl-d14</i> | | | | 75.2 | 80.2 | 50.0-120 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

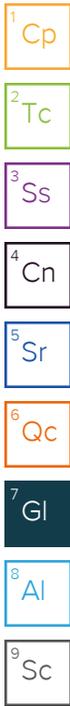
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

| | |
|------------------------------|--|
| MDL | Method Detection Limit. |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (S) | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|-----------|--|
| J2 | Surrogate recovery limits have been exceeded; values are outside lower control limits. |
| J3 | The associated batch QC was outside the established quality control range for precision. |



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|-------------------------------|-------------|-----------------------------|------------------|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey-NELAP | TN002 |
| California | 2932 | New Mexico ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio-VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA-Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Company Name/Address:
Terracon - St.Louis, MO
 11600 Lilburn Park Drive
 St. Louis, MO 63146

Billing Information:
Accounts Payable
 11600 Lilburn Park Dr.
 St. Louis, MO 63146

Pres Chk

Report to:
Karen Rieken

Email To: **karen.rieken@terracon.com**

Project Description:
Former General Services Building (GSB) - Rolla, MO

City/State Collected:

Please Circle:
 PT MT CT ET

Phone: **314-692-8811**

Client Project #
15237437 Task 1.3

Lab Project #
TERRSLMO-15237437

Collected by (print):
Sean Mahony

Site/Facility ID #

P.O. #

Collected by (signature):
[Signature]
 Immediately Packed on Ice N Y X

Rush? (Lab MUST Be Notified)
 ___ Same Day ___ Five Day
 ___ Next Day ___ 5 Day (Rad Only)
 ___ Two Day ___ 10 Day (Rad Only)
 ___ Three Day

Quote #
 Date Results Needed

| | | Analysis / Container / Preservative | | | | | |
|------------|--------------|-------------------------------------|---------------------------------|------------------------------------|---------------------------------|--|--|
| Sample ID | No. of Cntrs | 8260 Full Scan, GRO 40mlAmb-HCl-Blk | 8260 Full Scan, GRO 40mlAmb-TSP | DROMO. PAHMO LVI 40mlAmb-NoPres-WT | Dissolved Lead 250mlHDPE-NoPres | | |
| B-7 | 6 | X | X | X | | | |
| | 6 | X | X | X | | | |
| | 6 | X | X | X | | | |
| | 6 | X | X | X | | | |
| | 6 | X | X | X | | | |
| | 6 | X | X | X | | | |
| TRIP BLANK | 1 | X | | | | | |

Chain of Custody Page ___ of ___

Pace
 PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd. Mount Juliet, TN 37122
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at:
<https://info.pacelabs.com/labels/pac-standard-terms.pdf>

SP# **41692367**
D227

Acctnum: **TERRSLMO**
 Template: **T243587**
 Prelogin: **P1043741**
 PM: **206 - Jeff Carr**
 PB:

Shipped Via: **FedEX Ground**

| Remarks | Sample # (lab only) |
|---------|---------------------|
| | -01 |
| | -02 |

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via:
 ___ UPS ___ FedEx ___ Courier

Tracking # **5117 4472 9923**

Sample Receipt Checklist

COC Seal Present/Intact: NP N
 COC Signed/Accurate: N N
 Bottles arrive intact: N N
 Correct bottles used: N N
 Sufficient volume sent: N N
 If Applicable
 VOA Zero Headspace: N N
 Preservation Correct/Checked: N N
 RAD Screen <0.5 mR/hr: N N

Relinquished by: (Signature)
[Signature]

Date: **12/29/23**

Time: **1024**

Received by: (Signature)
[Signature]

Date: **12/29/23**

Time: **0900**

Trip Blank Received: No MeOH TBR

Temp: **0.3°C** Bottles Received: **6**

Date: **12/30/23** Time: **0900**

If preservation required by Login: Date/Time

Hold:

Condition: **OK**

APPENDIX E – Landfill Profile Test Results

November 02, 2023

Liz Miller
Terracon
11600 Lilburn Park Rd.
St. Louis, MO 63146
TEL: (314) 692-8811
FAX: (314) 692-8810



| | |
|-----------|---------|
| Illinois | 100226 |
| Kansas | E-10374 |
| Louisiana | 05002 |
| Louisiana | 05003 |
| Oklahoma | 9978 |

RE: 15237402

WorkOrder: 23102157

Dear Liz Miller:

TEKLAB, INC received 3 samples on 10/26/2023 2:27:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

This reporting package includes the following:

| | |
|-------------------------|----------|
| Cover Letter | 1 |
| Report Contents | 2 |
| Definitions | 3 |
| Case Narrative | 5 |
| Accreditations | 6 |
| Laboratory Results | 7 |
| Quality Control Results | 19 |
| Receiving Check List | 55 |
| Chain of Custody | Appended |

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

Abbr Definition

* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

Qualifiers

- | | |
|---|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| C - RL shown is a Client Requested Quantitation Limit | E - Value above quantitation range |
| H - Holding times exceeded | I - Associated internal standard was outside method criteria |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | T - TIC(Tentatively identified compound) |
| X - Value exceeds Maximum Contaminant Level | |



Case Narrative

<http://www.teklabinc.com/>

Client: Terracon
Client Project: 15237402

Work Order: 23102157
Report Date: 02-Nov-23

Cooler Receipt Temp: 17.2 °C

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com



Accreditations

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

| State | Dept | Cert # | NELAP | Exp Date | Lab |
|-----------|------|---------|-------|-----------|--------------|
| Illinois | IEPA | 100226 | NELAP | 1/31/2024 | Collinsville |
| Kansas | KDHE | E-10374 | NELAP | 4/30/2024 | Collinsville |
| Louisiana | LDEQ | 05002 | NELAP | 6/30/2024 | Collinsville |
| Louisiana | LDEQ | 05003 | NELAP | 6/30/2024 | Collinsville |
| Oklahoma | ODEQ | 9978 | NELAP | 8/31/2024 | Collinsville |
| Arkansas | ADEQ | 88-0966 | | 3/14/2024 | Collinsville |
| Illinois | IDPH | 17584 | | 5/31/2025 | Collinsville |
| Iowa | IDNR | 430 | | 6/1/2024 | Collinsville |
| Kentucky | UST | 0073 | | 1/31/2024 | Collinsville |
| Missouri | MDNR | 00930 | | 5/31/2023 | Collinsville |
| Missouri | MDNR | 930 | | 1/31/2025 | Collinsville |

Client: Terracon
 Client Project: 15237402
 Lab ID: 23102157-001
 Matrix: SOLID

Work Order: 23102157
 Report Date: 02-Nov-23
 Client Sample ID: GSB-1
 Collection Date: 10/26/2023 10:13

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|-----------|------|-----------|-----------|-----|------------------|---------|
| ASTM D92 | | | | | | | | |
| Ignitability, Open Cup | * | 60 | | >200 | °F | 1 | 10/31/2023 8:41 | R338470 |
| EPA SW846 3550B, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | * | 0.1 | | 20.3 | % | 1 | 10/27/2023 13:37 | R338421 |
| SW-846 9045C | | | | | | | | |
| pH (1:1) | NELAP | 1.00 | | 7.13 | | 1 | 10/27/2023 14:09 | R338382 |
| SW-846 9095 | | | | | | | | |
| Paint Filter | NELAP | 0 | | Pass | Pass/Fail | 1 | 10/31/2023 12:39 | R338508 |
| SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP | | | | | | | | |
| Arsenic | NELAP | 0.250 | | < 0.250 | mg/L | 1 | 10/31/2023 9:23 | 213922 |
| Barium | NELAP | 0.450 | | 0.662 | mg/L | 1 | 10/31/2023 9:23 | 213922 |
| Cadmium | NELAP | 0.0200 | | < 0.0200 | mg/L | 1 | 10/31/2023 9:23 | 213922 |
| Chromium | NELAP | 0.100 | | < 0.100 | mg/L | 1 | 10/31/2023 9:23 | 213922 |
| Lead | NELAP | 0.400 | | < 0.400 | mg/L | 1 | 10/31/2023 9:23 | 213922 |
| Selenium | NELAP | 0.500 | | < 0.500 | mg/L | 1 | 10/31/2023 9:23 | 213922 |
| Silver | NELAP | 0.0700 | | < 0.0700 | mg/L | 1 | 10/31/2023 9:23 | 213922 |
| SW-846 1311, 7470A IN TCLP EXTRACT | | | | | | | | |
| Mercury | NELAP | 0.00020 | | < 0.00020 | mg/L | 1 | 10/31/2023 13:05 | 213931 |
| SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS | | | | | | | | |
| 1,4-Dichlorobenzene | * | 0.100 | | ND | mg/L | 1 | 11/01/2023 10:32 | 214003 |
| 2,4,5-Trichlorophenol | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 10:32 | 214003 |
| 2,4,6-Trichlorophenol | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 10:32 | 214003 |
| 2,4-Dinitrotoluene | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 10:32 | 214003 |
| Cresols, Total | NELAP | 0.200 | | ND | mg/L | 1 | 11/01/2023 10:32 | 214003 |
| Hexachlorobenzene | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 10:32 | 214003 |
| Hexachlorobutadiene | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 10:32 | 214003 |
| Hexachloroethane | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 10:32 | 214003 |
| m,p-Cresol | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 10:32 | 214003 |
| Nitrobenzene | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 10:32 | 214003 |
| o-Cresol | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 10:32 | 214003 |
| Pentachlorophenol | NELAP | 0.200 | | ND | mg/L | 1 | 11/01/2023 10:32 | 214003 |
| Pyridine | NELAP | 0.200 | | ND | mg/L | 1 | 11/01/2023 10:32 | 214003 |
| Surr: 2,4,6-Tribromophenol | * | 45.7-125 | | 80.1 | %REC | 1 | 11/01/2023 10:32 | 214003 |
| Surr: 2-Fluorobiphenyl | * | 35.2-108 | | 67.6 | %REC | 1 | 11/01/2023 10:32 | 214003 |
| Surr: 2-Fluorophenol | * | 28.2-86.9 | | 48.7 | %REC | 1 | 11/01/2023 10:32 | 214003 |
| Surr: Nitrobenzene-d5 | * | 37.9-108 | | 62.1 | %REC | 1 | 11/01/2023 10:32 | 214003 |
| Surr: Phenol-d5 | * | 24.3-66.8 | | 36.8 | %REC | 1 | 11/01/2023 10:32 | 214003 |
| Surr: p-Terphenyl-d14 | * | 22.4-106 | | 75.6 | %REC | 1 | 11/01/2023 10:32 | 214003 |
| SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS | | | | | | | | |
| 1,1-Dichloroethene | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 14:11 | 213963 |
| 1,2-Dichloroethane | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 14:11 | 213963 |
| 1,4-Dichlorobenzene | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 14:11 | 213963 |
| 2-Butanone | NELAP | 1.00 | | ND | mg/L | 100 | 10/30/2023 14:11 | 213963 |
| Benzene | NELAP | 0.050 | | ND | mg/L | 100 | 10/30/2023 14:11 | 213963 |
| Carbon tetrachloride | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 14:11 | 213963 |
| Chlorobenzene | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 14:11 | 213963 |
| Chloroform | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 14:11 | 213963 |

Client: Terracon
 Client Project: 15237402
 Lab ID: 23102157-001
 Matrix: SOLID

Work Order: 23102157
 Report Date: 02-Nov-23
 Client Sample ID: GSB-1
 Collection Date: 10/26/2023 10:13

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|--------|------|--------|-----------|------|------------------|--------|
| SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS | | | | | | | | |
| Tetrachloroethene | NELAP | 0.050 | | ND | mg/L | 100 | 10/30/2023 14:11 | 213963 |
| Trichloroethene | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 14:11 | 213963 |
| Vinyl chloride | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 14:11 | 213963 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | | 99.0 | %REC | 100 | 10/30/2023 14:11 | 213963 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | 100.5 | %REC | 100 | 10/30/2023 14:11 | 213963 |
| Surr: Dibromofluoromethane | * | 80-120 | | 102.3 | %REC | 100 | 10/30/2023 14:11 | 213963 |
| Surr: Toluene-d8 | * | 80-120 | | 102.8 | %REC | 100 | 10/30/2023 14:11 | 213963 |
| SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,1,1-Trichloroethane | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,1,2,2-Tetrachloroethane | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | * | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,1,2-Trichloroethane | NELAP | 0.0718 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,1-Dichloro-2-propanone | * | 0.718 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,1-Dichloroethane | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,1-Dichloroethene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,1-Dichloropropene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,2,3-Trichlorobenzene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,2,3-Trichloropropane | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,2,3-Trimethylbenzene | * | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,2,4-Trichlorobenzene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,2,4-Trimethylbenzene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,2-Dibromo-3-chloropropane | NELAP | 0.0718 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,2-Dibromoethane | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,2-Dichlorobenzene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,2-Dichloroethane | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,2-Dichloropropane | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,3,5-Trimethylbenzene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,3-Dichlorobenzene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,3-Dichloropropane | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1,4-Dichlorobenzene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 1-Chlorobutane | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 2,2-Dichloropropane | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 2-Butanone | NELAP | 0.359 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 2-Chlorotoluene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 2-Hexanone | NELAP | 0.359 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 2-Nitropropane | NELAP | 0.718 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 4-Chlorotoluene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| 4-Methyl-2-pentanone | NELAP | 0.359 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Acetone | NELAP | 0.359 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Acrolein | NELAP | 0.718 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Acrylonitrile | NELAP | 0.0718 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Allyl chloride | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Benzene | NELAP | 0.0144 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Bromobenzene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Bromochloromethane | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Bromodichloromethane | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |

Client: Terracon
 Client Project: 15237402
 Lab ID: 23102157-001
 Matrix: SOLID

Work Order: 23102157
 Report Date: 02-Nov-23
 Client Sample ID: GSB-1
 Collection Date: 10/26/2023 10:13

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|--------|------|--------|-----------|------|------------------|--------|
| SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS | | | | | | | | |
| Bromoform | NELAP | 0.0718 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Bromomethane | NELAP | 0.144 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Carbon disulfide | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Carbon tetrachloride | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Chlorobenzene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Chloroethane | NELAP | 0.144 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Chloroform | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Chloromethane | NELAP | 0.144 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| cis-1,2-Dichloroethene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| cis-1,3-Dichloropropene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Cyclohexanone | * | 0.718 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Dibromochloromethane | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Dibromomethane | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Dichlorodifluoromethane | NELAP | 0.144 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Ethyl ether | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Ethyl methacrylate | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Ethylbenzene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Hexachlorobutadiene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Hexachloroethane | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Iodomethane | NELAP | 0.144 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Isopropylbenzene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| m,p-Xylenes | NELAP | 0.0575 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Methacrylonitrile | NELAP | 0.0718 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Methyl Methacrylate | NELAP | 0.0718 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Methyl tert-butyl ether | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Methylacrylate | NELAP | 0.0718 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Methylene chloride | NELAP | 0.144 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Naphthalene | NELAP | 0.0718 | | 0.0849 | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| n-Butylbenzene | NELAP | 0.0287 | | 0.155 | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| n-Heptane | * | 0.287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| n-Hexane | * | 0.287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Nitrobenzene | NELAP | 0.718 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| n-Propylbenzene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| o-Xylene | NELAP | 0.0575 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Pentachloroethane | NELAP | 0.0718 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| p-Isopropyltoluene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Propionitrile | NELAP | 0.718 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| sec-Butylbenzene | NELAP | 0.0287 | | 0.108 | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Styrene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| tert-Butylbenzene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Tetrachloroethene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Tetrahydrofuran | NELAP | 0.144 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Toluene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| trans-1,2-Dichloroethene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| trans-1,3-Dichloropropene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Trichloroethene | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Trichlorofluoromethane | NELAP | 0.0718 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Terracon
Client Project: 15237402
Lab ID: 23102157-001
Matrix: SOLID

Work Order: 23102157
Report Date: 02-Nov-23
Client Sample ID: GSB-1
Collection Date: 10/26/2023 10:13

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|--------|------|--------|-----------|------|------------------|--------|
| SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS | | | | | | | | |
| Vinyl acetate | NELAP | 0.718 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Vinyl chloride | NELAP | 0.0287 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 19:32 | 213880 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | | 86.4 | %REC | 12.5 | 10/27/2023 19:32 | 213880 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | 88.2 | %REC | 12.5 | 10/27/2023 19:32 | 213880 |
| Surr: Dibromofluoromethane | * | 80-120 | | 91.1 | %REC | 12.5 | 10/27/2023 19:32 | 213880 |
| Surr: Toluene-d8 | * | 80-120 | | 101.2 | %REC | 12.5 | 10/27/2023 19:32 | 213880 |

LCS recovered outside upper control limits for 1,1,1,2-Tetrachloroethane and Bromoform. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

Elevated reporting limits due to high levels of petroleum hydrocarbons.

Client: Terracon
 Client Project: 15237402
 Lab ID: 23102157-002
 Matrix: SOLID

Work Order: 23102157
 Report Date: 02-Nov-23
 Client Sample ID: GSB-2
 Collection Date: 10/26/2023 10:23

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|-----------|------|-----------|-----------|-----|------------------|---------|
| ASTM D92 | | | | | | | | |
| Ignitability, Open Cup | * | 60 | | >200 | °F | 1 | 10/31/2023 9:02 | R338470 |
| EPA SW846 3550B, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | * | 0.1 | | 20.4 | % | 1 | 10/27/2023 13:37 | R338421 |
| SW-846 9045C | | | | | | | | |
| pH (1:1) | NELAP | 1.00 | | 6.83 | | 1 | 10/27/2023 11:57 | R338382 |
| SW-846 9095 | | | | | | | | |
| Paint Filter | NELAP | 0 | | Pass | Pass/Fail | 1 | 10/31/2023 12:49 | R338508 |
| SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP | | | | | | | | |
| Arsenic | NELAP | 0.250 | | < 0.250 | mg/L | 1 | 10/31/2023 9:24 | 213922 |
| Barium | NELAP | 0.450 | | 1.25 | mg/L | 1 | 10/31/2023 9:24 | 213922 |
| Cadmium | NELAP | 0.0200 | | < 0.0200 | mg/L | 1 | 10/31/2023 9:24 | 213922 |
| Chromium | NELAP | 0.100 | | < 0.100 | mg/L | 1 | 10/31/2023 9:24 | 213922 |
| Lead | NELAP | 0.400 | | < 0.400 | mg/L | 1 | 10/31/2023 9:24 | 213922 |
| Selenium | NELAP | 0.500 | | < 0.500 | mg/L | 1 | 10/31/2023 9:24 | 213922 |
| Silver | NELAP | 0.0700 | | < 0.0700 | mg/L | 1 | 10/31/2023 9:24 | 213922 |
| SW-846 1311, 7470A IN TCLP EXTRACT | | | | | | | | |
| Mercury | NELAP | 0.00020 | | < 0.00020 | mg/L | 1 | 10/31/2023 13:07 | 213931 |
| SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS | | | | | | | | |
| 1,4-Dichlorobenzene | * | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:02 | 214003 |
| 2,4,5-Trichlorophenol | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:02 | 214003 |
| 2,4,6-Trichlorophenol | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:02 | 214003 |
| 2,4-Dinitrotoluene | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:02 | 214003 |
| Cresols, Total | NELAP | 0.200 | | ND | mg/L | 1 | 11/01/2023 11:02 | 214003 |
| Hexachlorobenzene | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:02 | 214003 |
| Hexachlorobutadiene | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:02 | 214003 |
| Hexachloroethane | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:02 | 214003 |
| m,p-Cresol | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:02 | 214003 |
| Nitrobenzene | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:02 | 214003 |
| o-Cresol | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:02 | 214003 |
| Pentachlorophenol | NELAP | 0.200 | | ND | mg/L | 1 | 11/01/2023 11:02 | 214003 |
| Pyridine | NELAP | 0.200 | | ND | mg/L | 1 | 11/01/2023 11:02 | 214003 |
| Surr: 2,4,6-Tribromophenol | * | 45.7-125 | | 78.3 | %REC | 1 | 11/01/2023 11:02 | 214003 |
| Surr: 2-Fluorobiphenyl | * | 35.2-108 | | 76.5 | %REC | 1 | 11/01/2023 11:02 | 214003 |
| Surr: 2-Fluorophenol | * | 28.2-86.9 | | 61.7 | %REC | 1 | 11/01/2023 11:02 | 214003 |
| Surr: Nitrobenzene-d5 | * | 37.9-108 | | 78.4 | %REC | 1 | 11/01/2023 11:02 | 214003 |
| Surr: Phenol-d5 | * | 24.3-66.8 | | 45.6 | %REC | 1 | 11/01/2023 11:02 | 214003 |
| Surr: p-Terphenyl-d14 | * | 22.4-106 | | 76.1 | %REC | 1 | 11/01/2023 11:02 | 214003 |
| SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS | | | | | | | | |
| 1,1-Dichloroethene | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 14:37 | 213963 |
| 1,2-Dichloroethane | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 14:37 | 213963 |
| 1,4-Dichlorobenzene | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 14:37 | 213963 |
| 2-Butanone | NELAP | 1.00 | | ND | mg/L | 100 | 10/30/2023 14:37 | 213963 |
| Benzene | NELAP | 0.050 | | ND | mg/L | 100 | 10/30/2023 14:37 | 213963 |
| Carbon tetrachloride | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 14:37 | 213963 |
| Chlorobenzene | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 14:37 | 213963 |
| Chloroform | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 14:37 | 213963 |

Client: Terracon
 Client Project: 15237402
 Lab ID: 23102157-002
 Matrix: SOLID

Work Order: 23102157
 Report Date: 02-Nov-23
 Client Sample ID: GSB-2
 Collection Date: 10/26/2023 10:23

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|--------|------|--------|-----------|-----|------------------|--------|
| SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS | | | | | | | | |
| Tetrachloroethene | NELAP | 0.050 | | ND | mg/L | 100 | 10/30/2023 14:37 | 213963 |
| Trichloroethene | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 14:37 | 213963 |
| Vinyl chloride | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 14:37 | 213963 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | | 98.6 | %REC | 100 | 10/30/2023 14:37 | 213963 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | 98.6 | %REC | 100 | 10/30/2023 14:37 | 213963 |
| Surr: Dibromofluoromethane | * | 80-120 | | 100.7 | %REC | 100 | 10/30/2023 14:37 | 213963 |
| Surr: Toluene-d8 | * | 80-120 | | 101.3 | %REC | 100 | 10/30/2023 14:37 | 213963 |
| SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,1,1-Trichloroethane | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,1,2,2-Tetrachloroethane | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | * | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,1,2-Trichloroethane | NELAP | 0.0053 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,1-Dichloro-2-propanone | * | 0.0528 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,1-Dichloroethane | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,1-Dichloroethene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,1-Dichloropropene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,2,3-Trichlorobenzene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,2,3-Trichloropropane | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,2,3-Trimethylbenzene | * | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,2,4-Trichlorobenzene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,2,4-Trimethylbenzene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,2-Dibromo-3-chloropropane | NELAP | 0.0053 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,2-Dibromoethane | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,2-Dichlorobenzene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,2-Dichloroethane | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,2-Dichloropropane | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,3,5-Trimethylbenzene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,3-Dichlorobenzene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,3-Dichloropropane | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1,4-Dichlorobenzene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 1-Chlorobutane | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 2,2-Dichloropropane | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 2-Butanone | NELAP | 0.0264 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 2-Chlorotoluene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 2-Hexanone | NELAP | 0.0264 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 2-Nitropropane | NELAP | 0.0528 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 4-Chlorotoluene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| 4-Methyl-2-pentanone | NELAP | 0.0264 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Acetone | NELAP | 0.0264 | | 0.0593 | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Acrolein | NELAP | 0.0528 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Acrylonitrile | NELAP | 0.0053 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Allyl chloride | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Benzene | NELAP | 0.0011 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Bromobenzene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Bromochloromethane | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Bromodichloromethane | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |

Client: Terracon
 Client Project: 15237402
 Lab ID: 23102157-002
 Matrix: SOLID

Work Order: 23102157
 Report Date: 02-Nov-23
 Client Sample ID: GSB-2
 Collection Date: 10/26/2023 10:23

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|--------|------|--------|-----------|----|------------------|--------|
| SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS | | | | | | | | |
| Bromoform | NELAP | 0.0053 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Bromomethane | NELAP | 0.0106 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Carbon disulfide | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Carbon tetrachloride | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Chlorobenzene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Chloroethane | NELAP | 0.0106 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Chloroform | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Chloromethane | NELAP | 0.0106 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| cis-1,2-Dichloroethene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| cis-1,3-Dichloropropene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Cyclohexanone | * | 0.0528 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Dibromochloromethane | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Dibromomethane | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Dichlorodifluoromethane | NELAP | 0.0106 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Ethyl ether | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Ethyl methacrylate | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Ethylbenzene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Hexachlorobutadiene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Hexachloroethane | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Iodomethane | NELAP | 0.0106 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Isopropylbenzene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| m,p-Xylenes | NELAP | 0.0042 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Methacrylonitrile | NELAP | 0.0053 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Methyl Methacrylate | NELAP | 0.0053 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Methyl tert-butyl ether | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Methylacrylate | NELAP | 0.0053 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Methylene chloride | NELAP | 0.0106 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Naphthalene | NELAP | 0.0053 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| n-Butylbenzene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| n-Heptane | * | 0.0211 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| n-Hexane | * | 0.0211 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Nitrobenzene | NELAP | 0.0528 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| n-Propylbenzene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| o-Xylene | NELAP | 0.0042 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Pentachloroethane | NELAP | 0.0053 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| p-Isopropyltoluene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Propionitrile | NELAP | 0.0528 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| sec-Butylbenzene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Styrene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| tert-Butylbenzene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Tetrachloroethene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Tetrahydrofuran | NELAP | 0.0106 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Toluene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| trans-1,2-Dichloroethene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| trans-1,3-Dichloropropene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Trichloroethene | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Trichlorofluoromethane | NELAP | 0.0053 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Terracon
Client Project: 15237402
Lab ID: 23102157-002
Matrix: SOLID

Work Order: 23102157
Report Date: 02-Nov-23
Client Sample ID: GSB-2
Collection Date: 10/26/2023 10:23

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|--------|------|--------|-----------|----|------------------|--------|
| SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS | | | | | | | | |
| Vinyl acetate | NELAP | 0.0528 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Vinyl chloride | NELAP | 0.0021 | | ND | mg/Kg-dry | 1 | 10/27/2023 14:15 | 213880 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | | 97.1 | %REC | 1 | 10/27/2023 14:15 | 213880 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | 85.8 | %REC | 1 | 10/27/2023 14:15 | 213880 |
| Surr: Dibromofluoromethane | * | 80-120 | | 102.0 | %REC | 1 | 10/27/2023 14:15 | 213880 |
| Surr: Toluene-d8 | * | 80-120 | | 95.6 | %REC | 1 | 10/27/2023 14:15 | 213880 |

LCS recovered outside upper control limits for 1,1,1,2-Tetrachloroethane and Bromoform. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

Client: Terracon
 Client Project: 15237402
 Lab ID: 23102157-003
 Matrix: SOLID

Work Order: 23102157
 Report Date: 02-Nov-23
 Client Sample ID: GSB-3
 Collection Date: 10/26/2023 10:34

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|-----------|------|-----------|-----------|-----|------------------|---------|
| ASTM D92 | | | | | | | | |
| Ignitability, Open Cup | * | 60 | | >200 | °F | 1 | 10/31/2023 9:28 | R338470 |
| EPA SW846 3550B, 5035A, ASTM D2974 | | | | | | | | |
| Percent Moisture | * | 0.1 | | 20.8 | % | 1 | 10/27/2023 13:38 | R338421 |
| SW-846 9045C | | | | | | | | |
| pH (1:1) | NELAP | 1.00 | | 7.34 | | 1 | 10/27/2023 11:43 | R338382 |
| SW-846 9095 | | | | | | | | |
| Paint Filter | NELAP | 0 | | Pass | Pass/Fail | 1 | 10/31/2023 12:59 | R338508 |
| SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP | | | | | | | | |
| Arsenic | NELAP | 0.250 | | < 0.250 | mg/L | 1 | 10/31/2023 9:25 | 213922 |
| Barium | NELAP | 0.450 | | 1.59 | mg/L | 1 | 10/31/2023 9:25 | 213922 |
| Cadmium | NELAP | 0.0200 | | < 0.0200 | mg/L | 1 | 10/31/2023 9:25 | 213922 |
| Chromium | NELAP | 0.100 | | < 0.100 | mg/L | 1 | 10/31/2023 9:25 | 213922 |
| Lead | NELAP | 0.400 | | < 0.400 | mg/L | 1 | 10/31/2023 9:25 | 213922 |
| Selenium | NELAP | 0.500 | | < 0.500 | mg/L | 1 | 10/31/2023 9:25 | 213922 |
| Silver | NELAP | 0.0700 | | < 0.0700 | mg/L | 1 | 10/31/2023 9:25 | 213922 |
| SW-846 1311, 7470A IN TCLP EXTRACT | | | | | | | | |
| Mercury | NELAP | 0.00020 | | < 0.00020 | mg/L | 1 | 10/31/2023 13:10 | 213931 |
| SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS | | | | | | | | |
| 1,4-Dichlorobenzene | * | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:33 | 214003 |
| 2,4,5-Trichlorophenol | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:33 | 214003 |
| 2,4,6-Trichlorophenol | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:33 | 214003 |
| 2,4-Dinitrotoluene | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:33 | 214003 |
| Cresols, Total | NELAP | 0.200 | | ND | mg/L | 1 | 11/01/2023 11:33 | 214003 |
| Hexachlorobenzene | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:33 | 214003 |
| Hexachlorobutadiene | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:33 | 214003 |
| Hexachloroethane | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:33 | 214003 |
| m,p-Cresol | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:33 | 214003 |
| Nitrobenzene | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:33 | 214003 |
| o-Cresol | NELAP | 0.100 | | ND | mg/L | 1 | 11/01/2023 11:33 | 214003 |
| Pentachlorophenol | NELAP | 0.200 | | ND | mg/L | 1 | 11/01/2023 11:33 | 214003 |
| Pyridine | NELAP | 0.200 | | ND | mg/L | 1 | 11/01/2023 11:33 | 214003 |
| Surr: 2,4,6-Tribromophenol | * | 45.7-125 | | 83.2 | %REC | 1 | 11/01/2023 11:33 | 214003 |
| Surr: 2-Fluorobiphenyl | * | 35.2-108 | | 85.2 | %REC | 1 | 11/01/2023 11:33 | 214003 |
| Surr: 2-Fluorophenol | * | 28.2-86.9 | | 44.6 | %REC | 1 | 11/01/2023 11:33 | 214003 |
| Surr: Nitrobenzene-d5 | * | 37.9-108 | | 79.5 | %REC | 1 | 11/01/2023 11:33 | 214003 |
| Surr: Phenol-d5 | * | 24.3-66.8 | | 35.0 | %REC | 1 | 11/01/2023 11:33 | 214003 |
| Surr: p-Terphenyl-d14 | * | 22.4-106 | | 67.6 | %REC | 1 | 11/01/2023 11:33 | 214003 |
| SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS | | | | | | | | |
| 1,1-Dichloroethene | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 15:02 | 213963 |
| 1,2-Dichloroethane | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 15:02 | 213963 |
| 1,4-Dichlorobenzene | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 15:02 | 213963 |
| 2-Butanone | NELAP | 1.00 | | ND | mg/L | 100 | 10/30/2023 15:02 | 213963 |
| Benzene | NELAP | 0.050 | | ND | mg/L | 100 | 10/30/2023 15:02 | 213963 |
| Carbon tetrachloride | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 15:02 | 213963 |
| Chlorobenzene | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 15:02 | 213963 |
| Chloroform | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 15:02 | 213963 |

Client: Terracon
 Client Project: 15237402
 Lab ID: 23102157-003
 Matrix: SOLID

Work Order: 23102157
 Report Date: 02-Nov-23
 Client Sample ID: GSB-3
 Collection Date: 10/26/2023 10:34

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|--------|------|--------|-----------|------|------------------|--------|
| SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS | | | | | | | | |
| Tetrachloroethene | NELAP | 0.050 | | ND | mg/L | 100 | 10/30/2023 15:02 | 213963 |
| Trichloroethene | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 15:02 | 213963 |
| Vinyl chloride | NELAP | 0.200 | | ND | mg/L | 100 | 10/30/2023 15:02 | 213963 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | | 98.6 | %REC | 100 | 10/30/2023 15:02 | 213963 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | 98.9 | %REC | 100 | 10/30/2023 15:02 | 213963 |
| Surr: Dibromofluoromethane | * | 80-120 | | 101.6 | %REC | 100 | 10/30/2023 15:02 | 213963 |
| Surr: Toluene-d8 | * | 80-120 | | 103.5 | %REC | 100 | 10/30/2023 15:02 | 213963 |
| SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,1,1-Trichloroethane | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,1,2,2-Tetrachloroethane | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | * | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,1,2-Trichloroethane | NELAP | 0.156 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,1-Dichloro-2-propanone | * | 1.56 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,1-Dichloroethane | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,1-Dichloroethene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,1-Dichloropropene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,2,3-Trichlorobenzene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,2,3-Trichloropropane | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,2,3-Trimethylbenzene | * | 0.0624 | | 0.655 | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,2,4-Trichlorobenzene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,2,4-Trimethylbenzene | NELAP | 0.0624 | | 0.0764 | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,2-Dibromo-3-chloropropane | NELAP | 0.156 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,2-Dibromoethane | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,2-Dichlorobenzene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,2-Dichloroethane | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,2-Dichloropropane | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,3,5-Trimethylbenzene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,3-Dichlorobenzene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,3-Dichloropropane | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1,4-Dichlorobenzene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 1-Chlorobutane | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 2,2-Dichloropropane | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 2-Butanone | NELAP | 0.780 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 2-Chlorotoluene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 2-Hexanone | NELAP | 0.780 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 2-Nitropropane | NELAP | 1.56 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 4-Chlorotoluene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| 4-Methyl-2-pentanone | NELAP | 0.780 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Acetone | NELAP | 0.780 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Acrolein | NELAP | 1.56 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Acrylonitrile | NELAP | 0.156 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Allyl chloride | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Benzene | NELAP | 0.0312 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Bromobenzene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Bromochloromethane | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Bromodichloromethane | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Terracon
 Client Project: 15237402
 Lab ID: 23102157-003
 Matrix: SOLID

Work Order: 23102157
 Report Date: 02-Nov-23
 Client Sample ID: GSB-3
 Collection Date: 10/26/2023 10:34

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|--------|------|--------|-----------|------|------------------|--------|
| SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS | | | | | | | | |
| Bromoform | NELAP | 0.156 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Bromomethane | NELAP | 0.312 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Carbon disulfide | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Carbon tetrachloride | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Chlorobenzene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Chloroethane | NELAP | 0.312 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Chloroform | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Chloromethane | NELAP | 0.312 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| cis-1,2-Dichloroethene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| cis-1,3-Dichloropropene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Cyclohexanone | * | 1.56 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Dibromochloromethane | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Dibromomethane | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Dichlorodifluoromethane | NELAP | 0.312 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Ethyl ether | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Ethyl methacrylate | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Ethylbenzene | NELAP | 0.0624 | | 0.238 | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Hexachlorobutadiene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Hexachloroethane | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Iodomethane | NELAP | 0.312 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Isopropylbenzene | NELAP | 0.0624 | | 0.0721 | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| m,p-Xylenes | NELAP | 0.125 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Methacrylonitrile | NELAP | 0.156 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Methyl Methacrylate | NELAP | 0.156 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Methyl tert-butyl ether | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Methylacrylate | NELAP | 0.156 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Methylene chloride | NELAP | 0.312 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Naphthalene | NELAP | 0.156 | | 0.743 | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| n-Butylbenzene | NELAP | 0.0624 | | 0.337 | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| n-Heptane | * | 0.624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| n-Hexane | * | 0.624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Nitrobenzene | NELAP | 1.56 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| n-Propylbenzene | NELAP | 0.0624 | | 0.350 | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| o-Xylene | NELAP | 0.125 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Pentachloroethane | NELAP | 0.156 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| p-Isopropyltoluene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Propionitrile | NELAP | 1.56 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| sec-Butylbenzene | NELAP | 0.0624 | | 0.0814 | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Styrene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| tert-Butylbenzene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Tetrachloroethene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Tetrahydrofuran | NELAP | 0.312 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Toluene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| trans-1,2-Dichloroethene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| trans-1,3-Dichloropropene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Trichloroethene | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Trichlorofluoromethane | NELAP | 0.156 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |



Laboratory Results

<http://www.teklabinc.com/>

Client: Terracon
 Client Project: 15237402
 Lab ID: 23102157-003
 Matrix: SOLID

Work Order: 23102157
 Report Date: 02-Nov-23
 Client Sample ID: GSB-3
 Collection Date: 10/26/2023 10:34

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|--|---------------|--------|------|--------|-----------|------|------------------|--------|
| SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS | | | | | | | | |
| Vinyl acetate | NELAP | 1.56 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Vinyl chloride | NELAP | 0.0624 | | ND | mg/Kg-dry | 12.5 | 10/27/2023 14:41 | 213880 |
| Surr: 1,2-Dichloroethane-d4 | * | 80-120 | | 86.8 | %REC | 12.5 | 10/27/2023 14:41 | 213880 |
| Surr: 4-Bromofluorobenzene | * | 80-120 | | 83.3 | %REC | 12.5 | 10/27/2023 14:41 | 213880 |
| Surr: Dibromofluoromethane | * | 80-120 | | 94.2 | %REC | 12.5 | 10/27/2023 14:41 | 213880 |
| Surr: Toluene-d8 | * | 80-120 | | 100.4 | %REC | 12.5 | 10/27/2023 14:41 | 213880 |

LCS recovered outside upper control limits for 1,1,1,2-Tetrachloroethane and Bromoform. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

Elevated reporting limit due to high levels of target and/or non-target analytes.

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

ASTM D92

| Batch R338470 | | SampType: DUP | | Units °F | | RPD Limit 5 | | | | Date Analyzed |
|--------------------------|------|---------------|------|----------|-------|-------------|------|-------------|------|---------------|
| SampID: 23102038-001ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| Ignitability, Open Cup | * | 60 | | >200 | | | | 0 | 0.00 | 10/30/2023 |

| Batch R338470 | | SampType: DUP | | Units °F | | RPD Limit 5 | | | | Date Analyzed |
|--------------------------|------|---------------|------|----------|-------|-------------|------|-------------|------|---------------|
| SampID: 23102139-001BDUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| Ignitability, Open Cup | * | 60 | | <60 | | | | 0 | 0.00 | 10/31/2023 |

EPA SW846 3550B, 5035A, ASTM D2974

| Batch R338421 | | SampType: LCS | | Units % | | | | | | Date Analyzed |
|------------------|------|---------------|------|---------|-------|-------------|-------|-----------|------------|---------------|
| SampID: LCS | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | |
| Percent Moisture | * | 0.1 | | 99.0 | 99.00 | 0 | 100.0 | 90 | 110 | 10/27/2023 |

| Batch R338421 | | SampType: LCSQC | | Units % | | | | | | Date Analyzed |
|------------------|------|-----------------|------|---------|-------|-------------|-------|-----------|------------|---------------|
| SampID: LCSQC | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | |
| Percent Moisture | * | 0.1 | | 99.0 | 99.00 | 0 | 100.0 | 90 | 110 | 10/27/2023 |

SW-846 9045C

| Batch R338382 | | SampType: LCS | | Units | | | | | | Date Analyzed |
|---------------------|------|---------------|------|--------|-------|-------------|------|-----------|------------|---------------|
| SampID: LCS-R338382 | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | |
| pH (1:1) | | 1.00 | | 6.97 | 7.000 | 0 | 99.6 | 99.29 | 100.7 | 10/27/2023 |

| Batch R338382 | | SampType: DUP | | Units | | RPD Limit 10 | | | | Date Analyzed |
|--------------------------|------|---------------|------|--------|-------|--------------|------|-------------|------|---------------|
| SampID: 23102157-001BDUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| pH (1:1) | | 1.00 | | 7.09 | | | | 7.130 | 0.56 | 10/27/2023 |

| Batch R338382 | | SampType: DUP | | Units | | RPD Limit 10 | | | | Date Analyzed |
|--------------------------|------|---------------|------|--------|-------|--------------|------|-------------|------|---------------|
| SampID: 23102157-002BDUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| pH (1:1) | | 1.00 | | 6.77 | | | | 6.830 | 0.88 | 10/27/2023 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 9045C

| Batch R338382 | | SampType: DUP | | Units | | RPD Limit 10 | | | | Date Analyzed |
|--------------------------|------|---------------|------|--------|-------|--------------|------|-------------|------|---------------|
| SampID: 23102157-003BDUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| pH (1:1) | | 1.00 | | 7.41 | | | | 7.340 | 0.95 | 10/27/2023 |

| Batch R338382 | | SampType: DUP | | Units | | RPD Limit 10 | | | | Date Analyzed |
|--------------------------|------|---------------|------|--------|-------|--------------|------|-------------|------|---------------|
| SampID: 23101757-001ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| pH (1:1) | | 1.00 | | 9.20 | | | | 8.830 | 4.10 | 10/27/2023 |

| Batch R338382 | | SampType: DUP | | Units | | RPD Limit 10 | | | | Date Analyzed |
|--------------------------|------|---------------|------|--------|-------|--------------|------|-------------|------|---------------|
| SampID: 23101757-002ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| pH (1:1) | | 1.00 | | 9.24 | | | | 9.280 | 0.43 | 10/27/2023 |

| Batch R338382 | | SampType: DUP | | Units | | RPD Limit 10 | | | | Date Analyzed |
|--------------------------|------|---------------|------|--------|-------|--------------|------|-------------|------|---------------|
| SampID: 23101870-001ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| pH (1:1) | | 1.00 | | 9.50 | | | | 9.810 | 3.21 | 10/27/2023 |

| Batch R338382 | | SampType: DUP | | Units | | RPD Limit 10 | | | | Date Analyzed |
|--------------------------|------|---------------|------|--------|-------|--------------|------|-------------|------|---------------|
| SampID: 23101870-002ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| pH (1:1) | | 1.00 | | 9.09 | | | | 9.270 | 1.96 | 10/27/2023 |

| Batch R338382 | | SampType: DUP | | Units | | RPD Limit 10 | | | | Date Analyzed |
|--------------------------|------|---------------|------|--------|-------|--------------|------|-------------|------|---------------|
| SampID: 23101870-003ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| pH (1:1) | | 1.00 | | 9.32 | | | | 9.350 | 0.32 | 10/27/2023 |

| Batch R338382 | | SampType: DUP | | Units | | RPD Limit 10 | | | | Date Analyzed |
|--------------------------|------|---------------|------|--------|-------|--------------|------|-------------|------|---------------|
| SampID: 23101877-001BDUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| pH (1:1) | | 1.00 | | 7.90 | | | | 7.790 | 1.40 | 10/27/2023 |

| Batch R338382 | | SampType: DUP | | Units | | RPD Limit 10 | | | | Date Analyzed |
|--------------------------|------|---------------|------|--------|-------|--------------|------|-------------|------|---------------|
| SampID: 23101909-001ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| pH (1:1) | | 1.00 | | 7.21 | | | | 7.220 | 0.14 | 10/27/2023 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 9045C

| Batch R338382 | | SampType: DUP | | Units | | | RPD Limit 10 | | | Date Analyzed |
|--------------------------|------|---------------|------|-------------|-------|-------------|--------------|-------------|------|---------------|
| SampID: 23101913-001ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed |
| pH (1:1) | | 1.00 | | 7.83 | | | | 7.820 | 0.13 | 10/27/2023 |

| Batch R338382 | | SampType: DUP | | Units | | | RPD Limit 10 | | | Date Analyzed |
|--------------------------|------|---------------|------|-------------|-------|-------------|--------------|-------------|------|---------------|
| SampID: 23101916-001ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed |
| pH (1:1) | | 1.00 | | 8.47 | | | | 8.430 | 0.47 | 10/27/2023 |

| Batch R338382 | | SampType: DUP | | Units | | | RPD Limit 10 | | | Date Analyzed |
|--------------------------|------|---------------|------|-------------|-------|-------------|--------------|-------------|------|---------------|
| SampID: 23102033-001ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed |
| pH (1:1) | | 1.00 | | 8.58 | | | | 8.720 | 1.62 | 10/27/2023 |

| Batch R338382 | | SampType: DUP | | Units | | | RPD Limit 10 | | | Date Analyzed |
|--------------------------|------|---------------|------|-------------|-------|-------------|--------------|-------------|------|---------------|
| SampID: 23102033-002ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed |
| pH (1:1) | | 1.00 | | 7.71 | | | | 7.570 | 1.83 | 10/27/2023 |

| Batch R338382 | | SampType: DUP | | Units | | | RPD Limit 10 | | | Date Analyzed |
|--------------------------|------|---------------|------|-------------|-------|-------------|--------------|-------------|------|---------------|
| SampID: 23102033-003ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed |
| pH (1:1) | | 1.00 | | 8.28 | | | | 8.250 | 0.36 | 10/27/2023 |

| Batch R338382 | | SampType: DUP | | Units | | | RPD Limit 10 | | | Date Analyzed |
|--------------------------|------|---------------|------|-------------|-------|-------------|--------------|-------------|------|---------------|
| SampID: 23102033-004ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed |
| pH (1:1) | | 1.00 | | 7.54 | | | | 7.650 | 1.45 | 10/27/2023 |

| Batch R338382 | | SampType: DUP | | Units | | | RPD Limit 10 | | | Date Analyzed |
|--------------------------|------|---------------|------|-------------|-------|-------------|--------------|-------------|------|---------------|
| SampID: 23102033-005ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed |
| pH (1:1) | | 1.00 | | 8.62 | | | | 8.590 | 0.35 | 10/27/2023 |

| Batch R338382 | | SampType: DUP | | Units | | | RPD Limit 10 | | | Date Analyzed |
|--------------------------|------|---------------|------|-------------|-------|-------------|--------------|-------------|------|---------------|
| SampID: 23102033-006ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed |
| pH (1:1) | | 1.00 | | 7.79 | | | | 7.980 | 2.41 | 10/27/2023 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 9045C

| Batch R338382 | | SampType: DUP | | Units | | RPD Limit 10 | | | | Date Analyzed |
|--------------------------|------|---------------|------|-------------|-------|--------------|------|-------------|------|---------------|
| SampID: 23102033-007ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| pH (1:1) | | 1.00 | | 8.64 | | | | 8.630 | 0.12 | 10/27/2023 |

| Batch R338382 | | SampType: DUP | | Units | | RPD Limit 10 | | | | Date Analyzed |
|--------------------------|------|---------------|------|-------------|-------|--------------|------|-------------|------|---------------|
| SampID: 23102156-001ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| pH (1:1) | | 1.00 | | 6.43 | | | | 6.160 | 4.29 | 10/27/2023 |

SW-846 9095

| Batch R338508 | | SampType: DUP | | Units Pass/Fail | | RPD Limit 0 | | | | Date Analyzed |
|--------------------------|------|---------------|------|-----------------|-------|-------------|------|-------------|------|---------------|
| SampID: 23102157-001BDUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| Paint Filter | | 0 | | Pass | | | | 0 | 0.00 | 10/31/2023 |

| Batch R338508 | | SampType: DUP | | Units Pass/Fail | | RPD Limit 0 | | | | Date Analyzed |
|--------------------------|------|---------------|------|-----------------|-------|-------------|------|-------------|------|---------------|
| SampID: 23102157-002BDUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| Paint Filter | | 0 | | Pass | | | | 0 | 0.00 | 10/31/2023 |

| Batch R338508 | | SampType: DUP | | Units Pass/Fail | | RPD Limit 0 | | | | Date Analyzed |
|--------------------------|------|---------------|------|-----------------|-------|-------------|------|-------------|------|---------------|
| SampID: 23102157-003BDUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| Paint Filter | | 0 | | Pass | | | | 0 | 0.00 | 10/31/2023 |

| Batch R338508 | | SampType: DUP | | Units Pass/Fail | | RPD Limit 0 | | | | Date Analyzed |
|--------------------------|------|---------------|------|-----------------|-------|-------------|------|-------------|------|---------------|
| SampID: 23101909-001ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| Paint Filter | | 0 | | Pass | | | | 0 | 0.00 | 10/31/2023 |

| Batch R338508 | | SampType: DUP | | Units Pass/Fail | | RPD Limit 0 | | | | Date Analyzed |
|--------------------------|------|---------------|------|-----------------|-------|-------------|------|-------------|------|---------------|
| SampID: 23101913-001ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | |
| Paint Filter | | 0 | | Pass | | | | 0 | 0.00 | 10/31/2023 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 9095

| Batch R338508 | SampType: DUP | Units Pass/Fail | | | | RPD Limit 0 | | | | Date Analyzed |
|--------------------------|---------------|-----------------|------|-------------|-------|-------------|------|-------------|------|---------------|
| SampID: 23101916-001ADUP | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed |
| Paint Filter | | 0 | | Fail | | | | 0 | 0.00 | 10/31/2023 |

SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP

| Batch 213922 | SampType: MBLK | Units mg/L | | | | | | | | Date Analyzed |
|---------------------|----------------|------------|------|-----------------|--------|-------------|------|-----------|------------|---------------|
| SampID: MBLK-213922 | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| Arsenic | | 0.250 | | < 0.250 | 0.0870 | 0 | 0 | -100 | 100 | 10/30/2023 |
| Barium | | 0.450 | | < 0.450 | 0.1500 | 0 | 0 | -100 | 100 | 10/30/2023 |
| Cadmium | | 0.0200 | | < 0.0200 | 0.0050 | 0 | 0 | -100 | 100 | 10/30/2023 |
| Chromium | | 0.100 | | < 0.100 | 0.0340 | 0 | 0 | -100 | 100 | 10/30/2023 |
| Lead | | 0.400 | | < 0.400 | 0.0400 | 0 | 0 | -100 | 100 | 10/30/2023 |
| Selenium | | 0.500 | | < 0.500 | 0.1700 | 0 | 0 | -100 | 100 | 10/30/2023 |
| Silver | | 0.0700 | | < 0.0700 | 0.0270 | 0 | 0 | -100 | 100 | 10/30/2023 |

Batch 213922 SampType: LCS Units mg/L

| SampID: LCS-213922 | | | | | | | | | | |
|--------------------|------|--------|------|--------------|--------|-------------|-------|-----------|------------|---------------|
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| Arsenic | | 0.250 | | 5.65 | 5.000 | 0 | 113.0 | 85 | 115 | 10/30/2023 |
| Barium | | 0.450 | | 21.5 | 20.00 | 0 | 107.5 | 85 | 115 | 10/30/2023 |
| Cadmium | | 0.0200 | | 0.534 | 0.5000 | 0 | 106.8 | 85 | 115 | 10/30/2023 |
| Chromium | | 0.100 | | 2.18 | 2.000 | 0 | 109.0 | 85 | 115 | 10/30/2023 |
| Lead | | 0.400 | | 5.40 | 5.000 | 0 | 107.9 | 85 | 115 | 10/30/2023 |
| Selenium | | 0.500 | | 5.22 | 5.000 | 0 | 104.4 | 85 | 115 | 10/30/2023 |
| Silver | | 0.0700 | | 0.559 | 0.5000 | 0 | 111.8 | 85 | 115 | 10/30/2023 |

Batch 213922 SampType: MS Units mg/L

| SampID: 23101909-001AMS | | | | | | | | | | |
|-------------------------|------|--------|------|--------------|--------|-------------|-------|-----------|------------|---------------|
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| Arsenic | | 0.250 | | 5.59 | 5.000 | 0 | 111.9 | 75 | 125 | 10/31/2023 |
| Barium | | 0.450 | | 22.2 | 20.00 | 0.4930 | 108.5 | 75 | 125 | 10/31/2023 |
| Cadmium | | 0.0200 | | 0.549 | 0.5000 | 0 | 109.8 | 75 | 125 | 10/31/2023 |
| Chromium | | 0.100 | | 2.15 | 2.000 | 0 | 107.4 | 75 | 125 | 10/31/2023 |
| Lead | | 0.400 | | 5.46 | 5.000 | 0.07800 | 107.6 | 75 | 125 | 10/31/2023 |
| Selenium | | 0.500 | | 5.27 | 5.000 | 0 | 105.3 | 75 | 125 | 10/31/2023 |
| Silver | | 0.0700 | | 0.547 | 0.5000 | 0 | 109.4 | 75 | 125 | 10/31/2023 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP

| Batch 213922 | | SampType: MS | | Units mg/L | | | | | | |
|-------------------------|------|--------------|------|--------------|--------|-------------|-------|-----------|------------|---------------|
| SampID: 23101911-002AMS | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| Arsenic | | 0.250 | | 5.52 | 5.000 | 0 | 110.5 | 75 | 125 | 10/31/2023 |
| Barium | | 0.450 | | 21.9 | 20.00 | 0.6790 | 106.1 | 75 | 125 | 10/31/2023 |
| Cadmium | | 0.0200 | | 0.541 | 0.5000 | 0 | 108.2 | 75 | 125 | 10/31/2023 |
| Chromium | | 0.100 | | 2.13 | 2.000 | 0 | 106.4 | 75 | 125 | 10/31/2023 |
| Lead | | 0.400 | | 5.25 | 5.000 | 0 | 105.0 | 75 | 125 | 10/31/2023 |
| Selenium | | 0.500 | | 5.18 | 5.000 | 0 | 103.7 | 75 | 125 | 10/31/2023 |
| Silver | | 0.0700 | | 0.548 | 0.5000 | 0 | 109.6 | 75 | 125 | 10/31/2023 |

| Batch 213922 | | SampType: MS | | Units mg/L | | | | | | |
|-------------------------|------|--------------|------|--------------|--------|-------------|-------|-----------|------------|---------------|
| SampID: 23101913-001AMS | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| Arsenic | | 0.250 | | 5.48 | 5.000 | 0 | 109.5 | 75 | 125 | 10/31/2023 |
| Barium | | 0.450 | | 21.9 | 20.00 | 0.7580 | 105.7 | 75 | 125 | 10/31/2023 |
| Cadmium | | 0.0200 | | 0.546 | 0.5000 | 0 | 109.2 | 75 | 125 | 10/31/2023 |
| Chromium | | 0.100 | | 2.12 | 2.000 | 0 | 105.8 | 75 | 125 | 10/31/2023 |
| Lead | | 0.400 | | 5.26 | 5.000 | 0 | 105.2 | 75 | 125 | 10/31/2023 |
| Selenium | | 0.500 | | 5.14 | 5.000 | 0 | 102.8 | 75 | 125 | 10/31/2023 |
| Silver | | 0.0700 | | 0.543 | 0.5000 | 0 | 108.6 | 75 | 125 | 10/31/2023 |

| Batch 213922 | | SampType: MS | | Units mg/L | | | | | | |
|-------------------------|------|--------------|------|--------------|--------|-------------|-------|-----------|------------|---------------|
| SampID: 23101916-001AMS | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| Arsenic | | 0.250 | | 5.54 | 5.000 | 0 | 110.8 | 75 | 125 | 10/31/2023 |
| Barium | | 0.450 | | 21.6 | 20.00 | 0 | 108.0 | 75 | 125 | 10/31/2023 |
| Cadmium | | 0.0200 | | 0.556 | 0.5000 | 0 | 111.2 | 75 | 125 | 10/31/2023 |
| Chromium | | 0.100 | | 2.15 | 2.000 | 0 | 107.7 | 75 | 125 | 10/31/2023 |
| Lead | | 0.400 | | 5.33 | 5.000 | 0 | 106.6 | 75 | 125 | 10/31/2023 |
| Selenium | | 0.500 | | 5.25 | 5.000 | 0 | 105.0 | 75 | 125 | 10/31/2023 |
| Silver | | 0.0700 | | 0.552 | 0.5000 | 0 | 110.4 | 75 | 125 | 10/31/2023 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP

| Batch 213922 | | SampType: MS | | Units mg/L | | | | | | | Date Analyzed |
|-------------------------|------|--------------|------|--------------|--------|-------------|-------|-----------|------------|---------------|---------------|
| SampID: 23102033-008AMS | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed | |
| Arsenic | | 0.250 | | 5.41 | 5.000 | 0 | 108.2 | 75 | 125 | 10/31/2023 | |
| Barium | | 0.450 | | 21.7 | 20.00 | 0.5750 | 105.6 | 75 | 125 | 10/31/2023 | |
| Cadmium | | 0.0200 | | 0.552 | 0.5000 | 0 | 110.4 | 75 | 125 | 10/31/2023 | |
| Chromium | | 0.100 | | 2.11 | 2.000 | 0 | 105.5 | 75 | 125 | 10/31/2023 | |
| Lead | | 0.400 | | 5.28 | 5.000 | 0 | 105.5 | 75 | 125 | 10/31/2023 | |
| Selenium | | 0.500 | | 5.21 | 5.000 | 0 | 104.2 | 75 | 125 | 10/31/2023 | |
| Silver | | 0.0700 | | 0.555 | 0.5000 | 0 | 111.0 | 75 | 125 | 10/31/2023 | |

| Batch 213922 | | SampType: MSD | | Units mg/L | | | | | | | RPD Limit 20 | Date Analyzed |
|--------------------------|------|---------------|------|--------------|--------|-------------|-------|-------------|------|---------------|--------------|---------------|
| SampID: 23102033-008AMSD | | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed | | |
| Arsenic | | 0.250 | | 5.53 | 5.000 | 0 | 110.6 | 5.410 | 2.21 | 10/31/2023 | | |
| Barium | | 0.450 | | 22.2 | 20.00 | 0.5750 | 108.1 | 21.70 | 2.28 | 10/31/2023 | | |
| Cadmium | | 0.0200 | | 0.560 | 0.5000 | 0 | 112.0 | 0.5520 | 1.44 | 10/31/2023 | | |
| Chromium | | 0.100 | | 2.15 | 2.000 | 0 | 107.4 | 2.110 | 1.78 | 10/31/2023 | | |
| Lead | | 0.400 | | 5.34 | 5.000 | 0 | 106.9 | 5.275 | 1.32 | 10/31/2023 | | |
| Selenium | | 0.500 | | 5.29 | 5.000 | 0 | 105.9 | 5.211 | 1.56 | 10/31/2023 | | |
| Silver | | 0.0700 | | 0.565 | 0.5000 | 0 | 113.0 | 0.5550 | 1.79 | 10/31/2023 | | |

| Batch 213922 | | SampType: MS | | Units mg/L | | | | | | | Date Analyzed |
|-------------------------|------|--------------|------|--------------|--------|-------------|-------|-----------|------------|---------------|---------------|
| SampID: 23102157-003AMS | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed | |
| Arsenic | | 0.250 | | 5.57 | 5.000 | 0 | 111.4 | 75 | 125 | 10/31/2023 | |
| Barium | | 0.450 | | 23.0 | 20.00 | 1.590 | 107.0 | 75 | 125 | 10/31/2023 | |
| Cadmium | | 0.0200 | | 0.553 | 0.5000 | 0 | 110.6 | 75 | 125 | 10/31/2023 | |
| Chromium | | 0.100 | | 2.14 | 2.000 | 0 | 107.2 | 75 | 125 | 10/31/2023 | |
| Lead | | 0.400 | | 5.38 | 5.000 | 0 | 107.6 | 75 | 125 | 10/31/2023 | |
| Selenium | | 0.500 | | 5.22 | 5.000 | 0 | 104.3 | 75 | 125 | 10/31/2023 | |
| Silver | | 0.0700 | | 0.546 | 0.5000 | 0 | 109.2 | 75 | 125 | 10/31/2023 | |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP

| Batch 213922 | | SampType: MS | | Units mg/L | | | | | | |
|-------------------------|------|--------------|------|--------------|--------|-------------|-------|-----------|------------|---------------|
| SampID: 23102211-001AMS | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| Arsenic | | 0.250 | | 5.69 | 5.000 | 0 | 113.8 | 75 | 125 | 10/31/2023 |
| Barium | | 0.450 | | 26.0 | 20.00 | 4.083 | 109.6 | 75 | 125 | 10/31/2023 |
| Cadmium | | 0.0200 | | 0.577 | 0.5000 | 0 | 115.4 | 75 | 125 | 10/31/2023 |
| Chromium | | 0.100 | | 2.18 | 2.000 | 0 | 108.8 | 75 | 125 | 10/31/2023 |
| Lead | | 0.400 | | 5.46 | 5.000 | 0 | 109.1 | 75 | 125 | 10/31/2023 |
| Selenium | | 0.500 | | 5.32 | 5.000 | 0 | 106.4 | 75 | 125 | 10/31/2023 |
| Silver | | 0.0700 | | 0.557 | 0.5000 | 0 | 111.4 | 75 | 125 | 10/31/2023 |

| Batch 213922 | | SampType: MSD | | Units mg/L | | | | | | | RPD Limit 20 |
|--------------------------|------|---------------|------|--------------|--------|-------------|-------|-------------|------|---------------|--------------|
| SampID: 23102211-001AMSD | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed | |
| Arsenic | | 0.250 | | 5.71 | 5.000 | 0 | 114.2 | 5.689 | 0.33 | 10/31/2023 | |
| Barium | | 0.450 | | 25.6 | 20.00 | 4.083 | 107.6 | 26.00 | 1.55 | 10/31/2023 | |
| Cadmium | | 0.0200 | | 0.577 | 0.5000 | 0 | 115.4 | 0.5770 | 0.00 | 10/31/2023 | |
| Chromium | | 0.100 | | 2.19 | 2.000 | 0 | 109.6 | 2.176 | 0.78 | 10/31/2023 | |
| Lead | | 0.400 | | 5.47 | 5.000 | 0 | 109.4 | 5.457 | 0.27 | 10/31/2023 | |
| Selenium | | 0.500 | | 5.36 | 5.000 | 0 | 107.1 | 5.321 | 0.67 | 10/31/2023 | |
| Silver | | 0.0700 | | 0.565 | 0.5000 | 0 | 113.0 | 0.5570 | 1.43 | 10/31/2023 | |

| Batch 213922 | | SampType: MS | | Units mg/L | | | | | | |
|-------------------------|------|--------------|------|--------------|--------|-------------|-------|-----------|------------|---------------|
| SampID: 23102250-001AMS | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| Arsenic | | 0.250 | | 5.76 | 5.000 | 0 | 115.2 | 75 | 125 | 10/30/2023 |
| Barium | | 0.450 | | 21.9 | 20.00 | 0.1970 | 108.5 | 75 | 125 | 10/30/2023 |
| Cadmium | | 0.0200 | | 0.550 | 0.5000 | 0 | 110.0 | 75 | 125 | 10/30/2023 |
| Chromium | | 0.100 | | 2.30 | 2.000 | 0.06100 | 111.8 | 75 | 125 | 10/30/2023 |
| Lead | | 0.400 | | 5.52 | 5.000 | 0 | 110.4 | 75 | 125 | 10/30/2023 |
| Selenium | | 0.500 | | 5.38 | 5.000 | 0 | 107.7 | 75 | 125 | 10/30/2023 |
| Silver | | 0.0700 | | 0.572 | 0.5000 | 0 | 114.4 | 75 | 125 | 10/30/2023 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP

| Batch 213922 | | SampType: MSD | | Units mg/L | | | | RPD Limit 20 | | | |
|--------------------------|------|---------------|------|--------------|--------|-------------|-------|--------------|------|---------------|--|
| SampID: 23102250-001AMSD | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed | |
| Arsenic | | 0.250 | | 5.88 | 5.000 | 0 | 117.5 | 5.762 | 1.96 | 10/30/2023 | |
| Barium | | 0.450 | | 22.1 | 20.00 | 0.1970 | 109.5 | 21.90 | 0.91 | 10/30/2023 | |
| Cadmium | | 0.0200 | | 0.550 | 0.5000 | 0 | 110.0 | 0.5500 | 0.00 | 10/30/2023 | |
| Chromium | | 0.100 | | 2.34 | 2.000 | 0.06100 | 113.8 | 2.297 | 1.73 | 10/30/2023 | |
| Lead | | 0.400 | | 5.62 | 5.000 | 0 | 112.4 | 5.519 | 1.78 | 10/30/2023 | |
| Selenium | | 0.500 | | 5.32 | 5.000 | 0 | 106.4 | 5.383 | 1.18 | 10/30/2023 | |
| Silver | | 0.0700 | | 0.586 | 0.5000 | 0 | 117.2 | 0.5720 | 2.42 | 10/30/2023 | |

| Batch 213922 | | SampType: MS | | Units mg/L | | | | | | |
|-------------------------|------|--------------|------|--------------|--------|-------------|-------|-----------|------------|---------------|
| SampID: 23102250-002AMS | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| Arsenic | | 0.250 | | 5.67 | 5.000 | 0 | 113.4 | 75 | 125 | 10/30/2023 |
| Barium | | 0.450 | | 20.9 | 20.00 | 0 | 104.5 | 75 | 125 | 10/30/2023 |
| Cadmium | | 0.0200 | | 0.523 | 0.5000 | 0.01200 | 102.2 | 75 | 125 | 10/30/2023 |
| Chromium | | 0.100 | | 2.14 | 2.000 | 0 | 106.8 | 75 | 125 | 10/30/2023 |
| Lead | | 0.400 | | 5.28 | 5.000 | 0 | 105.7 | 75 | 125 | 10/30/2023 |
| Selenium | | 0.500 | | 5.25 | 5.000 | 0 | 104.9 | 75 | 125 | 10/30/2023 |
| Silver | | 0.0700 | | 0.582 | 0.5000 | 0 | 116.4 | 75 | 125 | 10/30/2023 |

SW-846 1311, 7470A IN TCLP EXTRACT

| Batch 213931 | | SampType: MBLK | | Units mg/L | | | | | | |
|---------------------|------|----------------|------|---------------------|--------|-------------|------|-----------|------------|---------------|
| SampID: MBLK-213931 | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| Mercury | | 0.00020 | | < 0.00020 | 0.0001 | 0 | 0 | -100 | 100 | 10/30/2023 |

| Batch 213931 | | SampType: LCS | | Units mg/L | | | | | | |
|--------------------|------|---------------|------|----------------|--------|-------------|-------|-----------|------------|---------------|
| SampID: LCS-213931 | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| Mercury | | 0.00020 | | 0.00569 | 0.0050 | 0 | 113.8 | 85 | 115 | 10/30/2023 |

| Batch 213931 | | SampType: MS | | Units mg/L | | | | | | |
|-------------------------|------|--------------|------|----------------|--------|-------------|-------|-----------|------------|---------------|
| SampID: 23101909-001AMS | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| Mercury | | 0.00020 | | 0.00593 | 0.0050 | 0 | 118.5 | 75 | 125 | 10/31/2023 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 7470A IN TCLP EXTRACT

| Batch 213931 | | SampType: MS | | Units mg/L | | | | | | | Date Analyzed |
|-------------------------|------|--------------|------|----------------|--------|-------------|-------|-----------|------------|------------|---------------|
| SampID: 23101911-002AMS | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | | |
| Mercury | | 0.00020 | | 0.00558 | 0.0050 | 0 | 111.6 | 75 | 125 | 10/31/2023 | |

| Batch 213931 | | SampType: MS | | Units mg/L | | | | | | | Date Analyzed |
|-------------------------|------|--------------|------|----------------|--------|-------------|-------|-----------|------------|------------|---------------|
| SampID: 23101913-001AMS | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | | |
| Mercury | | 0.00020 | | 0.00569 | 0.0050 | 0 | 113.8 | 75 | 125 | 10/31/2023 | |

| Batch 213931 | | SampType: MS | | Units mg/L | | | | | | | Date Analyzed |
|-------------------------|------|--------------|------|----------------|--------|-------------|-------|-----------|------------|------------|---------------|
| SampID: 23101916-001AMS | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | | |
| Mercury | | 0.00020 | | 0.00586 | 0.0050 | 0 | 117.2 | 75 | 125 | 10/31/2023 | |

| Batch 213931 | | SampType: MS | | Units mg/L | | | | | | | Date Analyzed |
|-------------------------|------|--------------|------|----------------|--------|-------------|-------|-----------|------------|------------|---------------|
| SampID: 23102033-008AMS | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | | |
| Mercury | | 0.00020 | | 0.00560 | 0.0050 | 0.00006170 | 110.8 | 75 | 125 | 10/31/2023 | |

| Batch 213931 | | SampType: MS | | Units mg/L | | | | | | | Date Analyzed |
|-------------------------|------|--------------|------|----------------|--------|-------------|-------|-----------|------------|------------|---------------|
| SampID: 23102157-003AMS | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | | |
| Mercury | | 0.00020 | | 0.00544 | 0.0050 | 0 | 108.9 | 75 | 125 | 10/31/2023 | |

| Batch 213931 | | SampType: MS | | Units mg/L | | | | | | | Date Analyzed |
|-------------------------|------|--------------|------|----------------|--------|-------------|-------|-----------|------------|------------|---------------|
| SampID: 23102211-001AMS | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | | |
| Mercury | | 0.00020 | | 0.00563 | 0.0050 | 0 | 112.6 | 75 | 125 | 10/31/2023 | |

| Batch 213931 | | SampType: MSD | | Units mg/L | | RPD Limit 15 | | | | | Date Analyzed |
|--------------------------|------|---------------|------|----------------|--------|--------------|-------|-------------|------|------------|---------------|
| SampID: 23102211-001AMSD | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | | |
| Mercury | | 0.00020 | | 0.00561 | 0.0050 | 0 | 112.2 | 0.005632 | 0.36 | 10/31/2023 | |

| Batch 213931 | | SampType: MS | | Units mg/L | | | | | | | Date Analyzed |
|-------------------------|------|--------------|------|----------------|--------|-------------|-------|-----------|------------|------------|---------------|
| SampID: 23102250-001AMS | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | | |
| Mercury | | 0.00020 | H | 0.00572 | 0.0050 | 0 | 114.3 | 75 | 125 | 10/30/2023 | |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 7470A IN TCLP EXTRACT

| Batch 213931 | | SampType: MSD | | Units mg/L | | | | RPD Limit 15 | | | |
|--------------------------|------|---------------|------|----------------|--------|-------------|-------|--------------|------|---------------|--|
| SampID: 23102250-001AMSD | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed | |
| Mercury | | 0.00020 | H | 0.00556 | 0.0050 | 0 | 111.3 | 0.005717 | 2.70 | 10/30/2023 | |

| Batch 213931 | | SampType: MS | | Units mg/L | | | | | | Date Analyzed | |
|-------------------------|------|--------------|------|----------------|--------|-------------|-------|-----------|------------|---------------|--|
| SampID: 23102250-002AMS | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed | |
| Mercury | | 0.00020 | | 0.00644 | 0.0050 | 0.0007446 | 113.9 | 75 | 125 | 10/30/2023 | |

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 214003 SampType: MBLK Units mg/L

SampID: MBLK-214003

| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|----------------------------|------|-------|------|--------|--------|-------------|------|-----------|------------|---------------|
| 1,4-Dichlorobenzene | | 0.010 | | ND | | | | | | 11/01/2023 |
| 2,4,5-Trichlorophenol | | 0.010 | | ND | | | | | | 11/01/2023 |
| 2,4,6-Trichlorophenol | | 0.008 | | ND | | | | | | 11/01/2023 |
| 2,4,6-Trichlorophenol | | 0.010 | | ND | | | | | | 11/01/2023 |
| 2,4-Dinitrotoluene | | 0.017 | | ND | | | | | | 11/01/2023 |
| 2,4-Dinitrotoluene | | 0.010 | | ND | | | | | | 11/01/2023 |
| Hexachlorobenzene | | 0.006 | | ND | | | | | | 11/01/2023 |
| Hexachlorobenzene | | 0.010 | | ND | | | | | | 11/01/2023 |
| Hexachlorobutadiene | | 0.003 | | ND | | | | | | 11/01/2023 |
| Hexachlorobutadiene | | 0.010 | | ND | | | | | | 11/01/2023 |
| Hexachloroethane | | 0.010 | | ND | | | | | | 11/01/2023 |
| Hexachloroethane | | 0.005 | | ND | | | | | | 11/01/2023 |
| m,p-Cresol | * | 0.010 | | ND | | | | | | 11/01/2023 |
| m,p-Cresol | | 0.010 | | ND | | | | | | 11/01/2023 |
| Nitrobenzene | | 0.006 | | ND | | | | | | 11/01/2023 |
| Nitrobenzene | | 0.010 | | ND | | | | | | 11/01/2023 |
| o-Cresol | | 0.010 | | ND | | | | | | 11/01/2023 |
| Pentachlorophenol | | 0.011 | | ND | | | | | | 11/01/2023 |
| Pentachlorophenol | | 0.020 | | ND | | | | | | 11/01/2023 |
| Pyridine | | 0.020 | | ND | | | | | | 11/01/2023 |
| Pyridine | | 0.020 | | ND | | | | | | 11/01/2023 |
| Surr: 2,4,6-Tribromophenol | * | | | 0.049 | 0.0500 | | 98.1 | 53.5 | 126 | 11/01/2023 |
| Surr: 2,4,6-Tribromophenol | * | | | 0.049 | 0.0500 | | 98.1 | 57.9 | 123 | 11/01/2023 |
| Surr: 2-Fluorobiphenyl | * | | | 0.020 | 0.0250 | | 78.5 | 49.4 | 110 | 11/01/2023 |
| Surr: 2-Fluorobiphenyl | * | | | 0.020 | 0.0250 | | 78.5 | 50.5 | 105 | 11/01/2023 |
| Surr: 2-Fluorophenol | * | | | 0.031 | 0.0500 | | 61.4 | 39.8 | 98.1 | 11/01/2023 |
| Surr: 2-Fluorophenol | * | | | 0.031 | 0.0500 | | 61.4 | 42.9 | 88.3 | 11/01/2023 |
| Surr: Nitrobenzene-d5 | * | | | 0.022 | 0.0250 | | 88.2 | 15 | 314 | 11/01/2023 |
| Surr: Nitrobenzene-d5 | * | | | 0.022 | 0.0250 | | 88.2 | 45 | 107 | 11/01/2023 |
| Surr: Phenol-d5 | * | | | 0.025 | 0.0500 | | 49.0 | 8 | 424 | 11/01/2023 |
| Surr: Phenol-d5 | * | | | 0.025 | 0.0500 | | 49.0 | 31.7 | 66.2 | 11/01/2023 |
| Surr: p-Terphenyl-d14 | * | | | 0.023 | 0.0250 | | 91.3 | 10.5 | 141 | 11/01/2023 |
| Surr: p-Terphenyl-d14 | * | | | 0.023 | 0.0250 | | 91.3 | 43.8 | 108 | 11/01/2023 |

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

| Batch 214003 | | SampType: LCS | | Units mg/L | | | | | | | |
|----------------------------|------|---------------|------|--------------|--------|-------------|------|-----------|------------|------------|---------------|
| SampID: LCS-214003 | | | | | | | | | | | Date Analyzed |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | | |
| 1,4-Dichlorobenzene | | 0.010 | | 0.036 | 0.0500 | 0 | 71.1 | 54.3 | 90.9 | 11/01/2023 | |
| 2,4,5-Trichlorophenol | | 0.010 | | 0.045 | 0.0500 | 0 | 90.8 | 62.1 | 107 | 11/01/2023 | |
| 2,4,6-Trichlorophenol | | 0.008 | | 0.044 | 0.0500 | 0 | 88.6 | 52 | 129 | 11/01/2023 | |
| 2,4,6-Trichlorophenol | | 0.010 | | 0.044 | 0.0500 | 0 | 88.6 | 51.9 | 111 | 11/01/2023 | |
| 2,4-Dinitrotoluene | | 0.017 | | 0.048 | 0.0500 | 0 | 95.4 | 48 | 127 | 11/01/2023 | |
| 2,4-Dinitrotoluene | | 0.010 | | 0.048 | 0.0500 | 0 | 95.4 | 63.6 | 108 | 11/01/2023 | |
| Hexachlorobenzene | | 0.010 | | 0.047 | 0.0500 | 0 | 94.5 | 61.3 | 113 | 11/01/2023 | |
| Hexachlorobenzene | | 0.006 | | 0.047 | 0.0500 | 0 | 94.5 | 8 | 142 | 11/01/2023 | |
| Hexachlorobutadiene | | 0.003 | | 0.042 | 0.0500 | 0 | 84.8 | 38 | 120 | 11/01/2023 | |
| Hexachlorobutadiene | | 0.010 | | 0.042 | 0.0500 | 0 | 84.8 | 58.1 | 98.7 | 11/01/2023 | |
| Hexachloroethane | | 0.005 | | 0.043 | 0.0500 | 0 | 86.0 | 55 | 120 | 11/01/2023 | |
| Hexachloroethane | | 0.010 | | 0.043 | 0.0500 | 0 | 86.0 | 52.5 | 94.2 | 11/01/2023 | |
| m,p-Cresol | | 0.010 | | 0.039 | 0.0500 | 0 | 78.2 | 54.6 | 93 | 11/01/2023 | |
| m,p-Cresol | * | 0.010 | | 0.039 | 0.0500 | 0 | 78.2 | 50.2 | 95.9 | 11/01/2023 | |
| Nitrobenzene | | 0.010 | | 0.044 | 0.0500 | 0 | 87.5 | 61.2 | 102 | 11/01/2023 | |
| Nitrobenzene | | 0.006 | | 0.044 | 0.0500 | 0 | 87.5 | 54 | 158 | 11/01/2023 | |
| o-Cresol | | 0.010 | | 0.041 | 0.0500 | 0 | 82.1 | 58.6 | 103 | 11/01/2023 | |
| Pentachlorophenol | | 0.011 | | 0.039 | 0.0500 | 0 | 77.8 | 38 | 152 | 11/01/2023 | |
| Pentachlorophenol | | 0.020 | | 0.039 | 0.0500 | 0 | 77.8 | 44 | 93.6 | 11/01/2023 | |
| Pyridine | | 0.020 | | 0.035 | 0.0500 | 0 | 70.1 | 19.9 | 83.4 | 11/01/2023 | |
| Pyridine | | 0.020 | | 0.035 | 0.0500 | 0 | 70.1 | 20.2 | 96.4 | 11/01/2023 | |
| Surr: 2,4,6-Tribromophenol | * | | | 0.047 | 0.0500 | | 93.6 | 53.5 | 126 | 11/01/2023 | |
| Surr: 2,4,6-Tribromophenol | * | | | 0.047 | 0.0500 | | 93.6 | 57.9 | 123 | 11/01/2023 | |
| Surr: 2-Fluorobiphenyl | * | | | 0.022 | 0.0250 | | 86.6 | 49.4 | 110 | 11/01/2023 | |
| Surr: 2-Fluorobiphenyl | * | | | 0.022 | 0.0250 | | 86.6 | 50.5 | 105 | 11/01/2023 | |
| Surr: 2-Fluorophenol | * | | | 0.034 | 0.0500 | | 67.1 | 42.9 | 88.3 | 11/01/2023 | |
| Surr: 2-Fluorophenol | * | | | 0.034 | 0.0500 | | 67.1 | 39.8 | 98.1 | 11/01/2023 | |
| Surr: Nitrobenzene-d5 | * | | | 0.024 | 0.0250 | | 96.2 | 45 | 107 | 11/01/2023 | |
| Surr: Nitrobenzene-d5 | * | | | 0.024 | 0.0250 | | 96.2 | 15 | 314 | 11/01/2023 | |
| Surr: Phenol-d5 | * | | | 0.024 | 0.0500 | | 47.3 | 8 | 424 | 11/01/2023 | |
| Surr: Phenol-d5 | * | | | 0.024 | 0.0500 | | 47.3 | 31.7 | 66.2 | 11/01/2023 | |
| Surr: p-Terphenyl-d14 | * | | | 0.023 | 0.0250 | | 91.4 | 10.5 | 141 | 11/01/2023 | |
| Surr: p-Terphenyl-d14 | * | | | 0.023 | 0.0250 | | 91.4 | 43.8 | 108 | 11/01/2023 | |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

| Batch 214003 | | SampType: LCSD | | Units mg/L | | | | RPD Limit 40 | | | Date |
|----------------------------|------|----------------|------|--------------|--------|-------------|-------|--------------|-------|------------|------|
| SampID: LCSD-214003 | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Analyzed | |
| 1,4-Dichlorobenzene | | 0.010 | | 0.038 | 0.0500 | 0 | 75.3 | 0.03554 | 5.74 | 11/01/2023 | |
| 2,4,5-Trichlorophenol | | 0.010 | | 0.050 | 0.0500 | 0 | 100.5 | 0.04540 | 10.18 | 11/01/2023 | |
| 2,4,6-Trichlorophenol | | 0.008 | | 0.049 | 0.0500 | 0 | 97.3 | 0.04431 | 9.36 | 11/01/2023 | |
| 2,4,6-Trichlorophenol | | 0.010 | | 0.049 | 0.0500 | 0 | 97.3 | 0.04431 | 9.36 | 11/01/2023 | |
| 2,4-Dinitrotoluene | | 0.017 | | 0.049 | 0.0500 | 0 | 98.6 | 0.04771 | 3.26 | 11/01/2023 | |
| 2,4-Dinitrotoluene | | 0.010 | | 0.049 | 0.0500 | 0 | 98.6 | 0.04771 | 3.26 | 11/01/2023 | |
| Hexachlorobenzene | | 0.006 | | 0.046 | 0.0500 | 0 | 92.4 | 0.04724 | 2.18 | 11/01/2023 | |
| Hexachlorobenzene | | 0.010 | | 0.046 | 0.0500 | 0 | 92.4 | 0.04724 | 2.18 | 11/01/2023 | |
| Hexachlorobutadiene | | 0.003 | | 0.044 | 0.0500 | 0 | 88.9 | 0.04242 | 4.63 | 11/01/2023 | |
| Hexachlorobutadiene | | 0.010 | | 0.044 | 0.0500 | 0 | 88.9 | 0.04242 | 4.63 | 11/01/2023 | |
| Hexachloroethane | | 0.005 | | 0.045 | 0.0500 | 0 | 89.1 | 0.04298 | 3.56 | 11/01/2023 | |
| Hexachloroethane | | 0.010 | | 0.045 | 0.0500 | 0 | 89.1 | 0.04298 | 3.56 | 11/01/2023 | |
| m,p-Cresol | | 0.010 | | 0.041 | 0.0500 | 0 | 82.9 | 0.03908 | 5.91 | 11/01/2023 | |
| m,p-Cresol | * | 0.010 | | 0.041 | 0.0500 | 0 | 82.9 | 0.03908 | 5.91 | 11/01/2023 | |
| Nitrobenzene | | 0.010 | | 0.046 | 0.0500 | 0 | 91.2 | 0.04377 | 4.10 | 11/01/2023 | |
| Nitrobenzene | | 0.006 | | 0.046 | 0.0500 | 0 | 91.2 | 0.04377 | 4.10 | 11/01/2023 | |
| o-Cresol | | 0.010 | | 0.044 | 0.0500 | 0 | 88.5 | 0.04107 | 7.41 | 11/01/2023 | |
| Pentachlorophenol | | 0.020 | | 0.040 | 0.0500 | 0 | 79.3 | 0.03892 | 1.86 | 11/01/2023 | |
| Pentachlorophenol | | 0.011 | | 0.040 | 0.0500 | 0 | 79.3 | 0.03892 | 1.86 | 11/01/2023 | |
| Pyridine | | 0.020 | | 0.035 | 0.0500 | 0 | 70.5 | 0.03505 | 0.57 | 11/01/2023 | |
| Pyridine | | 0.020 | | 0.035 | 0.0500 | 0 | 70.5 | 0.03505 | 0.57 | 11/01/2023 | |
| Surr: 2,4,6-Tribromophenol | * | | | 0.050 | 0.0500 | | 99.1 | | | 11/01/2023 | |
| Surr: 2,4,6-Tribromophenol | * | | | 0.050 | 0.0500 | | 99.1 | | | 11/01/2023 | |
| Surr: 2-Fluorobiphenyl | * | | | 0.021 | 0.0250 | | 83.7 | | | 11/01/2023 | |
| Surr: 2-Fluorobiphenyl | * | | | 0.021 | 0.0250 | | 83.7 | | | 11/01/2023 | |
| Surr: 2-Fluorophenol | * | | | 0.036 | 0.0500 | | 71.0 | | | 11/01/2023 | |
| Surr: 2-Fluorophenol | * | | | 0.036 | 0.0500 | | 71.0 | | | 11/01/2023 | |
| Surr: Nitrobenzene-d5 | * | | | 0.024 | 0.0250 | | 96.2 | | | 11/01/2023 | |
| Surr: Nitrobenzene-d5 | * | | | 0.024 | 0.0250 | | 96.2 | | | 11/01/2023 | |
| Surr: Phenol-d5 | * | | | 0.026 | 0.0500 | | 52.5 | | | 11/01/2023 | |
| Surr: Phenol-d5 | * | | | 0.026 | 0.0500 | | 52.5 | | | 11/01/2023 | |
| Surr: p-Terphenyl-d14 | * | | | 0.021 | 0.0250 | | 85.8 | | | 11/01/2023 | |
| Surr: p-Terphenyl-d14 | * | | | 0.021 | 0.0250 | | 85.8 | | | 11/01/2023 | |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 214003 **SampType:** MS

Units mg/L

SampID: 23101738-002AMS

| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|----------------------------|------|-------|------|--------------|--------|-------------|------|-----------|------------|---------------|
| 1,4-Dichlorobenzene | * | 0.100 | | 0.317 | 0.5000 | 0 | 63.4 | 30 | 93 | 11/01/2023 |
| 2,4,5-Trichlorophenol | | 0.100 | | 0.441 | 0.5000 | 0 | 88.3 | 41.9 | 114 | 11/01/2023 |
| 2,4,6-Trichlorophenol | | 0.100 | | 0.421 | 0.5000 | 0 | 84.2 | 44 | 111 | 11/01/2023 |
| 2,4-Dinitrotoluene | | 0.100 | | 0.469 | 0.5000 | 0 | 93.9 | 49.9 | 112 | 11/01/2023 |
| Hexachlorobenzene | | 0.100 | | 0.415 | 0.5000 | 0 | 82.9 | 52.2 | 107 | 11/01/2023 |
| Hexachlorobutadiene | | 0.100 | | 0.352 | 0.5000 | 0 | 70.3 | 38.4 | 101 | 11/01/2023 |
| Hexachloroethane | | 0.100 | | 0.338 | 0.5000 | 0 | 67.5 | 31.5 | 95.1 | 11/01/2023 |
| m,p-Cresol | | 0.100 | | 0.385 | 0.5000 | 0 | 77.0 | 36.5 | 95 | 11/01/2023 |
| Nitrobenzene | | 0.100 | | 0.374 | 0.5000 | 0 | 74.7 | 50.1 | 102 | 11/01/2023 |
| o-Cresol | | 0.100 | | 0.407 | 0.5000 | 0 | 81.4 | 40 | 105 | 11/01/2023 |
| Pentachlorophenol | | 0.200 | | 0.366 | 0.5000 | 0 | 73.1 | 25.4 | 91.5 | 11/01/2023 |
| Pyridine | | 0.200 | | 0.325 | 0.5000 | 0 | 65.0 | 15.4 | 88 | 11/01/2023 |
| Cresols, Total | | 0.200 | | 0.792 | 1.000 | 0 | 79.2 | 38.6 | 99.6 | 11/01/2023 |
| Surr: 2,4,6-Tribromophenol | * | | | 0.409 | 0.5000 | | 81.7 | 45.7 | 125 | 11/01/2023 |
| Surr: 2-Fluorobiphenyl | * | | | 0.209 | 0.2500 | | 83.6 | 35.2 | 108 | 11/01/2023 |
| Surr: 2-Fluorophenol | * | | | 0.332 | 0.5000 | | 66.5 | 28.2 | 86.9 | 11/01/2023 |
| Surr: Nitrobenzene-d5 | * | | | 0.198 | 0.2500 | | 79.0 | 37.9 | 108 | 11/01/2023 |
| Surr: Phenol-d5 | * | | | 0.241 | 0.5000 | | 48.2 | 24.3 | 66.8 | 11/01/2023 |
| Surr: p-Terphenyl-d14 | * | | | 0.176 | 0.2500 | | 70.3 | 22.4 | 106 | 11/01/2023 |

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 214003 **SampType:** MS

Units mg/L

SampID: 23101911-002AMS

| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|----------------------------|------|-------|------|--------------|--------|-------------|------|-----------|------------|---------------|
| 1,4-Dichlorobenzene | * | 0.100 | | 0.315 | 0.5000 | 0 | 63.0 | 30 | 93 | 11/01/2023 |
| 2,4,5-Trichlorophenol | | 0.100 | | 0.401 | 0.5000 | 0 | 80.3 | 41.9 | 114 | 11/01/2023 |
| 2,4,6-Trichlorophenol | | 0.100 | | 0.385 | 0.5000 | 0 | 76.9 | 44 | 111 | 11/01/2023 |
| 2,4-Dinitrotoluene | | 0.100 | | 0.452 | 0.5000 | 0 | 90.5 | 49.9 | 112 | 11/01/2023 |
| Hexachlorobenzene | | 0.100 | | 0.386 | 0.5000 | 0 | 77.2 | 52.2 | 107 | 11/01/2023 |
| Hexachlorobutadiene | | 0.100 | | 0.334 | 0.5000 | 0 | 66.7 | 38.4 | 101 | 11/01/2023 |
| Hexachloroethane | | 0.100 | | 0.335 | 0.5000 | 0 | 66.9 | 31.5 | 95.1 | 11/01/2023 |
| m,p-Cresol | | 0.100 | | 0.427 | 0.5000 | 0.03930 | 77.6 | 36.5 | 95 | 11/01/2023 |
| Nitrobenzene | | 0.100 | | 0.365 | 0.5000 | 0 | 73.1 | 50.1 | 102 | 11/01/2023 |
| o-Cresol | | 0.100 | | 0.399 | 0.5000 | 0 | 79.9 | 40 | 105 | 11/01/2023 |
| Pentachlorophenol | | 0.200 | | 0.359 | 0.5000 | 0 | 71.8 | 25.4 | 91.5 | 11/01/2023 |
| Pyridine | | 0.200 | | 0.249 | 0.5000 | 0 | 49.8 | 15.4 | 88 | 11/01/2023 |
| Cresols, Total | | 0.200 | | 0.827 | 1.000 | 0.03930 | 78.7 | 38.6 | 99.6 | 11/01/2023 |
| Surr: 2,4,6-Tribromophenol | * | | | 0.406 | 0.5000 | | 81.1 | 45.7 | 125 | 11/01/2023 |
| Surr: 2-Fluorobiphenyl | * | | | 0.189 | 0.2500 | | 75.8 | 35.2 | 108 | 11/01/2023 |
| Surr: 2-Fluorophenol | * | | | 0.306 | 0.5000 | | 61.2 | 28.2 | 86.9 | 11/01/2023 |
| Surr: Nitrobenzene-d5 | * | | | 0.182 | 0.2500 | | 72.6 | 37.9 | 108 | 11/01/2023 |
| Surr: Phenol-d5 | * | | | 0.243 | 0.5000 | | 48.7 | 24.3 | 66.8 | 11/01/2023 |
| Surr: p-Terphenyl-d14 | * | | | 0.138 | 0.2500 | | 55.2 | 22.4 | 106 | 11/01/2023 |

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 214003 SampType: MS

Units mg/L

SampID: 23101911-003AMS

| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|----------------------------|------|-------|------|--------------|--------|-------------|------|-----------|------------|---------------|
| 1,4-Dichlorobenzene | * | 0.200 | | 0.729 | 1.000 | 0 | 72.9 | 30 | 93 | 11/01/2023 |
| 2,4,5-Trichlorophenol | | 0.200 | | 0.861 | 1.000 | 0 | 86.1 | 41.9 | 114 | 11/01/2023 |
| 2,4,6-Trichlorophenol | | 0.200 | | 0.823 | 1.000 | 0 | 82.3 | 44 | 111 | 11/01/2023 |
| 2,4-Dinitrotoluene | | 0.200 | | 0.983 | 1.000 | 0 | 98.3 | 49.9 | 112 | 11/01/2023 |
| Hexachlorobenzene | | 0.200 | | 0.888 | 1.000 | 0 | 88.8 | 52.2 | 107 | 11/01/2023 |
| Hexachlorobutadiene | | 0.200 | | 0.755 | 1.000 | 0 | 75.5 | 38.4 | 101 | 11/01/2023 |
| Hexachloroethane | | 0.200 | | 0.784 | 1.000 | 0 | 78.4 | 31.5 | 95.1 | 11/01/2023 |
| m,p-Cresol | | 0.200 | | 0.836 | 1.000 | 0 | 83.6 | 36.5 | 95 | 11/01/2023 |
| Nitrobenzene | | 0.200 | | 0.803 | 1.000 | 0 | 80.3 | 50.1 | 102 | 11/01/2023 |
| o-Cresol | | 0.200 | | 0.839 | 1.000 | 0 | 83.9 | 40 | 105 | 11/01/2023 |
| Pentachlorophenol | | 0.400 | | 0.647 | 1.000 | 0 | 64.7 | 25.4 | 91.5 | 11/01/2023 |
| Pyridine | | 0.400 | | 0.505 | 1.000 | 0 | 50.5 | 15.4 | 88 | 11/01/2023 |
| Cresols, Total | | 0.400 | | 1.68 | 2.000 | 0 | 83.8 | 38.6 | 99.6 | 11/01/2023 |
| Surr: 2,4,6-Tribromophenol | * | | | 0.871 | 1.000 | | 87.1 | 45.7 | 125 | 11/01/2023 |
| Surr: 2-Fluorobiphenyl | * | | | 0.420 | 0.5000 | | 83.9 | 35.2 | 108 | 11/01/2023 |
| Surr: 2-Fluorophenol | * | | | 0.688 | 1.000 | | 68.8 | 28.2 | 86.9 | 11/01/2023 |
| Surr: Nitrobenzene-d5 | * | | | 0.409 | 0.5000 | | 81.8 | 37.9 | 108 | 11/01/2023 |
| Surr: Phenol-d5 | * | | | 0.525 | 1.000 | | 52.5 | 24.3 | 66.8 | 11/01/2023 |
| Surr: p-Terphenyl-d14 | * | | | 0.418 | 0.5000 | | 83.6 | 22.4 | 106 | 11/01/2023 |

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS
Batch 214003 **SampType: MS**

Units mg/L

SampID: 23101913-001AMS

| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|----------------------------|------|-------|------|--------------|--------|-------------|-------|-----------|------------|---------------|
| 1,4-Dichlorobenzene | * | 0.100 | | 0.402 | 0.5000 | 0 | 80.5 | 30 | 93 | 11/01/2023 |
| 2,4,5-Trichlorophenol | | 0.100 | | 0.469 | 0.5000 | 0 | 93.9 | 41.9 | 114 | 11/01/2023 |
| 2,4,6-Trichlorophenol | | 0.100 | | 0.439 | 0.5000 | 0 | 87.7 | 44 | 111 | 11/01/2023 |
| 2,4-Dinitrotoluene | | 0.100 | | 0.521 | 0.5000 | 0 | 104.2 | 49.9 | 112 | 11/01/2023 |
| Hexachlorobenzene | | 0.100 | | 0.462 | 0.5000 | 0 | 92.3 | 52.2 | 107 | 11/01/2023 |
| Hexachlorobutadiene | | 0.100 | | 0.425 | 0.5000 | 0 | 85.0 | 38.4 | 101 | 11/01/2023 |
| Hexachloroethane | | 0.100 | | 0.429 | 0.5000 | 0 | 85.8 | 31.5 | 95.1 | 11/01/2023 |
| m,p-Cresol | | 0.100 | | 0.434 | 0.5000 | 0 | 86.7 | 36.5 | 95 | 11/01/2023 |
| Nitrobenzene | | 0.100 | | 0.451 | 0.5000 | 0 | 90.2 | 50.1 | 102 | 11/01/2023 |
| o-Cresol | | 0.100 | | 0.462 | 0.5000 | 0 | 92.4 | 40 | 105 | 11/01/2023 |
| Pentachlorophenol | | 0.200 | | 0.373 | 0.5000 | 0 | 74.6 | 25.4 | 91.5 | 11/01/2023 |
| Pyridine | | 0.200 | S | ND | 0.5000 | 0 | 13.6 | 15.4 | 88 | 11/01/2023 |
| Cresols, Total | | 0.200 | | 0.896 | 1.000 | 0 | 89.6 | 38.6 | 99.6 | 11/01/2023 |
| Surr: 2,4,6-Tribromophenol | * | | | 0.443 | 0.5000 | | 88.6 | 45.7 | 125 | 11/01/2023 |
| Surr: 2-Fluorobiphenyl | * | | | 0.221 | 0.2500 | | 88.5 | 35.2 | 108 | 11/01/2023 |
| Surr: 2-Fluorophenol | * | | | 0.361 | 0.5000 | | 72.1 | 28.2 | 86.9 | 11/01/2023 |
| Surr: Nitrobenzene-d5 | * | | | 0.219 | 0.2500 | | 87.7 | 37.9 | 108 | 11/01/2023 |
| Surr: Phenol-d5 | * | | | 0.269 | 0.5000 | | 53.8 | 24.3 | 66.8 | 11/01/2023 |
| Surr: p-Terphenyl-d14 | * | | | 0.187 | 0.2500 | | 74.9 | 22.4 | 106 | 11/01/2023 |

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 214003 SampType: MS

Units mg/L

SampID: 23101916-001AMS

| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|----------------------------|------|-------|------|--------------|--------|-------------|-------|-----------|------------|---------------|
| 1,4-Dichlorobenzene | * | 0.100 | | 0.366 | 0.5000 | 0 | 73.1 | 30 | 93 | 11/01/2023 |
| 2,4,5-Trichlorophenol | | 0.100 | | 0.494 | 0.5000 | 0 | 98.7 | 41.9 | 114 | 11/01/2023 |
| 2,4,6-Trichlorophenol | | 0.100 | | 0.462 | 0.5000 | 0 | 92.4 | 44 | 111 | 11/01/2023 |
| 2,4-Dinitrotoluene | | 0.100 | | 0.515 | 0.5000 | 0 | 103.0 | 49.9 | 112 | 11/01/2023 |
| Hexachlorobenzene | | 0.100 | | 0.465 | 0.5000 | 0 | 93.0 | 52.2 | 107 | 11/01/2023 |
| Hexachlorobutadiene | | 0.100 | | 0.400 | 0.5000 | 0 | 80.1 | 38.4 | 101 | 11/01/2023 |
| Hexachloroethane | | 0.100 | | 0.389 | 0.5000 | 0 | 77.8 | 31.5 | 95.1 | 11/01/2023 |
| m,p-Cresol | | 0.100 | | 0.425 | 0.5000 | 0 | 85.0 | 36.5 | 95 | 11/01/2023 |
| Nitrobenzene | | 0.100 | | 0.419 | 0.5000 | 0 | 83.7 | 50.1 | 102 | 11/01/2023 |
| o-Cresol | | 0.100 | | 0.444 | 0.5000 | 0 | 88.8 | 40 | 105 | 11/01/2023 |
| Pentachlorophenol | | 0.200 | | 0.413 | 0.5000 | 0 | 82.6 | 25.4 | 91.5 | 11/01/2023 |
| Pyridine | | 0.200 | | 0.294 | 0.5000 | 0 | 58.8 | 15.4 | 88 | 11/01/2023 |
| Cresols, Total | | 0.200 | | 0.869 | 1.000 | 0 | 86.9 | 38.6 | 99.6 | 11/01/2023 |
| Surr: 2,4,6-Tribromophenol | * | | | 0.422 | 0.5000 | | 84.3 | 45.7 | 125 | 11/01/2023 |
| Surr: 2-Fluorobiphenyl | * | | | 0.228 | 0.2500 | | 91.2 | 35.2 | 108 | 11/01/2023 |
| Surr: 2-Fluorophenol | * | | | 0.358 | 0.5000 | | 71.6 | 28.2 | 86.9 | 11/01/2023 |
| Surr: Nitrobenzene-d5 | * | | | 0.205 | 0.2500 | | 82.0 | 37.9 | 108 | 11/01/2023 |
| Surr: Phenol-d5 | * | | | 0.269 | 0.5000 | | 53.8 | 24.3 | 66.8 | 11/01/2023 |
| Surr: p-Terphenyl-d14 | * | | | 0.172 | 0.2500 | | 68.6 | 22.4 | 106 | 11/01/2023 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

| Batch 214003 | | SampType: MS | | Units mg/L | | | | | | |
|----------------------------|------|--------------|------|--------------|--------|-------------|-------|-----------|------------|---------------|
| SampID: 23102157-003AMS | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| 1,4-Dichlorobenzene | * | 0.100 | | 0.366 | 0.5000 | 0 | 73.2 | 30 | 93 | 11/01/2023 |
| 2,4,5-Trichlorophenol | | 0.100 | | 0.449 | 0.5000 | 0 | 89.9 | 41.9 | 114 | 11/01/2023 |
| 2,4,6-Trichlorophenol | | 0.100 | | 0.433 | 0.5000 | 0 | 86.6 | 44 | 111 | 11/01/2023 |
| 2,4-Dinitrotoluene | | 0.100 | | 0.508 | 0.5000 | 0 | 101.7 | 49.9 | 112 | 11/01/2023 |
| Hexachlorobenzene | | 0.100 | | 0.480 | 0.5000 | 0 | 96.1 | 52.2 | 107 | 11/01/2023 |
| Hexachlorobutadiene | | 0.100 | | 0.397 | 0.5000 | 0 | 79.3 | 38.4 | 101 | 11/01/2023 |
| Hexachloroethane | | 0.100 | | 0.393 | 0.5000 | 0 | 78.5 | 31.5 | 95.1 | 11/01/2023 |
| m,p-Cresol | | 0.100 | | 0.359 | 0.5000 | 0 | 71.9 | 36.5 | 95 | 11/01/2023 |
| Nitrobenzene | | 0.100 | | 0.412 | 0.5000 | 0 | 82.4 | 50.1 | 102 | 11/01/2023 |
| o-Cresol | | 0.100 | | 0.393 | 0.5000 | 0 | 78.7 | 40 | 105 | 11/01/2023 |
| Pentachlorophenol | | 0.200 | | 0.396 | 0.5000 | 0 | 79.1 | 25.4 | 91.5 | 11/01/2023 |
| Pyridine | | 0.200 | | ND | 0.5000 | 0 | 39.6 | 15.4 | 88 | 11/01/2023 |
| Cresols, Total | | 0.200 | | 0.753 | 1.000 | 0 | 75.3 | 38.6 | 99.6 | 11/01/2023 |
| Surr: 2,4,6-Tribromophenol | * | | | 0.401 | 0.5000 | | 80.2 | 45.7 | 125 | 11/01/2023 |
| Surr: 2-Fluorobiphenyl | * | | | 0.205 | 0.2500 | | 81.9 | 35.2 | 108 | 11/01/2023 |
| Surr: 2-Fluorophenol | * | | | 0.308 | 0.5000 | | 61.6 | 28.2 | 86.9 | 11/01/2023 |
| Surr: Nitrobenzene-d5 | * | | | 0.200 | 0.2500 | | 80.2 | 37.9 | 108 | 11/01/2023 |
| Surr: Phenol-d5 | * | | | 0.232 | 0.5000 | | 46.4 | 24.3 | 66.8 | 11/01/2023 |
| Surr: p-Terphenyl-d14 | * | | | 0.173 | 0.2500 | | 69.1 | 22.4 | 106 | 11/01/2023 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

| Batch | SampType | MSD | Units mg/L | | | | RPD Limit 40 | | | | Date Analyzed |
|----------------------------|----------|-------|------------|--------------|--------|-------------|--------------|-------------|------|------------|---------------|
| SampID: 23102157-003AMSD | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | | |
| 1,4-Dichlorobenzene | * | 0.100 | | 0.364 | 0.5000 | 0 | 72.8 | 0.3658 | 0.52 | 11/01/2023 | |
| 2,4,5-Trichlorophenol | | 0.100 | | 0.474 | 0.5000 | 0 | 94.8 | 0.4493 | 5.31 | 11/01/2023 | |
| 2,4,6-Trichlorophenol | | 0.100 | | 0.450 | 0.5000 | 0 | 90.1 | 0.4330 | 3.94 | 11/01/2023 | |
| 2,4-Dinitrotoluene | | 0.100 | | 0.514 | 0.5000 | 0 | 102.7 | 0.5084 | 1.04 | 11/01/2023 | |
| Hexachlorobenzene | | 0.100 | | 0.459 | 0.5000 | 0 | 91.7 | 0.4804 | 4.64 | 11/01/2023 | |
| Hexachlorobutadiene | | 0.100 | | 0.389 | 0.5000 | 0 | 77.8 | 0.3966 | 1.91 | 11/01/2023 | |
| Hexachloroethane | | 0.100 | | 0.378 | 0.5000 | 0 | 75.6 | 0.3927 | 3.81 | 11/01/2023 | |
| m,p-Cresol | | 0.100 | | 0.386 | 0.5000 | 0 | 77.2 | 0.3593 | 7.16 | 11/01/2023 | |
| Nitrobenzene | | 0.100 | | 0.410 | 0.5000 | 0 | 82.1 | 0.4120 | 0.36 | 11/01/2023 | |
| o-Cresol | | 0.100 | | 0.425 | 0.5000 | 0 | 85.1 | 0.3933 | 7.84 | 11/01/2023 | |
| Pentachlorophenol | | 0.200 | | 0.405 | 0.5000 | 0 | 81.0 | 0.3956 | 2.40 | 11/01/2023 | |
| Pyridine | | 0.200 | | ND | 0.5000 | 0 | 26.0 | 0.1978 | 0.00 | 11/01/2023 | |
| Cresols, Total | | 0.200 | | 0.811 | 1.000 | 0 | 81.1 | 0.7526 | 7.52 | 11/01/2023 | |
| Surr: 2,4,6-Tribromophenol | * | | | 0.421 | 0.5000 | | 84.3 | | | 11/01/2023 | |
| Surr: 2-Fluorobiphenyl | * | | | 0.224 | 0.2500 | | 89.5 | | | 11/01/2023 | |
| Surr: 2-Fluorophenol | * | | | 0.323 | 0.5000 | | 64.6 | | | 11/01/2023 | |
| Surr: Nitrobenzene-d5 | * | | | 0.202 | 0.2500 | | 80.8 | | | 11/01/2023 | |
| Surr: Phenol-d5 | * | | | 0.233 | 0.5000 | | 46.7 | | | 11/01/2023 | |
| Surr: p-Terphenyl-d14 | * | | | 0.186 | 0.2500 | | 74.3 | | | 11/01/2023 | |

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS

| Batch 213963 | | SampType: MS | | Units mg/L | | | | | | |
|-----------------------------|------|--------------|------|-------------|-------|-------------|-------|-----------|------------|---------------|
| SampID: 23101909-001AMS | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| 1,1-Dichloroethene | | 0.200 | | 4.64 | 5.000 | 0 | 92.8 | 55.7 | 113 | 10/30/2023 |
| 1,2-Dichloroethane | | 0.200 | | 5.57 | 5.000 | 0 | 111.3 | 71.3 | 129 | 10/30/2023 |
| 1,4-Dichlorobenzene | | 0.200 | | 5.52 | 5.000 | 0 | 110.4 | 79.9 | 120 | 10/30/2023 |
| 2-Butanone | | 1.00 | | 11.5 | 10.00 | 0 | 115.5 | 65.6 | 125 | 10/30/2023 |
| Benzene | | 0.050 | | 5.37 | 5.000 | 0 | 107.5 | 73.4 | 121 | 10/30/2023 |
| Carbon tetrachloride | | 0.200 | | 5.34 | 5.000 | 0 | 106.8 | 66.9 | 140 | 10/30/2023 |
| Chlorobenzene | | 0.200 | | 5.29 | 5.000 | 0 | 105.7 | 76.7 | 110 | 10/30/2023 |
| Chloroform | | 0.200 | | 5.38 | 5.000 | 0 | 107.7 | 74.2 | 124 | 10/30/2023 |
| Tetrachloroethene | | 0.050 | | 5.15 | 5.000 | 0 | 103.0 | 59.5 | 117 | 10/30/2023 |
| Trichloroethene | | 0.200 | | 5.25 | 5.000 | 0 | 105.1 | 72.3 | 120 | 10/30/2023 |
| Vinyl chloride | | 0.200 | | 5.83 | 5.000 | 0 | 116.6 | 51 | 130 | 10/30/2023 |
| Surr: 1,2-Dichloroethane-d4 | * | | | 4.82 | 5.000 | | 96.4 | 80 | 120 | 10/30/2023 |
| Surr: 4-Bromofluorobenzene | * | | | 4.98 | 5.000 | | 99.5 | 80 | 120 | 10/30/2023 |
| Surr: Dibromofluoromethane | * | | | 5.16 | 5.000 | | 103.3 | 80 | 120 | 10/30/2023 |
| Surr: Toluene-d8 | * | | | 5.11 | 5.000 | | 102.2 | 80 | 120 | 10/30/2023 |

| Batch 213963 | | SampType: MS | | Units mg/L | | | | | | |
|-----------------------------|------|--------------|------|-------------|-------|-------------|-------|-----------|------------|---------------|
| SampID: 23101911-002AMS | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| 1,1-Dichloroethene | | 0.200 | | 4.02 | 5.000 | 0 | 80.4 | 55.7 | 113 | 10/30/2023 |
| 1,2-Dichloroethane | | 0.200 | | 4.91 | 5.000 | 0 | 98.3 | 71.3 | 129 | 10/30/2023 |
| 1,4-Dichlorobenzene | | 0.200 | | 4.71 | 5.000 | 0 | 94.2 | 79.9 | 120 | 10/30/2023 |
| 2-Butanone | | 1.00 | | 10.5 | 10.00 | 0 | 104.7 | 65.6 | 125 | 10/30/2023 |
| Benzene | | 0.050 | | 4.73 | 5.000 | 0 | 94.6 | 73.4 | 121 | 10/30/2023 |
| Carbon tetrachloride | | 0.200 | | 4.73 | 5.000 | 0 | 94.6 | 66.9 | 140 | 10/30/2023 |
| Chlorobenzene | | 0.200 | | 4.62 | 5.000 | 0 | 92.4 | 76.7 | 110 | 10/30/2023 |
| Chloroform | | 0.200 | | 4.73 | 5.000 | 0 | 94.6 | 74.2 | 124 | 10/30/2023 |
| Tetrachloroethene | | 0.050 | | 4.45 | 5.000 | 0 | 89.0 | 59.5 | 117 | 10/30/2023 |
| Trichloroethene | | 0.200 | | 4.64 | 5.000 | 0 | 92.7 | 72.3 | 120 | 10/30/2023 |
| Vinyl chloride | | 0.200 | | 5.06 | 5.000 | 0 | 101.3 | 51 | 130 | 10/30/2023 |
| Surr: 1,2-Dichloroethane-d4 | * | | | 4.90 | 5.000 | | 98.0 | 80 | 120 | 10/30/2023 |
| Surr: 4-Bromofluorobenzene | * | | | 4.87 | 5.000 | | 97.3 | 80 | 120 | 10/30/2023 |
| Surr: Dibromofluoromethane | * | | | 5.19 | 5.000 | | 103.9 | 80 | 120 | 10/30/2023 |
| Surr: Toluene-d8 | * | | | 5.07 | 5.000 | | 101.3 | 80 | 120 | 10/30/2023 |

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS

| Batch 213963 | | SampType: MS | | Units mg/L | | | | | | |
|-----------------------------|------|--------------|------|-------------|-------|-------------|-------|-----------|------------|---------------|
| SampID: 23101913-001AMS | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| 1,1-Dichloroethene | | 0.200 | | 4.58 | 5.000 | 0 | 91.7 | 55.7 | 113 | 10/30/2023 |
| 1,2-Dichloroethane | | 0.200 | | 5.46 | 5.000 | 0 | 109.1 | 71.3 | 129 | 10/30/2023 |
| 1,4-Dichlorobenzene | | 0.200 | | 5.38 | 5.000 | 0 | 107.7 | 79.9 | 120 | 10/30/2023 |
| 2-Butanone | | 1.00 | | 11.6 | 10.00 | 0 | 115.8 | 65.6 | 125 | 10/30/2023 |
| Benzene | | 0.050 | | 5.32 | 5.000 | 0 | 106.4 | 73.4 | 121 | 10/30/2023 |
| Carbon tetrachloride | | 0.200 | | 5.30 | 5.000 | 0 | 106.0 | 66.9 | 140 | 10/30/2023 |
| Chlorobenzene | | 0.200 | | 5.17 | 5.000 | 0 | 103.5 | 76.7 | 110 | 10/30/2023 |
| Chloroform | | 0.200 | | 5.30 | 5.000 | 0 | 105.9 | 74.2 | 124 | 10/30/2023 |
| Tetrachloroethene | | 0.050 | | 5.11 | 5.000 | 0 | 102.2 | 59.5 | 117 | 10/30/2023 |
| Trichloroethene | | 0.200 | | 5.20 | 5.000 | 0 | 104.1 | 72.3 | 120 | 10/30/2023 |
| Vinyl chloride | | 0.200 | | 5.77 | 5.000 | 0 | 115.4 | 51 | 130 | 10/30/2023 |
| Surr: 1,2-Dichloroethane-d4 | * | | | 4.89 | 5.000 | | 97.8 | 80 | 120 | 10/30/2023 |
| Surr: 4-Bromofluorobenzene | * | | | 4.89 | 5.000 | | 97.8 | 80 | 120 | 10/30/2023 |
| Surr: Dibromofluoromethane | * | | | 5.13 | 5.000 | | 102.5 | 80 | 120 | 10/30/2023 |
| Surr: Toluene-d8 | * | | | 5.04 | 5.000 | | 100.7 | 80 | 120 | 10/30/2023 |

| Batch 213963 | | SampType: MS | | Units mg/L | | | | | | |
|-----------------------------|------|--------------|------|-------------|-------|-------------|-------|-----------|------------|---------------|
| SampID: 23101916-001AMS | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| 1,1-Dichloroethene | | 0.200 | | 4.63 | 5.000 | 0 | 92.5 | 55.7 | 113 | 10/30/2023 |
| 1,2-Dichloroethane | | 0.200 | | 5.52 | 5.000 | 0 | 110.4 | 71.3 | 129 | 10/30/2023 |
| 1,4-Dichlorobenzene | | 0.200 | | 5.35 | 5.000 | 0 | 107.0 | 79.9 | 120 | 10/30/2023 |
| 2-Butanone | | 1.00 | | 11.8 | 10.00 | 0 | 118.0 | 65.6 | 125 | 10/30/2023 |
| Benzene | | 0.050 | | 5.36 | 5.000 | 0 | 107.3 | 73.4 | 121 | 10/30/2023 |
| Carbon tetrachloride | | 0.200 | | 5.30 | 5.000 | 0 | 106.1 | 66.9 | 140 | 10/30/2023 |
| Chlorobenzene | | 0.200 | | 5.18 | 5.000 | 0 | 103.6 | 76.7 | 110 | 10/30/2023 |
| Chloroform | | 0.200 | | 5.32 | 5.000 | 0 | 106.4 | 74.2 | 124 | 10/30/2023 |
| Tetrachloroethene | | 0.050 | | 5.06 | 5.000 | 0 | 101.3 | 59.5 | 117 | 10/30/2023 |
| Trichloroethene | | 0.200 | | 5.30 | 5.000 | 0 | 105.9 | 72.3 | 120 | 10/30/2023 |
| Vinyl chloride | | 0.200 | | 5.76 | 5.000 | 0 | 115.3 | 51 | 130 | 10/30/2023 |
| Surr: 1,2-Dichloroethane-d4 | * | | | 4.98 | 5.000 | | 99.5 | 80 | 120 | 10/30/2023 |
| Surr: 4-Bromofluorobenzene | * | | | 4.88 | 5.000 | | 97.6 | 80 | 120 | 10/30/2023 |
| Surr: Dibromofluoromethane | * | | | 5.19 | 5.000 | | 103.8 | 80 | 120 | 10/30/2023 |
| Surr: Toluene-d8 | * | | | 5.09 | 5.000 | | 101.8 | 80 | 120 | 10/30/2023 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS

| Batch 213963 | | SampType: MS | | Units mg/L | | | | | | | Date Analyzed |
|-----------------------------|------|--------------|------|------------|-------|-------------|-------|-----------|------------|---------------|---------------|
| SampID: 23102157-003AMS | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed | |
| 1,1-Dichloroethene | | 0.200 | | 4.40 | 5.000 | 0 | 88.0 | 55.7 | 113 | 10/30/2023 | |
| 1,2-Dichloroethane | | 0.200 | | 5.26 | 5.000 | 0 | 105.2 | 71.3 | 129 | 10/30/2023 | |
| 1,4-Dichlorobenzene | | 0.200 | | 5.14 | 5.000 | 0 | 102.7 | 79.9 | 120 | 10/30/2023 | |
| 2-Butanone | | 1.00 | | 11.2 | 10.00 | 0 | 112.3 | 65.6 | 125 | 10/30/2023 | |
| Benzene | | 0.050 | | 5.05 | 5.000 | 0 | 101.1 | 73.4 | 121 | 10/30/2023 | |
| Carbon tetrachloride | | 0.200 | | 5.10 | 5.000 | 0 | 102.0 | 66.9 | 140 | 10/30/2023 | |
| Chlorobenzene | | 0.200 | | 4.92 | 5.000 | 0 | 98.3 | 76.7 | 110 | 10/30/2023 | |
| Chloroform | | 0.200 | | 5.02 | 5.000 | 0 | 100.3 | 74.2 | 124 | 10/30/2023 | |
| Tetrachloroethene | | 0.050 | | 4.89 | 5.000 | 0 | 97.7 | 59.5 | 117 | 10/30/2023 | |
| Trichloroethene | | 0.200 | | 4.97 | 5.000 | 0 | 99.5 | 72.3 | 120 | 10/30/2023 | |
| Vinyl chloride | | 0.200 | | 5.47 | 5.000 | 0 | 109.4 | 51 | 130 | 10/30/2023 | |
| Surr: 1,2-Dichloroethane-d4 | * | | | 4.90 | 5.000 | | 98.0 | 80 | 120 | 10/30/2023 | |
| Surr: 4-Bromofluorobenzene | * | | | 4.99 | 5.000 | | 99.7 | 80 | 120 | 10/30/2023 | |
| Surr: Dibromofluoromethane | * | | | 5.14 | 5.000 | | 102.7 | 80 | 120 | 10/30/2023 | |
| Surr: Toluene-d8 | * | | | 5.08 | 5.000 | | 101.7 | 80 | 120 | 10/30/2023 | |

| Batch 213963 | | SampType: MSD | | Units mg/L | | | | | | | RPD Limit 20 | Date Analyzed |
|-----------------------------|------|---------------|------|------------|-------|-------------|-------|-------------|------|---------------|--------------|---------------|
| SampID: 23102157-003AMSD | | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed | | |
| 1,1-Dichloroethene | | 0.200 | | 4.58 | 5.000 | 0 | 91.6 | 4.401 | 3.96 | 10/30/2023 | | |
| 1,2-Dichloroethane | | 0.200 | | 5.24 | 5.000 | 0 | 104.8 | 5.261 | 0.38 | 10/30/2023 | | |
| 1,4-Dichlorobenzene | | 0.200 | | 5.19 | 5.000 | 0 | 103.7 | 5.137 | 0.97 | 10/30/2023 | | |
| 2-Butanone | | 1.00 | | 11.3 | 10.00 | 0 | 113.2 | 11.23 | 0.75 | 10/30/2023 | | |
| Benzene | | 0.050 | | 5.17 | 5.000 | 0 | 103.3 | 5.054 | 2.21 | 10/30/2023 | | |
| Carbon tetrachloride | | 0.200 | | 5.18 | 5.000 | 0 | 103.6 | 5.101 | 1.52 | 10/30/2023 | | |
| Chlorobenzene | | 0.200 | | 4.96 | 5.000 | 0 | 99.2 | 4.917 | 0.83 | 10/30/2023 | | |
| Chloroform | | 0.200 | | 5.10 | 5.000 | 0 | 101.9 | 5.016 | 1.56 | 10/30/2023 | | |
| Tetrachloroethene | | 0.050 | | 4.96 | 5.000 | 0 | 99.3 | 4.886 | 1.56 | 10/30/2023 | | |
| Trichloroethene | | 0.200 | | 5.02 | 5.000 | 0 | 100.3 | 4.973 | 0.84 | 10/30/2023 | | |
| Vinyl chloride | | 0.200 | | 5.68 | 5.000 | 0 | 113.6 | 5.471 | 3.75 | 10/30/2023 | | |
| Surr: 1,2-Dichloroethane-d4 | * | | | 4.91 | 5.000 | | 98.2 | | | 10/30/2023 | | |
| Surr: 4-Bromofluorobenzene | * | | | 4.98 | 5.000 | | 99.6 | | | 10/30/2023 | | |
| Surr: Dibromofluoromethane | * | | | 5.23 | 5.000 | | 104.6 | | | 10/30/2023 | | |
| Surr: Toluene-d8 | * | | | 5.10 | 5.000 | | 102.0 | | | 10/30/2023 | | |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 213880 **SampType:** MBLK **Units** mg/Kg

SampID: MBLK-AN231027A-1

| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|---------------------------------------|------|--------|------|--------|-------|-------------|------|-----------|------------|---------------|
| 1,1,1,2-Tetrachloroethane | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,1,1-Trichloroethane | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,1,2,2-Tetrachloroethane | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,1,2-Trichloroethane | * | 0.0050 | | ND | | | | | | 10/27/2023 |
| 1,1-Dichloro-2-propanone | * | 0.0500 | | ND | | | | | | 10/27/2023 |
| 1,1-Dichloroethane | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,1-Dichloroethene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,1-Dichloropropene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,2,3-Trichlorobenzene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,2,3-Trichloropropane | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,2,3-Trimethylbenzene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,2,4-Trichlorobenzene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,2,4-Trimethylbenzene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,2-Dibromo-3-chloropropane | * | 0.0050 | | ND | | | | | | 10/27/2023 |
| 1,2-Dibromoethane | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,2-Dichlorobenzene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,2-Dichloroethane | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,2-Dichloropropane | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,3,5-Trimethylbenzene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,3-Dichlorobenzene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,3-Dichloropropane | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1,4-Dichlorobenzene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 1-Chlorobutane | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 2,2-Dichloropropane | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 2-Butanone | * | 0.0250 | | ND | | | | | | 10/27/2023 |
| 2-Chlorotoluene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 2-Hexanone | * | 0.0250 | | ND | | | | | | 10/27/2023 |
| 2-Nitropropane | * | 0.0500 | | ND | | | | | | 10/27/2023 |
| 4-Chlorotoluene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| 4-Methyl-2-pentanone | * | 0.0250 | | ND | | | | | | 10/27/2023 |
| Acetone | * | 0.0250 | | ND | | | | | | 10/27/2023 |
| Acrolein | * | 0.0500 | | ND | | | | | | 10/27/2023 |
| Acrylonitrile | * | 0.0050 | | ND | | | | | | 10/27/2023 |
| Allyl chloride | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Benzene | * | 0.0010 | | ND | | | | | | 10/27/2023 |

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 213880 **SampType:** MBLK **Units** mg/Kg

SampID: MBLK-AN231027A-1

| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|-------------------------|------|--------|------|--------|-------|-------------|------|-----------|------------|---------------|
| Bromobenzene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Bromochloromethane | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Bromodichloromethane | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Bromoform | * | 0.0050 | | ND | | | | | | 10/27/2023 |
| Bromomethane | * | 0.0100 | | ND | | | | | | 10/27/2023 |
| Carbon disulfide | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Carbon tetrachloride | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Chlorobenzene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Chloroethane | * | 0.0100 | | ND | | | | | | 10/27/2023 |
| Chloroform | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Chloromethane | * | 0.0100 | | ND | | | | | | 10/27/2023 |
| cis-1,2-Dichloroethene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| cis-1,3-Dichloropropene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Cyclohexanone | * | 0.0500 | | ND | | | | | | 10/27/2023 |
| Dibromochloromethane | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Dibromomethane | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Dichlorodifluoromethane | * | 0.0100 | | ND | | | | | | 10/27/2023 |
| Ethyl ether | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Ethyl methacrylate | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Ethylbenzene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Hexachlorobutadiene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Hexachloroethane | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Iodomethane | * | 0.0100 | | ND | | | | | | 10/27/2023 |
| Isopropylbenzene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| m,p-Xylenes | * | 0.0040 | | ND | | | | | | 10/27/2023 |
| Methacrylonitrile | * | 0.0050 | | ND | | | | | | 10/27/2023 |
| Methyl Methacrylate | * | 0.0050 | | ND | | | | | | 10/27/2023 |
| Methyl tert-butyl ether | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Methylacrylate | * | 0.0050 | | ND | | | | | | 10/27/2023 |
| Methylene chloride | * | 0.0100 | | ND | | | | | | 10/27/2023 |
| Naphthalene | * | 0.0050 | | ND | | | | | | 10/27/2023 |
| n-Butylbenzene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| n-Heptane | * | 0.0200 | | ND | | | | | | 10/27/2023 |
| n-Hexane | * | 0.0200 | | ND | | | | | | 10/27/2023 |
| Nitrobenzene | * | 0.0500 | | ND | | | | | | 10/27/2023 |
| n-Propylbenzene | * | 0.0020 | | ND | | | | | | 10/27/2023 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 213880 **SampType:** MBLK **Units** mg/Kg

SampID: MBLK-AN231027A-1

| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|-----------------------------|------|--------|------|--------|-------|-------------|-------|-----------|------------|---------------|
| o-Xylene | * | 0.0040 | | ND | | | | | | 10/27/2023 |
| Pentachloroethane | * | 0.0050 | | ND | | | | | | 10/27/2023 |
| p-Isopropyltoluene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Propionitrile | * | 0.0500 | | ND | | | | | | 10/27/2023 |
| sec-Butylbenzene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Styrene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| tert-Butylbenzene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Tetrachloroethene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Tetrahydrofuran | * | 0.0100 | | ND | | | | | | 10/27/2023 |
| Toluene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| trans-1,2-Dichloroethene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| trans-1,3-Dichloropropene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Trichloroethene | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Trichlorofluoromethane | * | 0.0050 | | ND | | | | | | 10/27/2023 |
| Vinyl acetate | * | 0.0500 | | ND | | | | | | 10/27/2023 |
| Vinyl chloride | * | 0.0020 | | ND | | | | | | 10/27/2023 |
| Surr: 1,2-Dichloroethane-d4 | * | | | 46.7 | 50.00 | | 93.3 | 80 | 120 | 10/27/2023 |
| Surr: 4-Bromofluorobenzene | * | | | 42.7 | 50.00 | | 85.3 | 80 | 120 | 10/27/2023 |
| Surr: Dibromofluoromethane | * | | | 51.7 | 50.00 | | 103.4 | 80 | 120 | 10/27/2023 |
| Surr: Toluene-d8 | * | | | 48.3 | 50.00 | | 96.6 | 80 | 120 | 10/27/2023 |

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 213880 SampType: LCS

Units mg/Kg

SampID: LCS-AN231027A-1

| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|---------------------------------------|------|--------|------|---------------|--------|-------------|-------|-----------|------------|---------------|
| 1,1,1,2-Tetrachloroethane | * | 0.0020 | S | 0.0677 | 0.0500 | 0 | 135.4 | 81.1 | 128 | 10/27/2023 |
| 1,1,1-Trichloroethane | * | 0.0020 | | 0.0603 | 0.0500 | 0 | 120.6 | 65.1 | 140 | 10/27/2023 |
| 1,1,2,2-Tetrachloroethane | * | 0.0020 | | 0.0489 | 0.0500 | 0 | 97.8 | 69.7 | 131 | 10/27/2023 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | * | 0.0020 | | 0.0571 | 0.0500 | 0 | 114.2 | 49.7 | 159 | 10/27/2023 |
| 1,1,2-Trichloroethane | * | 0.0050 | | 0.0549 | 0.0500 | 0 | 109.9 | 81.7 | 118 | 10/27/2023 |
| 1,1-Dichloro-2-propanone | * | 0.0500 | | 0.124 | 0.125 | 0 | 99.5 | 69.7 | 128 | 10/27/2023 |
| 1,1-Dichloroethane | * | 0.0020 | | 0.0474 | 0.0500 | 0 | 94.7 | 75.2 | 127 | 10/27/2023 |
| 1,1-Dichloroethene | * | 0.0020 | | 0.0482 | 0.0500 | 0 | 96.5 | 56.8 | 144 | 10/27/2023 |
| 1,1-Dichloropropene | * | 0.0020 | | 0.0505 | 0.0500 | 0 | 101.1 | 60.5 | 143 | 10/27/2023 |
| 1,2,3-Trichlorobenzene | * | 0.0020 | | 0.0700 | 0.0500 | 0 | 140.1 | 65 | 147 | 10/27/2023 |
| 1,2,3-Trichloropropane | * | 0.0020 | | 0.0554 | 0.0500 | 0 | 110.9 | 71.7 | 125 | 10/27/2023 |
| 1,2,3-Trimethylbenzene | * | 0.0020 | | 0.0534 | 0.0500 | 0 | 106.8 | 70.4 | 130 | 10/27/2023 |
| 1,2,4-Trichlorobenzene | * | 0.0020 | | 0.0694 | 0.0500 | 0 | 138.7 | 54.9 | 169 | 10/27/2023 |
| 1,2,4-Trimethylbenzene | * | 0.0020 | | 0.0566 | 0.0500 | 0 | 113.2 | 66.3 | 137 | 10/27/2023 |
| 1,2-Dibromo-3-chloropropane | * | 0.0050 | | 0.0506 | 0.0500 | 0 | 101.1 | 68.4 | 128 | 10/27/2023 |
| 1,2-Dibromoethane | * | 0.0020 | | 0.0594 | 0.0500 | 0 | 118.8 | 84.3 | 123 | 10/27/2023 |
| 1,2-Dichlorobenzene | * | 0.0020 | | 0.0623 | 0.0500 | 0 | 124.6 | 76.5 | 129 | 10/27/2023 |
| 1,2-Dichloroethane | * | 0.0020 | | 0.0510 | 0.0500 | 0 | 102.0 | 73.7 | 125 | 10/27/2023 |
| 1,2-Dichloropropane | * | 0.0020 | | 0.0454 | 0.0500 | 0 | 90.8 | 79.7 | 126 | 10/27/2023 |
| 1,3,5-Trimethylbenzene | * | 0.0020 | | 0.0554 | 0.0500 | 0 | 110.8 | 65.7 | 137 | 10/27/2023 |
| 1,3-Dichlorobenzene | * | 0.0020 | | 0.0609 | 0.0500 | 0 | 121.7 | 70.2 | 135 | 10/27/2023 |
| 1,3-Dichloropropane | * | 0.0020 | | 0.0492 | 0.0500 | 0 | 98.4 | 80.1 | 122 | 10/27/2023 |
| 1,4-Dichlorobenzene | * | 0.0020 | | 0.0598 | 0.0500 | 0 | 119.5 | 70.3 | 140 | 10/27/2023 |
| 1-Chlorobutane | * | 0.0020 | | 0.0454 | 0.0500 | 0 | 90.7 | 64.5 | 141 | 10/27/2023 |
| 2,2-Dichloropropane | * | 0.0020 | | 0.0574 | 0.0500 | 0 | 114.7 | 66.8 | 144 | 10/27/2023 |
| 2-Butanone | * | 0.0250 | | 0.0899 | 0.125 | 0 | 71.9 | 70 | 131 | 10/27/2023 |
| 2-Chlorotoluene | * | 0.0020 | | 0.0529 | 0.0500 | 0 | 105.9 | 66.5 | 133 | 10/27/2023 |
| 2-Hexanone | * | 0.0250 | | 0.0928 | 0.125 | 0 | 74.2 | 64.9 | 137 | 10/27/2023 |
| 2-Nitropropane | * | 0.0500 | | 0.538 | 0.500 | 0 | 107.6 | 69.5 | 138 | 10/27/2023 |
| 4-Chlorotoluene | * | 0.0020 | | 0.0525 | 0.0500 | 0 | 105.0 | 65 | 136 | 10/27/2023 |
| 4-Methyl-2-pentanone | * | 0.0250 | | 0.107 | 0.125 | 0 | 85.5 | 71 | 133 | 10/27/2023 |
| Acetone | * | 0.0250 | | 0.107 | 0.125 | 0 | 85.7 | 63 | 153 | 10/27/2023 |
| Acrolein | * | 0.0500 | | 0.316 | 0.500 | 0 | 63.2 | 30.6 | 165 | 10/27/2023 |
| Acrylonitrile | * | 0.0050 | | 0.0422 | 0.0500 | 0 | 84.5 | 76.1 | 133 | 10/27/2023 |
| Allyl chloride | * | 0.0020 | | 0.0552 | 0.0500 | 0 | 110.4 | 72 | 147 | 10/27/2023 |
| Benzene | * | 0.0010 | | 0.0499 | 0.0500 | 0 | 99.9 | 76.1 | 129 | 10/27/2023 |

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 213880 SampType: LCS

Units mg/Kg

SampID: LCS-AN231027A-1

| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|-------------------------|------|--------|------|---------------|--------|-------------|-------|-----------|------------|---------------|
| Bromobenzene | * | 0.0020 | | 0.0623 | 0.0500 | 0 | 124.6 | 77.3 | 127 | 10/27/2023 |
| Bromochloromethane | * | 0.0020 | | 0.0408 | 0.0500 | 0 | 81.6 | 75.4 | 129 | 10/27/2023 |
| Bromodichloromethane | * | 0.0020 | | 0.0578 | 0.0500 | 0 | 115.5 | 85.8 | 129 | 10/27/2023 |
| Bromoform | * | 0.0050 | S | 0.0604 | 0.0500 | 0 | 120.9 | 75.9 | 118 | 10/27/2023 |
| Bromomethane | * | 0.0100 | | 0.0545 | 0.0500 | 0 | 109.0 | 1 | 262 | 10/27/2023 |
| Carbon disulfide | * | 0.0020 | | 0.0539 | 0.0500 | 0 | 107.8 | 58.3 | 155 | 10/27/2023 |
| Carbon tetrachloride | * | 0.0020 | | 0.0640 | 0.0500 | 0 | 128.1 | 58.5 | 146 | 10/27/2023 |
| Chlorobenzene | * | 0.0020 | | 0.0579 | 0.0500 | 0 | 115.8 | 78.3 | 124 | 10/27/2023 |
| Chloroethane | * | 0.0100 | | 0.0340 | 0.0500 | 0 | 68.0 | 55.3 | 136 | 10/27/2023 |
| Chloroform | * | 0.0020 | | 0.0556 | 0.0500 | 0 | 111.1 | 78.4 | 124 | 10/27/2023 |
| Chloromethane | * | 0.0100 | | 0.0370 | 0.0500 | 0 | 74.0 | 38.4 | 143 | 10/27/2023 |
| cis-1,2-Dichloroethene | * | 0.0020 | | 0.0566 | 0.0500 | 0 | 113.2 | 78.9 | 131 | 10/27/2023 |
| cis-1,3-Dichloropropene | * | 0.0020 | | 0.0549 | 0.0500 | 0 | 109.8 | 85.9 | 133 | 10/27/2023 |
| Cyclohexanone | * | 0.0500 | | 0.372 | 0.500 | 0 | 74.3 | 59.4 | 142 | 10/27/2023 |
| Dibromochloromethane | * | 0.0020 | | 0.0590 | 0.0500 | 0 | 118.0 | 82.1 | 120 | 10/27/2023 |
| Dibromomethane | * | 0.0020 | | 0.0554 | 0.0500 | 0 | 110.9 | 84.8 | 125 | 10/27/2023 |
| Dichlorodifluoromethane | * | 0.0100 | | 0.0470 | 0.0500 | 0 | 94.0 | 22.1 | 161 | 10/27/2023 |
| Ethyl ether | * | 0.0020 | | 0.0436 | 0.0500 | 0 | 87.1 | 76.3 | 128 | 10/27/2023 |
| Ethyl methacrylate | * | 0.0020 | | 0.0501 | 0.0500 | 0 | 100.1 | 77.5 | 130 | 10/27/2023 |
| Ethylbenzene | * | 0.0020 | | 0.0540 | 0.0500 | 0 | 108.0 | 70.2 | 131 | 10/27/2023 |
| Hexachlorobutadiene | * | 0.0020 | | 0.0735 | 0.0500 | 0 | 146.9 | 46.7 | 157 | 10/27/2023 |
| Hexachloroethane | * | 0.0020 | | 0.0498 | 0.0500 | 0 | 99.6 | 62.6 | 125 | 10/27/2023 |
| Iodomethane | * | 0.0100 | | 0.0579 | 0.0500 | 0 | 115.8 | 51.2 | 166 | 10/27/2023 |
| Isopropylbenzene | * | 0.0020 | | 0.0586 | 0.0500 | 0 | 117.2 | 68.7 | 135 | 10/27/2023 |
| m,p-Xylenes | * | 0.0040 | | 0.113 | 0.100 | 0 | 112.7 | 70.2 | 131 | 10/27/2023 |
| Methacrylonitrile | * | 0.0050 | | 0.0478 | 0.0500 | 0 | 95.7 | 78.6 | 135 | 10/27/2023 |
| Methyl Methacrylate | * | 0.0050 | | 0.0408 | 0.0500 | 0 | 81.7 | 73 | 136 | 10/27/2023 |
| Methyl tert-butyl ether | * | 0.0020 | | 0.0550 | 0.0500 | 0 | 110.1 | 84.1 | 129 | 10/27/2023 |
| Methylacrylate | * | 0.0050 | | 0.0556 | 0.0500 | 0 | 111.2 | 82.7 | 130 | 10/27/2023 |
| Methylene chloride | * | 0.0100 | | 0.0405 | 0.0500 | 0 | 81.0 | 69.1 | 131 | 10/27/2023 |
| Naphthalene | * | 0.0050 | | 0.0632 | 0.0500 | 0 | 126.5 | 78.1 | 130 | 10/27/2023 |
| n-Butylbenzene | * | 0.0020 | | 0.0515 | 0.0500 | 0 | 102.9 | 49.4 | 153 | 10/27/2023 |
| n-Heptane | * | 0.0200 | | 0.0407 | 0.0500 | 0 | 81.4 | 51.1 | 184 | 10/27/2023 |
| n-Hexane | * | 0.0200 | | 0.0386 | 0.0500 | 0 | 77.1 | 44.7 | 157 | 10/27/2023 |
| Nitrobenzene | * | 0.0500 | | 0.543 | 0.500 | 0 | 108.7 | 49.4 | 149 | 10/27/2023 |
| n-Propylbenzene | * | 0.0020 | | 0.0524 | 0.0500 | 0 | 104.7 | 59.2 | 139 | 10/27/2023 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 213880 SampType: LCS Units mg/Kg

SampID: LCS-AN231027A-1

| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
|-----------------------------|------|--------|------|---------------|--------|-------------|-------|-----------|------------|---------------|
| o-Xylene | * | 0.0040 | | 0.0563 | 0.0500 | 0 | 112.5 | 76.5 | 129 | 10/27/2023 |
| Pentachloroethane | * | 0.0050 | | 0.0673 | 0.0500 | 0 | 134.5 | 66 | 136 | 10/27/2023 |
| p-Isopropyltoluene | * | 0.0020 | | 0.0568 | 0.0500 | 0 | 113.6 | 69.9 | 135 | 10/27/2023 |
| Propionitrile | * | 0.0500 | | 0.420 | 0.500 | 0 | 83.9 | 76.5 | 137 | 10/27/2023 |
| sec-Butylbenzene | * | 0.0020 | | 0.0564 | 0.0500 | 0 | 112.7 | 59.5 | 141 | 10/27/2023 |
| Styrene | * | 0.0020 | | 0.0596 | 0.0500 | 0 | 119.3 | 79.1 | 131 | 10/27/2023 |
| tert-Butylbenzene | * | 0.0020 | | 0.0538 | 0.0500 | 0 | 107.5 | 60.7 | 136 | 10/27/2023 |
| Tetrachloroethene | * | 0.0020 | | 0.0686 | 0.0500 | 0 | 137.1 | 55.8 | 142 | 10/27/2023 |
| Tetrahydrofuran | * | 0.0100 | | 0.0345 | 0.0500 | 0 | 68.9 | 66.6 | 129 | 10/27/2023 |
| Toluene | * | 0.0020 | | 0.0550 | 0.0500 | 0 | 110.0 | 73.6 | 125 | 10/27/2023 |
| trans-1,2-Dichloroethene | * | 0.0020 | | 0.0476 | 0.0500 | 0 | 95.2 | 68.2 | 134 | 10/27/2023 |
| trans-1,3-Dichloropropene | * | 0.0020 | | 0.0551 | 0.0500 | 0 | 110.1 | 79.2 | 131 | 10/27/2023 |
| Trichloroethene | * | 0.0020 | | 0.0549 | 0.0500 | 0 | 109.8 | 69.2 | 136 | 10/27/2023 |
| Trichlorofluoromethane | * | 0.0050 | | 0.0649 | 0.0500 | 0 | 129.8 | 50.1 | 147 | 10/27/2023 |
| Vinyl acetate | * | 0.0500 | | 0.0551 | 0.0500 | 0 | 110.2 | 77.6 | 136 | 10/27/2023 |
| Vinyl chloride | * | 0.0020 | | 0.0496 | 0.0500 | 0 | 99.2 | 40.3 | 160 | 10/27/2023 |
| Surr: 1,2-Dichloroethane-d4 | * | | | 45.8 | 50.00 | | 91.7 | 80 | 120 | 10/27/2023 |
| Surr: 4-Bromofluorobenzene | * | | | 43.2 | 50.00 | | 86.3 | 80 | 120 | 10/27/2023 |
| Surr: Dibromofluoromethane | * | | | 52.5 | 50.00 | | 104.9 | 80 | 120 | 10/27/2023 |
| Surr: Toluene-d8 | * | | | 48.6 | 50.00 | | 97.1 | 80 | 120 | 10/27/2023 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

| Batch | SampType: | LCSD | Units mg/Kg | | | RPD Limit 20 | | | | | Date Analyzed |
|---------------------------------------|-----------|--------|-------------|---------------|--------|--------------|-------|-------------|------|------------|---------------|
| SampID: LCSD-AN231027A-1 | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | | |
| 1,1,1,2-Tetrachloroethane | * | 0.0020 | S | 0.0663 | 0.0500 | 0 | 132.5 | 0.0677 | 2.14 | 10/27/2023 | |
| 1,1,1-Trichloroethane | * | 0.0020 | | 0.0580 | 0.0500 | 0 | 116.0 | 0.0603 | 3.87 | 10/27/2023 | |
| 1,1,2,2-Tetrachloroethane | * | 0.0020 | | 0.0482 | 0.0500 | 0 | 96.4 | 0.0489 | 1.38 | 10/27/2023 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | * | 0.0020 | | 0.0557 | 0.0500 | 0 | 111.4 | 0.0571 | 2.52 | 10/27/2023 | |
| 1,1,2-Trichloroethane | * | 0.0050 | | 0.0543 | 0.0500 | 0 | 108.5 | 0.0549 | 1.23 | 10/27/2023 | |
| 1,1-Dichloro-2-propanone | * | 0.0500 | | 0.125 | 0.125 | 0 | 99.8 | 0.124 | 0.37 | 10/27/2023 | |
| 1,1-Dichloroethane | * | 0.0020 | | 0.0459 | 0.0500 | 0 | 91.8 | 0.0474 | 3.13 | 10/27/2023 | |
| 1,1-Dichloroethene | * | 0.0020 | | 0.0466 | 0.0500 | 0 | 93.1 | 0.0482 | 3.50 | 10/27/2023 | |
| 1,1-Dichloropropene | * | 0.0020 | | 0.0488 | 0.0500 | 0 | 97.5 | 0.0505 | 3.57 | 10/27/2023 | |
| 1,2,3-Trichlorobenzene | * | 0.0020 | | 0.0680 | 0.0500 | 0 | 136.0 | 0.0700 | 2.96 | 10/27/2023 | |
| 1,2,3-Trichloropropane | * | 0.0020 | | 0.0542 | 0.0500 | 0 | 108.4 | 0.0554 | 2.26 | 10/27/2023 | |
| 1,2,3-Trimethylbenzene | * | 0.0020 | | 0.0518 | 0.0500 | 0 | 103.5 | 0.0534 | 3.14 | 10/27/2023 | |
| 1,2,4-Trichlorobenzene | * | 0.0020 | | 0.0671 | 0.0500 | 0 | 134.2 | 0.0694 | 3.36 | 10/27/2023 | |
| 1,2,4-Trimethylbenzene | * | 0.0020 | | 0.0549 | 0.0500 | 0 | 109.9 | 0.0566 | 2.99 | 10/27/2023 | |
| 1,2-Dibromo-3-chloropropane | * | 0.0050 | | 0.0507 | 0.0500 | 0 | 101.3 | 0.0506 | 0.20 | 10/27/2023 | |
| 1,2-Dibromoethane | * | 0.0020 | | 0.0588 | 0.0500 | 0 | 117.6 | 0.0594 | 1.00 | 10/27/2023 | |
| 1,2-Dichlorobenzene | * | 0.0020 | | 0.0604 | 0.0500 | 0 | 120.7 | 0.0623 | 3.16 | 10/27/2023 | |
| 1,2-Dichloroethane | * | 0.0020 | | 0.0496 | 0.0500 | 0 | 99.3 | 0.0510 | 2.74 | 10/27/2023 | |
| 1,2-Dichloropropane | * | 0.0020 | | 0.0441 | 0.0500 | 0 | 88.3 | 0.0454 | 2.84 | 10/27/2023 | |
| 1,3,5-Trimethylbenzene | * | 0.0020 | | 0.0537 | 0.0500 | 0 | 107.3 | 0.0554 | 3.15 | 10/27/2023 | |
| 1,3-Dichlorobenzene | * | 0.0020 | | 0.0593 | 0.0500 | 0 | 118.6 | 0.0609 | 2.61 | 10/27/2023 | |
| 1,3-Dichloropropane | * | 0.0020 | | 0.0483 | 0.0500 | 0 | 96.7 | 0.0492 | 1.76 | 10/27/2023 | |
| 1,4-Dichlorobenzene | * | 0.0020 | | 0.0581 | 0.0500 | 0 | 116.2 | 0.0598 | 2.82 | 10/27/2023 | |
| 1-Chlorobutane | * | 0.0020 | | 0.0436 | 0.0500 | 0 | 87.2 | 0.0454 | 3.96 | 10/27/2023 | |
| 2,2-Dichloropropane | * | 0.0020 | | 0.0553 | 0.0500 | 0 | 110.6 | 0.0574 | 3.67 | 10/27/2023 | |
| 2-Butanone | * | 0.0250 | | 0.0894 | 0.125 | 0 | 71.6 | 0.0899 | 0.46 | 10/27/2023 | |
| 2-Chlorotoluene | * | 0.0020 | | 0.0511 | 0.0500 | 0 | 102.2 | 0.0529 | 3.48 | 10/27/2023 | |
| 2-Hexanone | * | 0.0250 | | 0.0925 | 0.125 | 0 | 74.0 | 0.0928 | 0.27 | 10/27/2023 | |
| 2-Nitropropane | * | 0.0500 | | 0.534 | 0.500 | 0 | 106.7 | 0.538 | 0.87 | 10/27/2023 | |
| 4-Chlorotoluene | * | 0.0020 | | 0.0507 | 0.0500 | 0 | 101.3 | 0.0525 | 3.53 | 10/27/2023 | |
| 4-Methyl-2-pentanone | * | 0.0250 | | 0.106 | 0.125 | 0 | 84.5 | 0.107 | 1.14 | 10/27/2023 | |
| Acetone | * | 0.0250 | | 0.106 | 0.125 | 0 | 85.0 | 0.107 | 0.84 | 10/27/2023 | |
| Acrolein | * | 0.0500 | | 0.311 | 0.500 | 0 | 62.2 | 0.316 | 1.67 | 10/27/2023 | |
| Acrylonitrile | * | 0.0050 | | 0.0420 | 0.0500 | 0 | 83.9 | 0.0422 | 0.71 | 10/27/2023 | |
| Allyl chloride | * | 0.0020 | | 0.0522 | 0.0500 | 0 | 104.4 | 0.0552 | 5.55 | 10/27/2023 | |
| Benzene | * | 0.0010 | | 0.0483 | 0.0500 | 0 | 96.7 | 0.0499 | 3.26 | 10/27/2023 | |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

| Batch | SampType: | Units mg/Kg | | RPD Limit | | | | | | |
|--------------------------|-----------|-------------|------|---------------|--------|-------------|-------|-------------|-------|---------------|
| 213880 | LCSD | | | 20 | | | | | | |
| SampID: LCSD-AN231027A-1 | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed |
| Bromobenzene | * | 0.0020 | | 0.0606 | 0.0500 | 0 | 121.2 | 0.0623 | 2.78 | 10/27/2023 |
| Bromochloromethane | * | 0.0020 | | 0.0397 | 0.0500 | 0 | 79.4 | 0.0408 | 2.68 | 10/27/2023 |
| Bromodichloromethane | * | 0.0020 | | 0.0561 | 0.0500 | 0 | 112.2 | 0.0578 | 2.88 | 10/27/2023 |
| Bromoform | * | 0.0050 | S | 0.0593 | 0.0500 | 0 | 118.7 | 0.0604 | 1.85 | 10/27/2023 |
| Bromomethane | * | 0.0100 | | 0.0501 | 0.0500 | 0 | 100.1 | 0.0545 | 8.44 | 10/27/2023 |
| Carbon disulfide | * | 0.0020 | | 0.0533 | 0.0500 | 0 | 106.6 | 0.0539 | 1.18 | 10/27/2023 |
| Carbon tetrachloride | * | 0.0020 | | 0.0616 | 0.0500 | 0 | 123.2 | 0.0640 | 3.90 | 10/27/2023 |
| Chlorobenzene | * | 0.0020 | | 0.0563 | 0.0500 | 0 | 112.6 | 0.0579 | 2.80 | 10/27/2023 |
| Chloroethane | * | 0.0100 | R | 0.0442 | 0.0500 | 0 | 88.4 | 0.0340 | 26.19 | 10/27/2023 |
| Chloroform | * | 0.0020 | | 0.0538 | 0.0500 | 0 | 107.6 | 0.0556 | 3.22 | 10/27/2023 |
| Chloromethane | * | 0.0100 | | 0.0358 | 0.0500 | 0 | 71.6 | 0.0370 | 3.30 | 10/27/2023 |
| cis-1,2-Dichloroethene | * | 0.0020 | | 0.0550 | 0.0500 | 0 | 110.0 | 0.0566 | 2.80 | 10/27/2023 |
| cis-1,3-Dichloropropene | * | 0.0020 | | 0.0530 | 0.0500 | 0 | 105.9 | 0.0549 | 3.56 | 10/27/2023 |
| Cyclohexanone | * | 0.0500 | | 0.383 | 0.500 | 0 | 76.5 | 0.372 | 2.88 | 10/27/2023 |
| Dibromochloromethane | * | 0.0020 | | 0.0574 | 0.0500 | 0 | 114.8 | 0.0590 | 2.72 | 10/27/2023 |
| Dibromomethane | * | 0.0020 | | 0.0542 | 0.0500 | 0 | 108.3 | 0.0554 | 2.32 | 10/27/2023 |
| Dichlorodifluoromethane | * | 0.0100 | | 0.0459 | 0.0500 | 0 | 91.9 | 0.0470 | 2.30 | 10/27/2023 |
| Ethyl ether | * | 0.0020 | | 0.0424 | 0.0500 | 0 | 84.9 | 0.0436 | 2.60 | 10/27/2023 |
| Ethyl methacrylate | * | 0.0020 | | 0.0498 | 0.0500 | 0 | 99.5 | 0.0501 | 0.62 | 10/27/2023 |
| Ethylbenzene | * | 0.0020 | | 0.0525 | 0.0500 | 0 | 105.1 | 0.0540 | 2.72 | 10/27/2023 |
| Hexachlorobutadiene | * | 0.0020 | | 0.0719 | 0.0500 | 0 | 143.8 | 0.0735 | 2.15 | 10/27/2023 |
| Hexachloroethane | * | 0.0020 | | 0.0489 | 0.0500 | 0 | 97.8 | 0.0498 | 1.86 | 10/27/2023 |
| Iodomethane | * | 0.0100 | | 0.0564 | 0.0500 | 0 | 112.9 | 0.0579 | 2.55 | 10/27/2023 |
| Isopropylbenzene | * | 0.0020 | | 0.0571 | 0.0500 | 0 | 114.1 | 0.0586 | 2.63 | 10/27/2023 |
| m,p-Xylenes | * | 0.0040 | | 0.109 | 0.100 | 0 | 109.3 | 0.113 | 3.05 | 10/27/2023 |
| Methacrylonitrile | * | 0.0050 | | 0.0474 | 0.0500 | 0 | 94.8 | 0.0478 | 0.95 | 10/27/2023 |
| Methyl Methacrylate | * | 0.0050 | | 0.0403 | 0.0500 | 0 | 80.7 | 0.0408 | 1.26 | 10/27/2023 |
| Methyl tert-butyl ether | * | 0.0020 | | 0.0539 | 0.0500 | 0 | 107.8 | 0.0550 | 2.07 | 10/27/2023 |
| Methylacrylate | * | 0.0050 | | 0.0549 | 0.0500 | 0 | 109.8 | 0.0556 | 1.30 | 10/27/2023 |
| Methylene chloride | * | 0.0100 | | 0.0394 | 0.0500 | 0 | 78.7 | 0.0405 | 2.81 | 10/27/2023 |
| Naphthalene | * | 0.0050 | | 0.0619 | 0.0500 | 0 | 123.9 | 0.0632 | 2.09 | 10/27/2023 |
| n-Butylbenzene | * | 0.0020 | | 0.0499 | 0.0500 | 0 | 99.9 | 0.0515 | 3.04 | 10/27/2023 |
| n-Heptane | * | 0.0200 | | 0.0402 | 0.0500 | 0 | 80.3 | 0.0407 | 1.38 | 10/27/2023 |
| n-Hexane | * | 0.0200 | | 0.0386 | 0.0500 | 0 | 77.2 | 0.0386 | 0.05 | 10/27/2023 |
| Nitrobenzene | * | 0.0500 | | 0.555 | 0.500 | 0 | 110.9 | 0.543 | 2.02 | 10/27/2023 |
| n-Propylbenzene | * | 0.0020 | | 0.0505 | 0.0500 | 0 | 101.0 | 0.0524 | 3.58 | 10/27/2023 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

| Batch 213880 | | SampType: LCSD | | Units mg/Kg | | | | RPD Limit 20 | | | |
|-----------------------------|------|----------------|------|-------------|--------|-------------|-------|--------------|------|---------------|--|
| SampID: LCSD-AN231027A-1 | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed | |
| o-Xylene | * | 0.0040 | | 0.0547 | 0.0500 | 0 | 109.3 | 0.0563 | 2.90 | 10/27/2023 | |
| Pentachloroethane | * | 0.0050 | | 0.0657 | 0.0500 | 0 | 131.3 | 0.0673 | 2.41 | 10/27/2023 | |
| p-Isopropyltoluene | * | 0.0020 | | 0.0556 | 0.0500 | 0 | 111.2 | 0.0568 | 2.06 | 10/27/2023 | |
| Propionitrile | * | 0.0500 | | 0.419 | 0.500 | 0 | 83.9 | 0.420 | 0.05 | 10/27/2023 | |
| sec-Butylbenzene | * | 0.0020 | | 0.0549 | 0.0500 | 0 | 109.8 | 0.0564 | 2.57 | 10/27/2023 | |
| Styrene | * | 0.0020 | | 0.0581 | 0.0500 | 0 | 116.2 | 0.0596 | 2.67 | 10/27/2023 | |
| tert-Butylbenzene | * | 0.0020 | | 0.0523 | 0.0500 | 0 | 104.7 | 0.0538 | 2.66 | 10/27/2023 | |
| Tetrachloroethene | * | 0.0020 | | 0.0658 | 0.0500 | 0 | 131.7 | 0.0686 | 4.05 | 10/27/2023 | |
| Tetrahydrofuran | * | 0.0100 | | 0.0343 | 0.0500 | 0 | 68.7 | 0.0345 | 0.41 | 10/27/2023 | |
| Toluene | * | 0.0020 | | 0.0530 | 0.0500 | 0 | 106.1 | 0.0550 | 3.63 | 10/27/2023 | |
| trans-1,2-Dichloroethene | * | 0.0020 | | 0.0458 | 0.0500 | 0 | 91.6 | 0.0476 | 3.79 | 10/27/2023 | |
| trans-1,3-Dichloropropene | * | 0.0020 | | 0.0541 | 0.0500 | 0 | 108.2 | 0.0551 | 1.78 | 10/27/2023 | |
| Trichloroethene | * | 0.0020 | | 0.0533 | 0.0500 | 0 | 106.6 | 0.0549 | 2.96 | 10/27/2023 | |
| Trichlorofluoromethane | * | 0.0050 | | 0.0626 | 0.0500 | 0 | 125.2 | 0.0649 | 3.64 | 10/27/2023 | |
| Vinyl acetate | * | 0.0500 | | 0.0545 | 0.0500 | 0 | 109.1 | 0.0551 | 1.08 | 10/27/2023 | |
| Vinyl chloride | * | 0.0020 | | 0.0475 | 0.0500 | 0 | 94.9 | 0.0496 | 4.43 | 10/27/2023 | |
| Surr: 1,2-Dichloroethane-d4 | * | | | 46.0 | 50.00 | | 92.1 | | | 10/27/2023 | |
| Surr: 4-Bromofluorobenzene | * | | | 43.0 | 50.00 | | 85.9 | | | 10/27/2023 | |
| Surr: Dibromofluoromethane | * | | | 52.5 | 50.00 | | 105.0 | | | 10/27/2023 | |
| Surr: Toluene-d8 | * | | | 48.5 | 50.00 | | 96.9 | | | 10/27/2023 | |

| Batch 213880 | | SampType: LCSG | | Units %REC | | | | | | Date Analyzed |
|-----------------------------|------|----------------|------|------------|-------|-------------|-------|-----------|------------|---------------|
| SampID: LCSG-AN231027A-1 | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| Surr: 1,2-Dichloroethane-d4 | * | | | 46.5 | 50.00 | | 93.1 | 80 | 120 | 10/27/2023 |
| Surr: 4-Bromofluorobenzene | * | | | 42.4 | 50.00 | | 84.9 | 80 | 120 | 10/27/2023 |
| Surr: Dibromofluoromethane | * | | | 51.6 | 50.00 | | 103.1 | 80 | 120 | 10/27/2023 |
| Surr: Toluene-d8 | * | | | 48.6 | 50.00 | | 97.1 | 80 | 120 | 10/27/2023 |

| Batch 213880 | | SampType: LCSGD | | Units %REC | | | | RPD Limit 0 | | Date Analyzed |
|-----------------------------|------|-----------------|------|------------|-------|-------------|-------|-------------|------|---------------|
| SampID: LCSGD-AN231027A-1 | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed |
| Surr: 1,2-Dichloroethane-d4 | * | | | 45.8 | 50.00 | | 91.5 | | | 10/27/2023 |
| Surr: 4-Bromofluorobenzene | * | | | 42.5 | 50.00 | | 84.9 | | | 10/27/2023 |
| Surr: Dibromofluoromethane | * | | | 51.5 | 50.00 | | 102.9 | | | 10/27/2023 |
| Surr: Toluene-d8 | * | | | 48.6 | 50.00 | | 97.1 | | | 10/27/2023 |

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

| Batch 213963 | | SampType: MBLK | | Units mg/L | | | | | | |
|-----------------------------|------|----------------|------|------------|-------|-------------|-------|-----------|------------|---------------|
| SampID: MBLK-AE231030A-1 | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| 1,1-Dichloroethene | * | 0.0020 | | ND | | | | | | 10/30/2023 |
| 1,2-Dichloroethane | * | 0.0020 | | ND | | | | | | 10/30/2023 |
| 1,4-Dichlorobenzene | * | 0.0020 | | ND | | | | | | 10/30/2023 |
| 2-Butanone | * | 0.0100 | | ND | | | | | | 10/30/2023 |
| Benzene | * | 0.0005 | | ND | | | | | | 10/30/2023 |
| Carbon tetrachloride | * | 0.0020 | | ND | | | | | | 10/30/2023 |
| Chlorobenzene | * | 0.0020 | | ND | | | | | | 10/30/2023 |
| Chloroform | * | 0.0020 | | ND | | | | | | 10/30/2023 |
| Tetrachloroethene | * | 0.0005 | | ND | | | | | | 10/30/2023 |
| Trichloroethene | * | 0.0020 | | ND | | | | | | 10/30/2023 |
| Vinyl chloride | * | 0.0020 | | ND | | | | | | 10/30/2023 |
| Surr: 1,2-Dichloroethane-d4 | * | | | 49.6 | 50.00 | | 99.1 | 80 | 120 | 10/30/2023 |
| Surr: 4-Bromofluorobenzene | * | | | 49.6 | 50.00 | | 99.2 | 80 | 120 | 10/30/2023 |
| Surr: Dibromofluoromethane | * | | | 51.2 | 50.00 | | 102.5 | 80 | 120 | 10/30/2023 |
| Surr: Toluene-d8 | * | | | 51.0 | 50.00 | | 102.0 | 80 | 120 | 10/30/2023 |

| Batch 213963 | | SampType: LCS | | Units mg/L | | | | | | |
|-----------------------------|------|---------------|------|------------|--------|-------------|-------|-----------|------------|---------------|
| SampID: LCS-AE231030A-1 | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| 1,1-Dichloroethene | * | 0.0020 | | 0.0517 | 0.0500 | 0 | 103.4 | 75.2 | 126 | 10/30/2023 |
| 1,2-Dichloroethane | * | 0.0020 | | 0.0528 | 0.0500 | 0 | 105.7 | 73.5 | 124 | 10/30/2023 |
| 1,4-Dichlorobenzene | * | 0.0020 | | 0.0511 | 0.0500 | 0 | 102.2 | 77.9 | 118 | 10/30/2023 |
| 2-Butanone | * | 0.0100 | | 0.140 | 0.125 | 0 | 112.3 | 70.3 | 132 | 10/30/2023 |
| Benzene | * | 0.0005 | | 0.0530 | 0.0500 | 0 | 105.9 | 80 | 121 | 10/30/2023 |
| Carbon tetrachloride | * | 0.0020 | | 0.0526 | 0.0500 | 0 | 105.2 | 71.2 | 138 | 10/30/2023 |
| Chlorobenzene | * | 0.0020 | | 0.0530 | 0.0500 | 0 | 106.0 | 81.6 | 115 | 10/30/2023 |
| Chloroform | * | 0.0020 | | 0.0516 | 0.0500 | 0 | 103.1 | 78 | 126 | 10/30/2023 |
| Tetrachloroethene | * | 0.0005 | | 0.0502 | 0.0500 | 0 | 100.3 | 66.7 | 125 | 10/30/2023 |
| Trichloroethene | * | 0.0020 | | 0.0536 | 0.0500 | 0 | 107.2 | 78.2 | 128 | 10/30/2023 |
| Vinyl chloride | * | 0.0020 | | 0.0524 | 0.0500 | 0 | 104.9 | 66.7 | 141 | 10/30/2023 |
| Surr: 1,2-Dichloroethane-d4 | * | | | 48.9 | 50.00 | | 97.8 | 80 | 120 | 10/30/2023 |
| Surr: 4-Bromofluorobenzene | * | | | 50.0 | 50.00 | | 100.1 | 80 | 120 | 10/30/2023 |
| Surr: Dibromofluoromethane | * | | | 50.6 | 50.00 | | 101.3 | 80 | 120 | 10/30/2023 |
| Surr: Toluene-d8 | * | | | 50.4 | 50.00 | | 100.8 | 80 | 120 | 10/30/2023 |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

| Batch 213963 | | SampType: LCSD | | Units mg/L | | | | RPD Limit 20 | | | Date Analyzed |
|-----------------------------|------|----------------|------|---------------|--------|-------------|-------|--------------|------|---------------|---------------|
| SampID: LCSD-AE231030A-1 | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed | |
| 1,1-Dichloroethene | * | 0.0020 | | 0.0496 | 0.0500 | 0 | 99.2 | 0.0517 | 4.17 | 10/30/2023 | |
| 1,2-Dichloroethane | * | 0.0020 | | 0.0517 | 0.0500 | 0 | 103.4 | 0.0528 | 2.18 | 10/30/2023 | |
| 1,4-Dichlorobenzene | * | 0.0020 | | 0.0502 | 0.0500 | 0 | 100.5 | 0.0511 | 1.76 | 10/30/2023 | |
| 2-Butanone | * | 0.0100 | | 0.145 | 0.125 | 0 | 115.7 | 0.140 | 3.00 | 10/30/2023 | |
| Benzene | * | 0.0005 | | 0.0510 | 0.0500 | 0 | 102.0 | 0.0530 | 3.79 | 10/30/2023 | |
| Carbon tetrachloride | * | 0.0020 | | 0.0498 | 0.0500 | 0 | 99.6 | 0.0526 | 5.47 | 10/30/2023 | |
| Chlorobenzene | * | 0.0020 | | 0.0506 | 0.0500 | 0 | 101.1 | 0.0530 | 4.65 | 10/30/2023 | |
| Chloroform | * | 0.0020 | | 0.0500 | 0.0500 | 0 | 99.9 | 0.0516 | 3.19 | 10/30/2023 | |
| Tetrachloroethene | * | 0.0005 | | 0.0479 | 0.0500 | 0 | 95.9 | 0.0502 | 4.55 | 10/30/2023 | |
| Trichloroethene | * | 0.0020 | | 0.0510 | 0.0500 | 0 | 102.0 | 0.0536 | 5.03 | 10/30/2023 | |
| Vinyl chloride | * | 0.0020 | | 0.0492 | 0.0500 | 0 | 98.3 | 0.0524 | 6.48 | 10/30/2023 | |
| Surr: 1,2-Dichloroethane-d4 | * | | | 49.3 | 50.00 | | 98.6 | | | 10/30/2023 | |
| Surr: 4-Bromofluorobenzene | * | | | 50.6 | 50.00 | | 101.3 | | | 10/30/2023 | |
| Surr: Dibromofluoromethane | * | | | 51.2 | 50.00 | | 102.5 | | | 10/30/2023 | |
| Surr: Toluene-d8 | * | | | 50.4 | 50.00 | | 100.7 | | | 10/30/2023 | |

| Batch 213963 | | SampType: LCS | | Units mg/L | | | | RPD Limit 20 | | | Date Analyzed |
|-----------------------------|------|---------------|------|---------------|--------|-------------|-------|--------------|------------|---------------|---------------|
| SampID: QCS-AE231030A-1 | | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed | |
| 1,1-Dichloroethene | | 0.0020 | | 0.0517 | 0.0500 | 0 | 103.4 | 50 | 150 | 10/30/2023 | |
| 1,2-Dichloroethane | | 0.0020 | | 0.0528 | 0.0500 | 0 | 105.7 | 70 | 130 | 10/30/2023 | |
| 1,4-Dichlorobenzene | | 0.0020 | | 0.0511 | 0.0500 | 0 | 102.2 | 65 | 135 | 10/30/2023 | |
| 2-Butanone | * | 0.0100 | | 0.140 | 0.125 | 0 | 112.3 | 60 | 140 | 10/30/2023 | |
| Benzene | | 0.0005 | | 0.0530 | 0.0500 | 0 | 105.9 | 65 | 135 | 10/30/2023 | |
| Carbon tetrachloride | | 0.0020 | | 0.0526 | 0.0500 | 0 | 105.2 | 70 | 130 | 10/30/2023 | |
| Chlorobenzene | | 0.0020 | | 0.0530 | 0.0500 | 0 | 106.0 | 65 | 135 | 10/30/2023 | |
| Chloroform | | 0.0020 | | 0.0516 | 0.0500 | 0 | 103.1 | 70 | 135 | 10/30/2023 | |
| Tetrachloroethene | | 0.0005 | | 0.0502 | 0.0500 | 0 | 100.3 | 70 | 130 | 10/30/2023 | |
| Trichloroethene | | 0.0020 | | 0.0536 | 0.0500 | 0 | 107.2 | 65 | 135 | 10/30/2023 | |
| Vinyl chloride | | 0.0020 | | 0.0524 | 0.0500 | 0 | 104.9 | 5 | 195 | 10/30/2023 | |
| Surr: 1,2-Dichloroethane-d4 | * | | | 48.9 | 50.00 | | 97.8 | 80 | 120 | 10/30/2023 | |
| Surr: 4-Bromofluorobenzene | * | | | 50.0 | 50.00 | | 100.1 | 80 | 120 | 10/30/2023 | |
| Surr: Dibromofluoromethane | * | | | 50.6 | 50.00 | | 101.3 | 80 | 120 | 10/30/2023 | |
| Surr: Toluene-d8 | * | | | 50.4 | 50.00 | | 100.8 | 80 | 120 | 10/30/2023 | |



Quality Control Results

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

| Batch 213963 | | SampType: LCSD | | Units mg/L | | | | RPD Limit 40 | | |
|-----------------------------|------|----------------|------|---------------|--------|-------------|-------|--------------|------|---------------|
| SampID: QCSD-AE231030A-1 | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | RPD Ref Val | %RPD | Date Analyzed |
| 1,1-Dichloroethene | | 0.0020 | | 0.0496 | 0.0500 | 0 | 99.2 | 0.0517 | 4.17 | 10/30/2023 |
| 1,2-Dichloroethane | | 0.0020 | | 0.0517 | 0.0500 | 0 | 103.4 | 0.0528 | 2.18 | 10/30/2023 |
| 1,4-Dichlorobenzene | | 0.0020 | | 0.0502 | 0.0500 | 0 | 100.5 | 0.0511 | 1.76 | 10/30/2023 |
| 2-Butanone | * | 0.0100 | | 0.145 | 0.125 | 0 | 115.7 | 0.140 | 3.00 | 10/30/2023 |
| Benzene | | 0.0005 | | 0.0510 | 0.0500 | 0 | 102.0 | 0.0530 | 3.79 | 10/30/2023 |
| Carbon tetrachloride | | 0.0020 | | 0.0498 | 0.0500 | 0 | 99.6 | 0.0526 | 5.47 | 10/30/2023 |
| Chlorobenzene | | 0.0020 | | 0.0506 | 0.0500 | 0 | 101.1 | 0.0530 | 4.65 | 10/30/2023 |
| Chloroform | | 0.0020 | | 0.0500 | 0.0500 | 0 | 99.9 | 0.0516 | 3.19 | 10/30/2023 |
| Tetrachloroethene | | 0.0005 | | 0.0479 | 0.0500 | 0 | 95.9 | 0.0502 | 4.55 | 10/30/2023 |
| Trichloroethene | | 0.0020 | | 0.0510 | 0.0500 | 0 | 102.0 | 0.0536 | 5.03 | 10/30/2023 |
| Vinyl chloride | | 0.0020 | | 0.0492 | 0.0500 | 0 | 98.3 | 0.0524 | 6.48 | 10/30/2023 |
| Surr: 1,2-Dichloroethane-d4 | * | | | 49.3 | 50.00 | | 98.6 | | | 10/30/2023 |
| Surr: 4-Bromofluorobenzene | * | | | 50.6 | 50.00 | | 101.3 | | | 10/30/2023 |
| Surr: Dibromofluoromethane | * | | | 51.2 | 50.00 | | 102.5 | | | 10/30/2023 |
| Surr: Toluene-d8 | * | | | 50.4 | 50.00 | | 100.7 | | | 10/30/2023 |

| Batch 213963 | | SampType: MS | | Units mg/L | | | | | | |
|-----------------------------|------|--------------|------|--------------|-------|-------------|-------|-----------|------------|---------------|
| SampID: 23102240-001FMS | | | | | | | | | | |
| Analyses | Cert | RL | Qual | Result | Spike | SPK Ref Val | %REC | Low Limit | High Limit | Date Analyzed |
| 1,1-Dichloroethene | | 0.0200 | | 0.580 | 0.500 | 0 | 116.0 | 1 | 234 | 10/30/2023 |
| 1,2-Dichloroethane | | 0.0200 | | 0.561 | 0.500 | 0 | 112.2 | 49 | 155 | 10/30/2023 |
| 1,4-Dichlorobenzene | | 0.0200 | | 0.547 | 0.500 | 0 | 109.4 | 18 | 190 | 10/30/2023 |
| 2-Butanone | * | 0.100 | | 1.60 | 1.25 | 0.0812 | 121.9 | 40 | 160 | 10/30/2023 |
| Benzene | | 0.0050 | | 0.716 | 0.500 | 0.133 | 116.7 | 37 | 151 | 10/30/2023 |
| Carbon tetrachloride | | 0.0200 | | 0.571 | 0.500 | 0 | 114.2 | 70 | 140 | 10/30/2023 |
| Chlorobenzene | | 0.0200 | | 0.566 | 0.500 | 0 | 113.2 | 37 | 160 | 10/30/2023 |
| Chloroform | | 0.0200 | | 0.561 | 0.500 | 0 | 112.2 | 51 | 138 | 10/30/2023 |
| Tetrachloroethene | | 0.0050 | | 0.548 | 0.500 | 0 | 109.7 | 64 | 148 | 10/30/2023 |
| Trichloroethene | | 0.0200 | | 0.593 | 0.500 | 0 | 118.6 | 70 | 157 | 10/30/2023 |
| Vinyl chloride | | 0.0200 | | 0.513 | 0.500 | 0 | 102.6 | 1 | 251 | 10/30/2023 |
| Surr: 1,2-Dichloroethane-d4 | * | | | 482 | 500.0 | | 96.3 | 80 | 120 | 10/30/2023 |
| Surr: 4-Bromofluorobenzene | * | | | 498 | 500.0 | | 99.5 | 80 | 120 | 10/30/2023 |
| Surr: Dibromofluoromethane | * | | | 515 | 500.0 | | 102.9 | 80 | 120 | 10/30/2023 |
| Surr: Toluene-d8 | * | | | 500 | 500.0 | | 100.0 | 80 | 120 | 10/30/2023 |



Receiving Check List

<http://www.teklabinc.com/>

Client: Terracon

Work Order: 23102157

Client Project: 15237402

Report Date: 02-Nov-23

Carrier: Jennifer Markfort

Received By: HAW

Completed by:

Amber Dilallo

Reviewed by:

Ellie Hopkins

On:

26-Oct-23

Amber Dilallo

On:

26-Oct-23

Ellie Hopkins

Pages to follow:

Chain of custody

Extra pages included

- | | | | | | |
|---|---|---|--------------------------------------|-------------------------------------|--------------------------|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | Temp °C | 17.2 |
| Type of thermal preservation? | None <input type="checkbox"/> | Ice <input checked="" type="checkbox"/> | Blue Ice <input type="checkbox"/> | Dry Ice | <input type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Reported field parameters measured: | Field <input type="checkbox"/> | Lab <input type="checkbox"/> | NA | <input checked="" type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

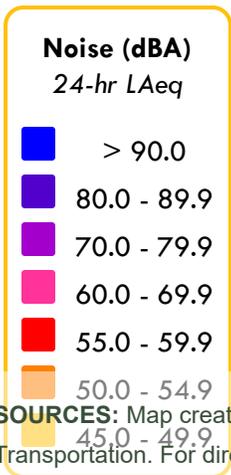
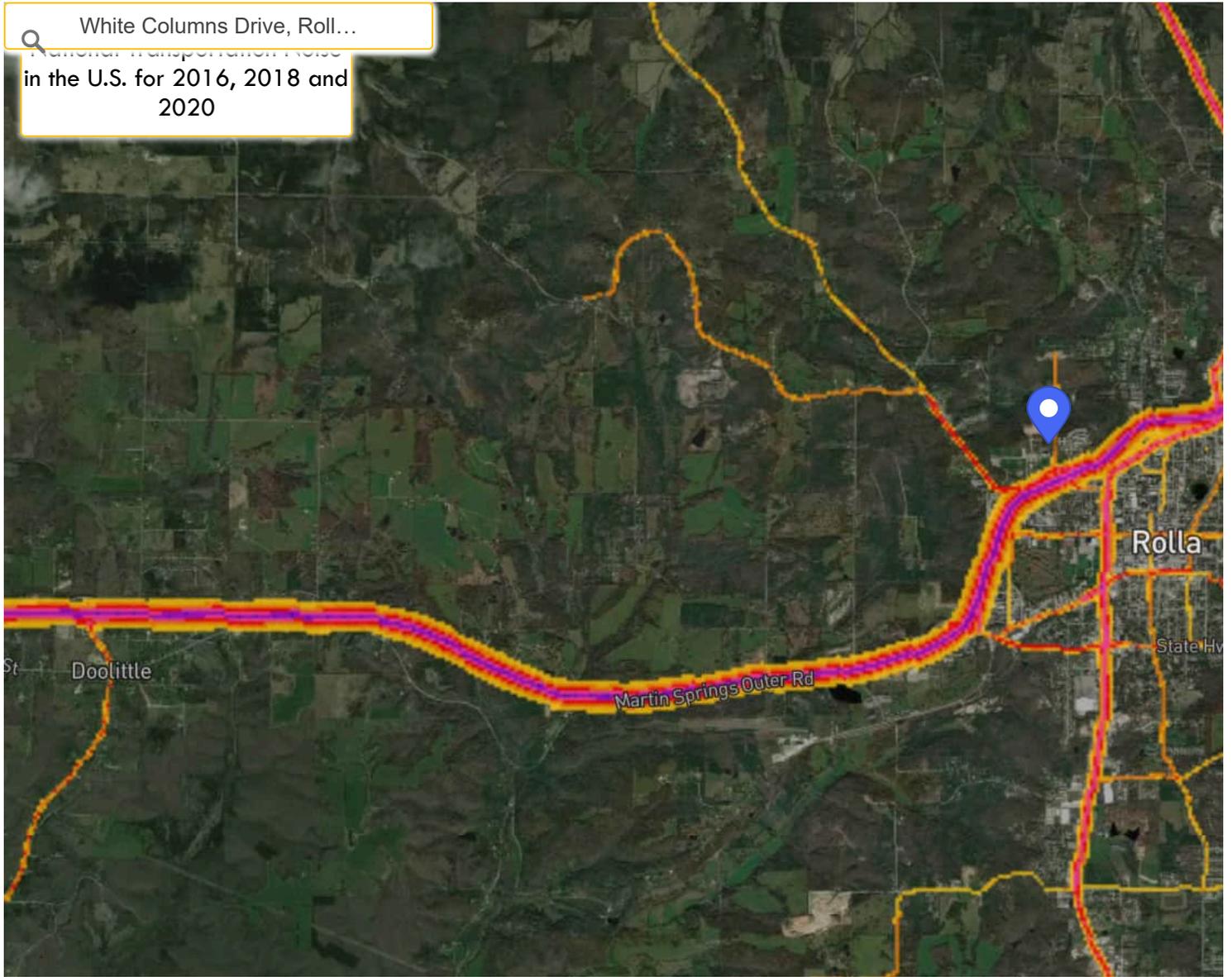
- | | | | | |
|---|------------------------------|-----------------------------|-------------------|-------------------------------------|
| Water – at least one vial per sample has zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials | <input checked="" type="checkbox"/> |
| Water - TOX containers have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No TOX containers | <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA | <input checked="" type="checkbox"/> |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA | <input checked="" type="checkbox"/> |

Any No responses must be detailed below or on the COC.

Samples requiring pH should be analyzed as soon as possible after collection. Samples submitted for pH analysis are analyzed as soon as practicable upon arrival at the laboratory. - amberdilallo - 10/26/2023 3:52:16 PM

National Transportation Map

White Columns Drive, Roll...
National Transportation Noise
in the U.S. for 2016, 2018 and
2020



SOURCES: Map created by the Office of Spatial Analysis and Visualization at the Bureau of Transportation Statistics, U.S. Department of Transportation. For direct data downloads and documentation, please visit the National Transportation Noise Map [home page](#).

Environmental Justice Screen Community Report and Climate Screening Tool



EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

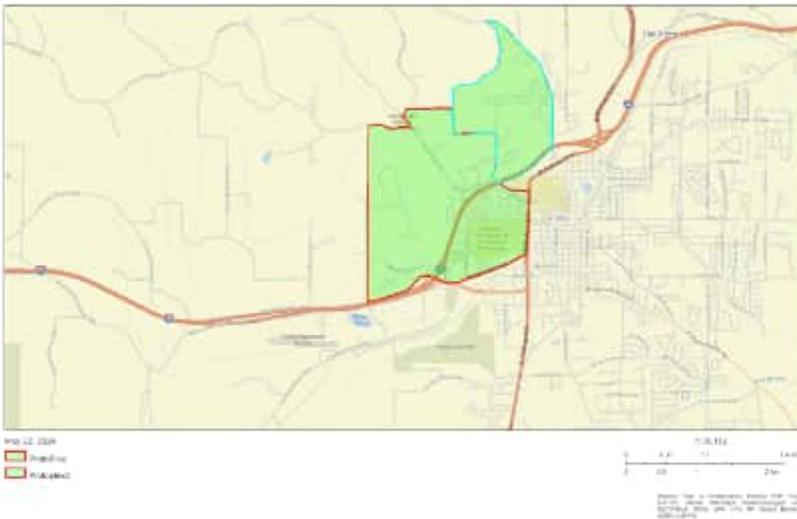
Rolla, MO

Blockgroup: 291618904014

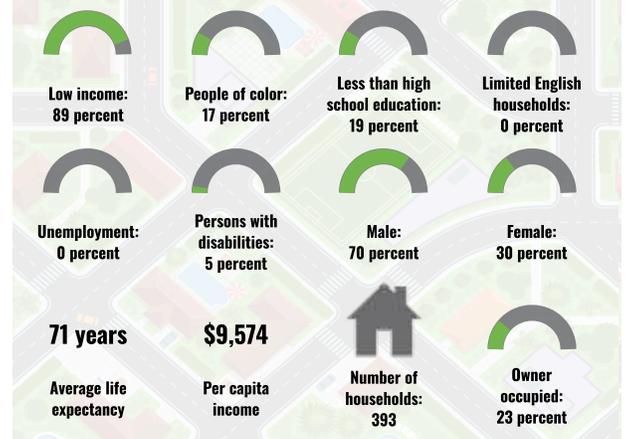
Population: 1,435

Area in square miles: 0.70

A3 Landscape



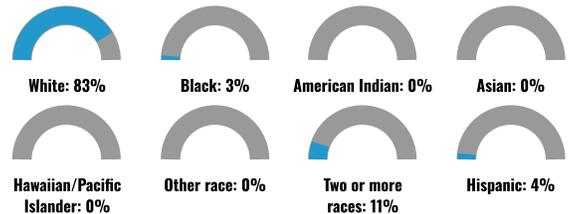
COMMUNITY INFORMATION



LANGUAGES SPOKEN AT HOME

| LANGUAGE | PERCENT |
|---|---------|
| English | 88% |
| French, Haitian, or Cajun | 3% |
| Other Indo-European | 2% |
| Chinese (including Mandarin, Cantonese) | 1% |
| Vietnamese | 2% |
| Other Asian and Pacific Island | 2% |
| Arabic | 1% |
| Other and Unspecified | 1% |
| Total Non-English | 12% |

BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

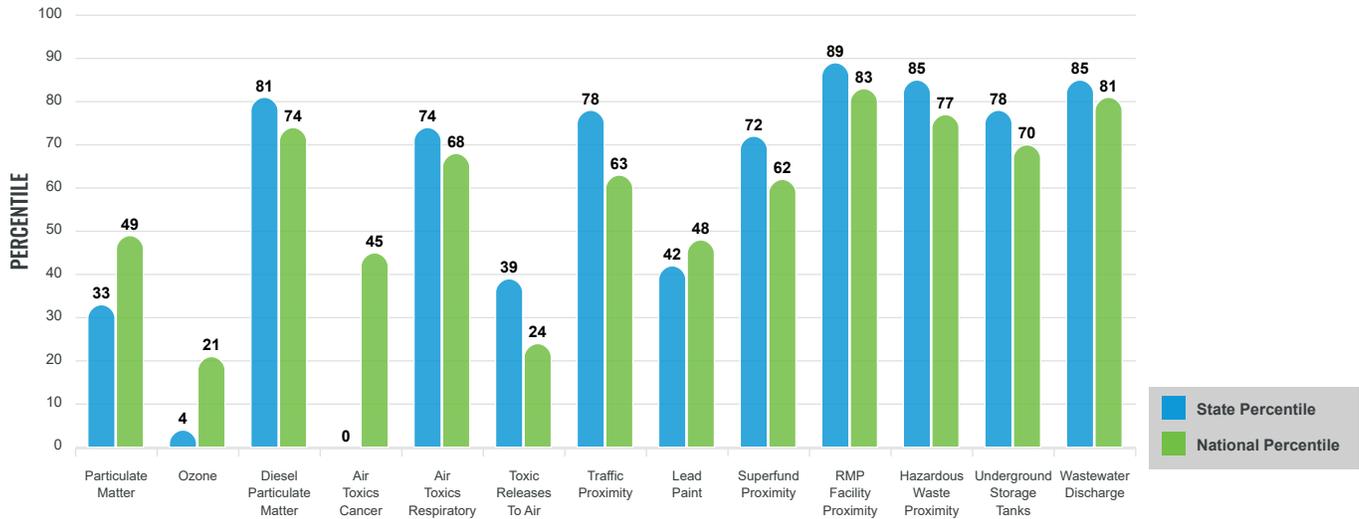
Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

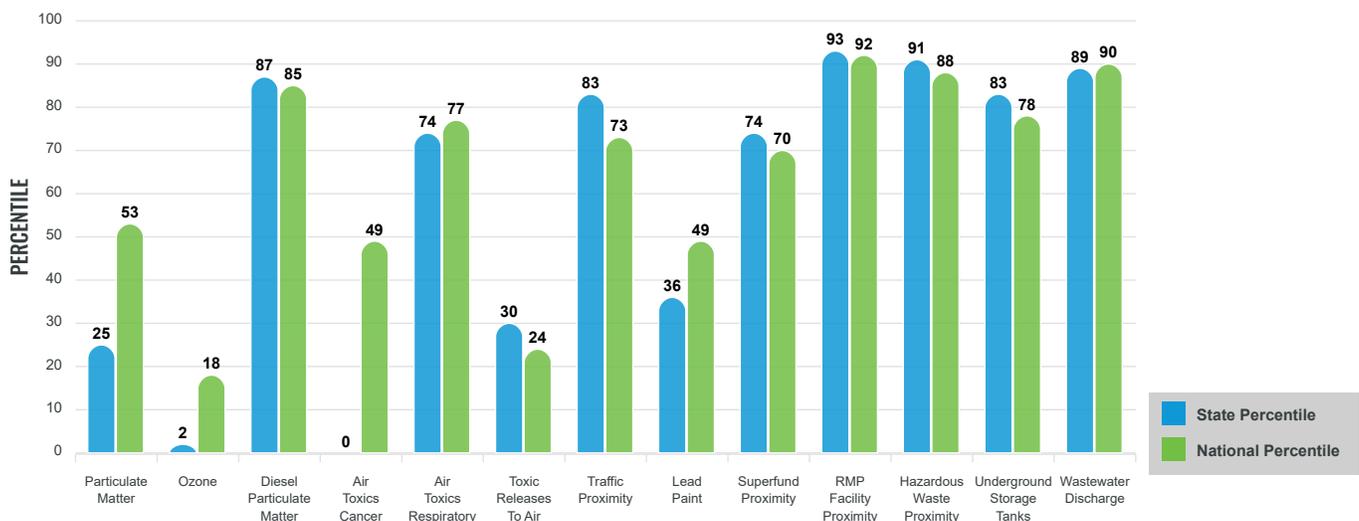
EJ INDEXES FOR THE SELECTED LOCATION



SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for Blockgroup: 291618904014

EJScreen Environmental and Socioeconomic Indicators Data

| SELECTED VARIABLES | VALUE | STATE AVERAGE | PERCENTILE IN STATE | USA AVERAGE | PERCENTILE IN USA |
|---|--------|---------------|---------------------|-------------|-------------------|
| POLLUTION AND SOURCES | | | | | |
| Particulate Matter (µg/m ³) | 7.11 | 8.05 | 10 | 8.08 | 22 |
| Ozone (ppb) | 54.1 | 59.9 | 1 | 61.6 | 7 |
| Diesel Particulate Matter (µg/m ³) | 0.228 | 0.268 | 50 | 0.261 | 52 |
| Air Toxics Cancer Risk* (lifetime risk per million) | 20 | 25 | 0 | 25 | 5 |
| Air Toxics Respiratory HI* | 0.3 | 0.31 | 14 | 0.31 | 31 |
| Toxic Releases to Air | 11 | 4,500 | 11 | 4,600 | 9 |
| Traffic Proximity (daily traffic count/distance to road) | 45 | 110 | 47 | 210 | 38 |
| Lead Paint (% Pre-1960 Housing) | 0.03 | 0.31 | 15 | 0.3 | 21 |
| Superfund Proximity (site count/km distance) | 0.034 | 0.097 | 33 | 0.13 | 32 |
| RMP Facility Proximity (facility count/km distance) | 0.4 | 0.45 | 68 | 0.43 | 72 |
| Hazardous Waste Proximity (facility count/km distance) | 0.97 | 1.3 | 61 | 1.9 | 60 |
| Underground Storage Tanks (count/km ²) | 0.74 | 2 | 49 | 3.9 | 44 |
| Wastewater Discharge (toxicity-weighted concentration/m distance) | 0.0049 | 0.49 | 53 | 22 | 61 |
| SOCIOECONOMIC INDICATORS | | | | | |
| Demographic Index | 53% | 28% | 88 | 35% | 77 |
| Supplemental Demographic Index | 27% | 14% | 96 | 14% | 91 |
| People of Color | 17% | 23% | 59 | 39% | 34 |
| Low Income | 89% | 33% | 99 | 31% | 99 |
| Unemployment Rate | 0% | 5% | 0 | 6% | 0 |
| Limited English Speaking Households | 0% | 1% | 0 | 5% | 0 |
| Less Than High School Education | 19% | 10% | 86 | 12% | 80 |
| Under Age 5 | 9% | 6% | 78 | 6% | 80 |
| Over Age 64 | 3% | 18% | 4 | 17% | 6 |
| Low Life Expectancy | 27% | 21% | 92 | 20% | 96 |

* Diesel particulate matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: <https://www.epa.gov/haps/air-toxics-data-update>.

Sites reporting to EPA within defined area:

| | |
|--|---|
| Superfund | 0 |
| Hazardous Waste, Treatment, Storage, and Disposal Facilities | 0 |
| Water Dischargers | 4 |
| Air Pollution | 1 |
| Brownfields | 0 |
| Toxic Release Inventory | 0 |

Other community features within defined area:

| | |
|-------------------------|---|
| Schools | 0 |
| Hospitals | 0 |
| Places of Worship | 0 |

Other environmental data:

| | |
|--------------------------|----|
| Air Non-attainment | No |
| Impaired Waters | No |

| | |
|--|-----|
| Selected location contains American Indian Reservation Lands* | No |
| Selected location contains a "Justice40 (CEJST)" disadvantaged community | Yes |
| Selected location contains an EPA IRA disadvantaged community | Yes |

Report for Blockgroup: 291618904014

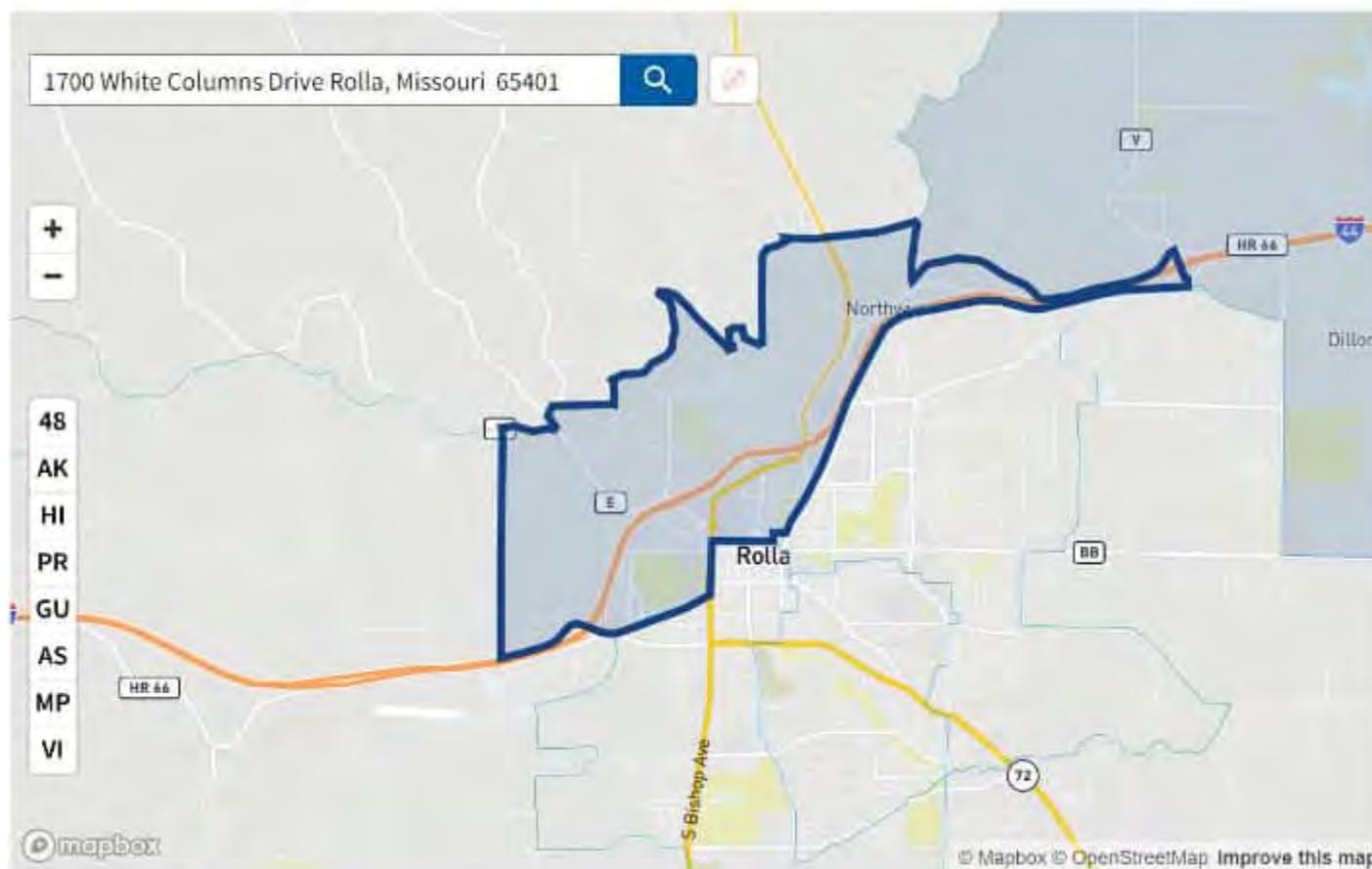
EJScreen Environmental and Socioeconomic Indicators Data

| HEALTH INDICATORS | | | | | |
|---------------------------|-------|---------------|------------------|------------|---------------|
| INDICATOR | VALUE | STATE AVERAGE | STATE PERCENTILE | US AVERAGE | US PERCENTILE |
| Low Life Expectancy | 27% | 21% | 92 | 20% | 96 |
| Heart Disease | 3.8 | 6.9 | 3 | 6.1 | 9 |
| Asthma | 10.4 | 9.9 | 76 | 10 | 66 |
| Cancer | 2.6 | 6.6 | 1 | 6.1 | 1 |
| Persons with Disabilities | 9% | 15.1% | 15 | 13.4% | 25 |

| CLIMATE INDICATORS | | | | | |
|--------------------|-------|---------------|------------------|------------|---------------|
| INDICATOR | VALUE | STATE AVERAGE | STATE PERCENTILE | US AVERAGE | US PERCENTILE |
| Flood Risk | 10% | 8% | 72 | 12% | 65 |
| Wildfire Risk | 0% | 5% | 0 | 14% | 0 |

| CRITICAL SERVICE GAPS | | | | | |
|--------------------------|-------|---------------|------------------|------------|---------------|
| INDICATOR | VALUE | STATE AVERAGE | STATE PERCENTILE | US AVERAGE | US PERCENTILE |
| Broadband Internet | 23% | 16% | 75 | 14% | 80 |
| Lack of Health Insurance | 13% | 10% | 72 | 9% | 79 |
| Housing Burden | Yes | N/A | N/A | N/A | N/A |
| Transportation Access | Yes | N/A | N/A | N/A | N/A |
| Food Desert | Yes | N/A | N/A | N/A | N/A |

Report for Blockgroup: 291618904014



level, not including students enrolled in higher ed

Housing

Housing cost

Share of households making less than 80% of the area median family income and spending more than 30% of income on housing

94th
Above 50th percentile

Lack of green space

Amount of land, not including crop land, that is covered with artificial materials like concrete or pavement

31st
Not above 50th percentile

Lack of indoor plumbing

Share of homes without indoor kitchens or plumbing

98th
Above 50th percentile

[Help improve the tool](#)

Appendix B Public Involvement Documentation

NOTICE

National Institute of Standards and Technology Missouri University of Science and Technology (Missouri Protoplex): Notice of Availability of an Environmental Assessment

ACTION: Notice of Availability of an Environmental Assessment

SUMMARY: Notice is hereby given that the Rural Development, as required by the National Environmental Policy Act, is issuing an environmental assessment (EA) in connection with possible impacts related to a project proposed by the Missouri University of Science and Technology for the Missouri Protoplex that would consist of a facility approximately 117,000 gross square feet (ft²) on an approximately 15-acre site. The Missouri Protoplex would be located in a disturbed area located to the north of Interstate 44 and east of White Columns Drive, off of the main campus, in Rolla, Missouri.

The Missouri University of Science and Technology has submitted an application for grant due to existing facilities at the campus being utilized for other programs and are at full capacity as the enrollment and offerings at the university increase. The facility is needed, as there are no other facilities that could be utilized to meet the goal to create a campus.

FOR FURTHER INFORMATION CONTACT: Design and Construction Management, Missouri S&T, 117 General Services Building, 1701 Spruce Dr. Rolla, MO 65409, facilities@mst.edu.

SUPPLEMENTARY INFORMATION: The proposed project includes the construction of the Missouri Protoplex facility, consisting of a two-story building approximately 117,000 gross ft². The facility will include high bay laboratories; enclosed lab and shop spaces; storage; offices; meeting and collaboration space; lobby and display space; and general building support. The Proposed Action would also include installation of required utility services, new entry drive, ninety parking spaces, and new service drive to the loading dock to support the new facility. The site will also accommodate 225 geothermal wells to support the new geothermal plant located within the mechanical room. Water and wastewater will also be connected to the existing system within the area. The project area will include construction/ground disturbance on approximately 15 acres.

Terracon Consultants, Inc., an environmental consultant, prepared an environmental assessment for the Missouri University of Science and Technology as the applicant that describes the project, assesses the proposed project's environmental impacts, and summarizes as applicable any mitigation measures used to minimize environmental effects. The National Institute of Standards and Technology has conducted an independent evaluation of the environmental assessment and believes that it accurately assesses the impacts of the proposed project. No significant impacts are expected as a result of the construction of the project.

The draft environmental assessment can be reviewed at: <https://news.mst.edu/2024/06/missouri-university-of-science-and-technology-missouri-protoplex-notice-of-availability-of-an-environmental-assessment/>.

Questions and comments should be sent to the National Institute of Standards and Technology at the address provided. The National Institute of Standards and Technology will accept questions and comments on the environmental assessment for 15 days from the date of publication of this notice.

Any final action by the National Institute of Standards and Technology related to the proposed project will be subject to, and contingent upon, compliance with all relevant Federal environmental laws and regulations and completion of environmental review procedures as prescribed by 40 CFR Part 1500-1508, Environmental Policies and Procedures.

Dated: July 11, 2024

(Published in Phelps County Focus July 11, 2024)

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Dated: July 11, 2024

(Published in Phelps County Focus July 11, 2024)

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Campus Master Plan

Protoplex Environmental Assessment

University of Missouri Science and Technology Announces Environmental Assessment for Missouri Protoplex Project Available for Public Review

Comment Period Starts on 11July2024 - 25July2024

Overview

The Environmental Assessment for the Missouri Protoplex project of the University of Missouri Science and Technology has been released for public review and feedback. This comprehensive report provides an overview of the project, analyzes its impact on social, economic, and environmental factors, and proposes strategies to address any potential negative consequences.

Environmental Assessment

[Download EA →](#)

Public Comments

[Submit Comments Here →](#)

An electronic version of the EA is available for download and review here. Physical copies of the EA are available upon request at the following location:

- General Services Building, 1701 Spruce Drive, Rolla, MO 65409

Comments can be submitted online using the link provided, via Email: facilities@mst.edu or in person at - address: Facilities Planning and Operations, 1701 Spruce Drive, Rolla, MO 65409. For more information: <https://facilitiesoperations.mst.edu/contact/>

Comments are due by **25/July/2024**. All comments received may be made publicly available without change, including any personal information provided.

Notice:

Please note all written and email comments received during the comment period will become part of the public record, including any personal information you may provide. Before including your address, phone number, email address, or other personal identifying information in your comment, you should be aware that your entire comment - including your personal identifying information - may be made publicly available at any time. While you can ask us in your comment to withhold your personal identifying information from public review, we cannot guarantee we will be able to do so. All submissions from organizations or businesses, and from individuals identifying themselves as representatives or officials of organizations or businesses will be made available for public disclosure in their entirety.



Campus Master Plan

Missouri University of Science and Technology

General Services Building, 1701 Spruce Dr. Rolla, MO 65409

573-341-7619

masterplan@mst.edu

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Missouri University of Science and Technology (Missouri Protoplex): Notice of Availability of an Environmental Assessment

Posted by Peter Ehrhard
On July 11, 2024

National Institute of Standards and Technology

Missouri University of Science and Technology (Missouri Protoplex): Notice of Availability of an Environmental Assessment

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Dated: July 11, 2024

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Posted by Peter Ehrhard
On July 11, 2024. Posted in [News](#)

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Peter Ehrhard on [Registration now open for 2024 summer camps at Missouri S&T](#)

Upcoming events

[Final Doctoral Defense for Krishna Thapa](#)



Jul 11 10am: Krishna Thapa , a doctoral candidate in chemistry, will defend their dissertation titled "Exploring the Applications of DNA Nanostructures in Electrochemical Biosensors and..."

[Final Doctoral Defense for Rachel Boillat-Newport](#)



Jul 11 12pm: Rachel Boillat-Newport, a doctoral candidate in mechanical engineering, will defend their dissertation titled "Fabrication and Characterization of a High Strength Novel..."

[Who Are You? Diversity Awareness Profile](#)



Jul 11 12pm: Join Strategic Diversity Initiatives as we delve into who we are by going through the Diversity Awareness Profile. Lunch will be provided for participants. Please sign up...

Sports Headlines



[Men's track team has trio named to Academic All-America team](#)

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[S&T's Puetz selected to CSC Academic All-America team](#)

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Appendix C Agency Correspondence

USFWS IPaC Report



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Missouri Ecological Services Field Office
101 Park Deville Drive
Suite A
Columbia, MO 65203-0057
Phone: (573) 234-2132 Fax: (573) 234-2181

In Reply Refer To:
Project Code: 2024-0093843
Project Name: Protoplex

05/21/2024 23:56:29 UTC

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Threatened and Endangered Species

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and may be affected by your proposed project. The species list fulfills the requirement for obtaining a Technical Assistance Letter from the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. **Note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days.** The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

Consultation Technical Assistance

Refer to the Midwest Region [S7 Technical Assistance](#) website for step-by-step instructions for making species determinations and for specific guidance on the following types of projects:

projects in developed areas, HUD, pipelines, buried utilities, telecommunications, and requests for a Conditional Letter of Map Revision (CLOMR) from FEMA.

Federally Listed Bat Species

Indiana bats, gray bats, and northern long-eared bats occur throughout Missouri and the information below may help in determining if your project may affect these species.

Gray bats - Gray bats roost in caves or mines year-round and use water features and forested riparian corridors for foraging and travel. If your project will impact caves, mines, associated riparian areas, or will involve tree removal around these features – particularly within stream corridors, riparian areas, or associated upland woodlots –gray bats could be affected.

Indiana and northern long-eared bats - These species hibernate in caves or mines only during the winter. In Missouri the hibernation season is considered to be November 1 to March 31. During the active season in Missouri (April 1 to October 31) they roost in forest and woodland habitats. Suitable summer habitat for Indiana bats and northern long-eared bats consists of a wide variety of forested/wooded habitats where they roost, forage, and travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags ≥ 5 inches diameter at breast height (dbh) for Indiana bat, and ≥ 3 inches dbh for northern long-eared bat, that have exfoliating bark, cracks, crevices, and/or hollows), as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Tree species often include, but are not limited to, shellbark or shagbark hickory, white oak, cottonwood, and maple. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet (305 meters) of other forested/wooded habitat. Northern long-eared bats have also been observed roosting in human-made structures, such as buildings, barns, bridges, and bat houses; therefore, these structures should also be considered potential summer habitat and evaluated for use by bats. If your project will impact caves or mines or will involve clearing forest or woodland habitat containing suitable roosting habitat, Indiana bats or northern long-eared bats could be affected.

Examples of unsuitable habitat include:

- Individual trees that are greater than 1,000 feet from forested or wooded areas;
- Trees found in highly-developed urban areas (e.g., street trees, downtown areas);
- A pure stand of less than 3-inch dbh trees that are not mixed with larger trees; and
- A stand of eastern red cedar shrubby vegetation with no potential roost trees.

Using the IPaC Official Species List to Make No Effect and May Affect Determinations for Listed Species

1. If IPaC returns a result of “There are no listed species found within the vicinity of the project,” then project proponents can conclude the proposed activities will have **no effect** on any federally listed species under Service jurisdiction. Concurrence from the Service is not required for **No Effect** determinations. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records. An example ["No Effect" document](#) also can be found on the S7 Technical Assistance website.

2. If IPaC returns one or more federally listed, proposed, or candidate species as potentially present in the action area of the proposed project – other than bats (see #3 below) – then project proponents can conclude the proposed activities **may affect** those species. For assistance in determining if suitable habitat for listed, candidate, or proposed species occurs within your project area or if species may be affected by project activities, you can obtain [Life History Information for Listed and Candidate Species](#) through the Species website.
3. If IPaC returns a result that one or more federally listed bat species (Indiana bat, northern long-eared bat, or gray bat) are potentially present in the action area of the proposed project, project proponents can conclude the proposed activities **may affect** these bat species **IF** one or more of the following activities are proposed:
 - a. Clearing or disturbing suitable roosting habitat, as defined above, at any time of year;
 - b. Any activity in or near the entrance to a cave or mine;
 - c. Mining, deep excavation, or underground work within 0.25 miles of a cave or mine;
 - d. Construction of one or more wind turbines; or
 - e. Demolition or reconstruction of human-made structures that are known to be used by bats based on observations of roosting bats, bats emerging at dusk, or guano deposits or stains.

If none of the above activities are proposed, project proponents can conclude the proposed activities will have **no effect** on listed bat species. Concurrence from the Service is not required for **No Effect** determinations. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records. An example ["No Effect" document](#) also can be found on the S7 Technical Assistance website.

If any of the above activities are proposed in areas where one or more bat species may be present, project proponents can conclude the proposed activities **may affect** one or more bat species. We recommend coordinating with the Service as early as possible during project planning. If your project will involve removal of over 5 acres of suitable forest or woodland habitat, we recommend you complete a Summer Habitat Assessment prior to contacting our office to expedite the consultation process. The Summer Habitat Assessment Form is available in Appendix A of the most recent version of the [Range-wide Indiana Bat Summer Survey Guidelines](#).

Other Trust Resources and Activities

Bald and Golden Eagles - Although the bald eagle has been removed from the endangered species list, this species and the golden eagle are protected by the Bald and Golden Eagle Act and the Migratory Bird Treaty Act. Should bald or golden eagles occur within or near the project area please contact our office for further coordination. For communication and wind energy projects, please refer to additional guidelines below.

Migratory Birds - The Migratory Bird Treaty Act (MBTA) prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Service. The Service has the responsibility under the MBTA

to proactively prevent the mortality of migratory birds whenever possible and we encourage implementation of recommendations that minimize potential impacts to migratory birds. Such measures include clearing forested habitat outside the nesting season (generally March 1 to August 31) or conducting nest surveys prior to clearing to avoid injury to eggs or nestlings.

Communication Towers - Construction of new communications towers (including radio, television, cellular, and microwave) creates a potentially significant impact on migratory birds, especially some 350 species of night-migrating birds. However, the Service has developed [voluntary guidelines for minimizing impacts](#).

Transmission Lines - Migratory birds, especially large species with long wingspans, heavy bodies, and poor maneuverability can also collide with power lines. In addition, mortality can occur when birds, particularly hawks, eagles, kites, falcons, and owls, attempt to perch on uninsulated or unguarded power poles. To minimize these risks, please refer to [guidelines](#) developed by the Avian Power Line Interaction Committee and the Service. Implementation of these measures is especially important along sections of lines adjacent to wetlands or other areas that support large numbers of raptors and migratory birds.

Wind Energy - To minimize impacts to migratory birds and bats, wind energy projects should follow the Service's [Wind Energy Guidelines](#). In addition, please refer to the Service's [Eagle Conservation Plan Guidance](#), which provides guidance for conserving bald and golden eagles in the course of siting, constructing, and operating wind energy facilities.

Next Steps

Should you determine that project activities **may affect** any federally listed species or trust resources described herein, please contact our office for further coordination. Letters with requests for consultation or correspondence about your project should include the Consultation Tracking Number in the header. Electronic submission is preferred.

If you have not already done so, please contact the Missouri Department of Conservation (Policy Coordination, P. O. Box 180, Jefferson City, MO 65102) for information concerning Missouri Natural Communities and Species of Conservation Concern.

We appreciate your concern for threatened and endangered species. Please feel free to contact our office with questions or for additional information.

John Weber

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Missouri Ecological Services Field Office

101 Park Deville Drive

Suite A

Columbia, MO 65203-0057

(573) 234-2132

PROJECT SUMMARY

Project Code: 2024-0093843
Project Name: Protoplex
Project Type: Mixed-Use Construction
Project Description: Construction of a technology facility on a campus.
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@37.95790495,-91.78081108363912,14z>



Counties: Phelps County, Missouri

ENDANGERED SPECIES ACT SPECIES

There is a total of 8 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

| NAME | STATUS |
|---|------------------------|
| Gray Bat <i>Myotis grisescens</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6329 | Endangered |
| Indiana Bat <i>Myotis sodalis</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5949 General project design guidelines: https://ipac.ecosphere.fws.gov/project/SVKN5UJ57JABHFKHP5JZ5RADFM/documents/generated/6868.pdf | Endangered |
| Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045 General project design guidelines: https://ipac.ecosphere.fws.gov/project/SVKN5UJ57JABHFKHP5JZ5RADFM/documents/generated/6868.pdf | Endangered |
| Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515 | Proposed Endangered |

AMPHIBIANS

| NAME | STATUS |
|---|------------|
| Eastern Hellbender <i>Cryptobranchus alleganiensis</i> Population: Missouri DPS No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9039 | Endangered |

CLAMS

| NAME | STATUS |
|--|------------------------|
| Salamander Mussel <i>Simpsonaias ambigua</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6208 | Proposed Endangered |

INSECTS

| NAME | STATUS |
|---|------------|
| Hine's Emerald Dragonfly <i>Somatochlora hineana</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7877 | Endangered |
| Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. | Candidate |

NAME

STATUS

Species profile: <https://ecos.fws.gov/ecp/species/9743>

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Terracon
Name: Jennifer Peters
Address: 6911 Blanco Road
City: San Antonio
State: TX
Zip: 78216
Email: jennifer.peters@terracon.com
Phone: 2109077648

You have indicated that your project falls under or receives funding through the following special project authorities:

- **BIPARTISAN INFRASTRUCTURE LAW (BIL) (OTHER)**

State Historic Preservation Office

April 10, 2024

Burns & McDonnell
Attn: Douglas Shaver
9400 Ward Parkway
Kansas City, MO 64114

Re: **SHPO Project Number: 004-PH-24** – Missouri University of Science and Technology
Protoplex Project – Building Demolition, 1001 Collegiate Boulevard, Rolla, Phelps County,
Missouri (DOC)

Dear Douglas Shaver:

Thank you for submitting information to the State Historic Preservation Office (SHPO) regarding the above-referenced project for review pursuant to Section 106 of the National Historic Preservation Act, P.L. 89-665, as amended (NHPA), and the Advisory Council on Historic Preservation's regulation 36 CFR Part 800, which require identification and evaluation of historic properties.

We have reviewed the information regarding the above-referenced project and have included our comments on the following page(s). Please retain this documentation as evidence of consultation with the Missouri SHPO under Section 106 of the NHPA. SHPO concurrence does not complete the Section 106 process as federal agencies will need to conduct consultation with all interested parties. **Please be advised that, if the current project area or scope of work changes, such as a borrow area being added, or cultural materials are encountered during construction, appropriate information must be provided to this office for further review and comment.**

If you have questions please contact the SHPO at (573) 751-7858 or call/email Amy Rubingh, (573) 751-4589, amy.rubingh@dnr.mo.gov. If additional information is required please submit the information via email to MOSection106@dnr.mo.gov.

Sincerely,

STATE HISTORIC PRESERVATION OFFICE



Brian Stith
Deputy Director Division of State Parks and
Deputy Missouri State Historic Preservation Officer

c: Patricia Litty, Missouri University of Science & Tech
Phillip Neuberg, NIST

April 10, 2024
Douglas Shaver
Page 2 of 2

SHPO Project Number: 004-PH-24 – Missouri University of Science and Technology Protoplex
Project – Building Demolition, 1001 Collegiate Boulevard, Rolla, Phelps County, Missouri
(DOC)

COMMENTS:

Adequate documentation has been provided as outlined in 36 CFR Section 800.11. After review of the initial submission, the project area has no known historic properties present and a low potential for the occurrence of cultural resources. SHPO concurs with your determination of **No Historic Properties Affected**.

Federally Recognized Tribes

Peters, Jennifer T

From: Trout, Amelia <atrout@mst.edu>
Sent: 6 May, 2024 3:37 PM
To: Hertfelder, Cori
Subject: FW: REVIEW REQUEST - Univ of Missouri Science & Technology Protoplex Site, Phelps County
Attachments: Missouri University of Science and Technology_THPO Concurrence Letter_Osage Nation.docx; Cultural-Resource-Investigation-Report-Form_signed_ag.pdf; SHPO Concurrence.pdf; Archeol Report_04102024_FINAL DRAFT.pdf

Amelia Trout

CSM Project Manager | Design and Construction Management | Missouri S&T

117 General Services Building, 1701 Spruce Dr. Rolla, MO 65409

Email: atrout@mst.edu Phone: [573-341-4092](tel:573-341-4092) Cell: [573-825-1685](tel:573-825-1685) Site: designconstruction.mst.edu



From: Martin, TAJONIQUE R. (Fed) <tajonique.martin@nist.gov>
Sent: Monday, April 29, 2024 8:26 AM
To: ahunter <ahunter@osagenation-nsn.gov>
Cc: Slocum, Robert J. Mr. (Fed) <robert.slocum@nist.gov>; Neuberg, Phillip W. (Fed) <phillip.neuberg@nist.gov>; Trout, Amelia <atrout@mst.edu>; Boeschen, Tammy <Tammy.Boeschen@dnr.mo.gov>
Subject: REVIEW REQUEST - Univ of Missouri Science & Technology Protoplex Site, Phelps County

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Good morning Dr. Hunter,

Please be aware that NIST is providing funding to The University of Missouri in Rolla, MO through the 2023 Consolidated Appropriations Act (Public law 117-312) for a Science and Technical Protoplex of approximately A 117,000 gross square foot to be located on an approximately 15 acres parcel of the campus bordering Interstate 44 (see attached report and supporting documents).

Please see the attached letter seeking your input and/or concurrence with NIST and the Missouri SHPO's determination that the undertaking does not have the potential to cause Adverse Effects. We would appreciate being notified of your concurrence and/or comments within 30 days of the date of the attached letter.

Regards,

TAJONIQUE MARTIN

Historic Preservation Specialist
TaJonique.Martin@nist.gov
240.255.0207

Capital Asset Management / Construction Grants Program
OFFPM, Facilities Planning Group
National Institute of Standards and Technology



Dr. Andrea A. Hunter
Director & Tribal Historic Preservation Officer
Osage Nation
627 Grandview Avenue
Pawhuska, OK 74056

29 April 2024

RE: Missouri University of Science & Technology
Protoplex Project, Rolla, Phelps County, MO

Dear Dr. Hunter,

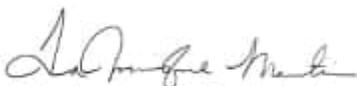
Please be aware that NIST is providing funding to The University of Missouri in Rolla, MO through the 2023 Consolidated Appropriations Act (Public law 117-312) for a new Science and Technical Protoplex of approximately 117,000 gross square foot to be located on an approximately 15 acres parcel of the campus bordering Interstate 44 (see attached report).

In accord with our responsibilities under Section 106 of the NHPA (54 U.S.C. § 300101 et. Seq.) and following a desktop Cultural Resources Investigation along with a pedestrian and shovel testing survey, NIST has determined that no properties within the APE are eligible for listing in the National Register of Historic Places. The Missouri SHPO has concurred with our Determination of ineligibility (see the attached letter dated April 10, 2024, from the SHPO to Burns & McDonnell Archeologists for the University).

To that end and in accordance with Section 106 of the National Historic Preservation Act, we would appreciate being notified of your concurrence and/or comments within 30 days of the date of this letter. Should you have any questions, concerns or desire for further information, please do not hesitate to reach out to the NIST Federal Preservation Officer, Phillip W. Neuberg, FAIA at phillip.neuberg@nist.gov.

Thank you for your attention to this matter,

Sincerely



TaJonique Martin
Capital Asset Management

Enclosures: 1) Concurrence letter from the MO Deputy SHPO
 2) Phase I Cultural Resources Report
 3) Cultural Resources Investigation Report sent to SHPO

Cc: Amelia Trout, Missouri University Science & Technology
 Robert Slocum, National Institute of Standards & Technology
 Tammy Boesch, Review and Compliance MO SHPO

*Sent electronically**

Peters, Jennifer T

From: Trout, Amelia <atrout@mst.edu>
Sent: 22 May, 2024 9:58 AM
To: Hertfelder, Cori; Peters, Jennifer T
Subject: FW: REVIEW REQUEST - Univ of Missouri Science & Technology Protoplex Site, Phelps County
Attachments: 15247121 AG resources.kmz; Missouri University of Science and Technology_Photo Page.pdf; Missouri University of Science and Technology_THPO Concurrence Letter_Osage Nation (update).pdf; MS&T Proposed Site Boundary Map 2.jpg

Hi Cori,

Please see the attached information requested by Osage. Thank you.

Respectfully,
Amelia

Amelia Trout

CSM Project Manager | Design and Construction Management | Missouri S&T

117 General Services Building, 1701 Spruce Dr. Rolla, MO 65409

Email: atrout@mst.edu Phone: [573-341-4092](tel:573-341-4092) Cell: [573-825-1685](tel:573-825-1685) Site: designconstruction.mst.edu



From: Martin, Tajonique R. (Fed) <tajonique.martin@nist.gov>
Sent: Thursday, May 16, 2024 2:58 PM
To: Luke Morris <luke.morris@osagenation-nsn.gov>
Cc: Slocum, Robert J. Mr. (Fed) <robert.slocum@nist.gov>; Neuberg, Phillip W. (Fed) <phillip.neuberg@nist.gov>; Trout, Amelia <atrout@mst.edu>; 'Tammy.Boeschen@dnr.mo.gov' <Tammy.Boeschen@dnr.mo.gov>
Subject: RE: REVIEW REQUEST - Univ of Missouri Science & Technology Protoplex Site, Phelps County

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Hello Mr. Morris,

Thank you for your patience while we gathered the documentation you requested. I have attached the kmz. file from the archaeological study as well as a revised consultation letter, which includes the project undertaking, additional maps and photos of the site. I have also attached a separate photo page and site boundary map for quick reference.

Please let me know if there is anything else we can provide to assist in your review process or any additional questions or concerns. Feel free to contact me at the email address above or via phone at 240-255-0207. I would be happy to help in any way.

Kind regards,

TaJonique Martin, B.S. Arch - M. CD

Historic Preservation Specialist

Capital Asset Management / Construction Grants Program



From: Luke Morris <luke.morris@osagenation-nsn.gov>

Sent: Friday, May 3, 2024 3:07 PM

To: Martin, TaJonique R. (Fed) <tajonique.martin@nist.gov>

Cc: Slocum, Robert J. Mr. (Fed) <robert.slocum@nist.gov>; Neuberg, Phillip W. (Fed) <phillip.neuberg@nist.gov>; 'atrou@rst.edu' <atrou@rst.edu>; 'Tammy.Boeschen@dnr.mo.gov' <Tammy.Boeschen@dnr.mo.gov>

Subject: RE: REVIEW REQUEST - Univ of Missouri Science & Technology Protoplex Site, Phelps County

Greetings,

The Osage Nation noted a few comments during the NHPA review process:

1. ONHPO is requesting a project KMZ of boundaries, conducted shovel test locations, onsite and offsite work areas, and any other features that would aid the NHPA review process.
2. Please submit any maps that were intended to be submitted with the NHPA notification. Currently, ONHPO has no maps of the project area and cannot thoroughly conduct the environmental review. The survey documents were noted, but they are not NHPA notifications. Tribes shouldn't have to learn about the project in the archaeological survey, which usually doesn't detail the entire scope-of-work. All aspects of the project should be detailed in the notification.

ONHPO will continue the review process when the aforementioned requests are received.

Thank you for your time and consulting The Osage Nation on this matter.

Respectfully,

Luke Morris

Archaeologist, MA

Osage Nation Historic Preservation Office

627 Grandview Avenue,

Pawhuska, OK 74056



Starting October 1, 2022 the Osage Nation Historic Preservation Office is changing the project notification process. **All project notifications and reports must be emailed to s106@osagenation-nsn.gov** Include the Lead Agency, Project Name, and Project Number on the subject line.

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From: Martin, Tajonique R. (Fed) <tajonique.martin@nist.gov>

Sent: Monday, April 29, 2024 8:26 AM

To: Andrea Hunter <ahunter@osagenation-nsn.gov>

Cc: Slocum, Robert J. Mr. (Fed) <robert.slocum@nist.gov>; Neuberg, Phillip W. (Fed) <phillip.neuberg@nist.gov>; Trout, Amelia <atrout@mst.edu>; Boesch, Tammy <Tammy.Boesch@dnr.mo.gov>

Subject: REVIEW REQUEST - Univ of Missouri Science & Technology Protoplex Site, Phelps County

Good morning Dr. Hunter,

Please be aware that NIST is providing funding to The University of Missouri in Rolla, MO through the 2023 Consolidated Appropriations Act (Public law 117-312) for a Science and Technical Protoplex of approximately A 117,000 gross square foot to be located on an approximately 15 acres parcel of the campus bordering Interstate 44 (see attached report and supporting documents).

Please see the attached letter seeking your input and/or concurrence with NIST and the Missouri SHPO's determination that the undertaking does not have the potential to cause Adverse Effects. We would appreciate being notified of your concurrence and/or comments within 30 days of the date of the attached letter.

Regards,

TAJONIQUE MARTIN

Historic Preservation Specialist
Tajonique.Martin@nist.gov
240.255.0207

Capital Asset Management / Construction Grants Program
OFPM, Facilities Planning Group
National Institute of Standards and Technology



Peters, Jennifer T

From: Trout, Amelia <atrout@mst.edu>
Sent: 6 May, 2024 3:36 PM
To: Hertfelder, Cori
Subject: FW: REVIEW REQUEST - Univ of Missouri Science & Technology Protoplex Site, Phelps County
Attachments: Missouri University of Science and Technology_THPO Concurrence Letter_Ponca Tribe of Nebraska.docx; Cultural-Resource-Investigation-Report-Form_signed_ag.pdf; SHPO Concurrence.pdf; Archeol Report_04102024_FINAL DRAFT.pdf

Amelia Trout

CSM Project Manager | Design and Construction Management | Missouri S&T

117 General Services Building, 1701 Spruce Dr. Rolla, MO 65409

Email: atrout@mst.edu Phone: [573-341-4092](tel:573-341-4092) Cell: [573-825-1685](tel:573-825-1685) Site: designconstruction.mst.edu



From: Martin, TAJONIQUE R. (Fed) <tajonique.martin@nist.gov>
Sent: Monday, April 29, 2024 8:27 AM
To: tfoley@poncatribes-ne.org
Cc: Neuberg, Phillip W. (Fed) <phillip.neuberg@nist.gov>; Slocum, Robert J. Mr. (Fed) <robert.slocum@nist.gov>; Trout, Amelia <atrout@mst.edu>; Boesch, Tammy <Tammy.Boesch@dnr.mo.gov>
Subject: REVIEW REQUEST - Univ of Missouri Science & Technology Protoplex Site, Phelps County

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Good morning Ms. Foley,

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Please see the attached letter seeking your input and/or concurrence with NIST and the Missouri SHPO's determination that the undertaking does not have the potential to cause Adverse Effects. We would appreciate being notified of your concurrence and/or comments within 30 days of the date of the attached letter.

Regards,

TAJONIQUE MARTIN

Historic Preservation Specialist
TaJonique.Martin@nist.gov
240.255.0207

Capital Asset Management / Construction Grants Program
OFFPM, Facilities Planning Group
National Institute of Standards and Technology



Peters, Jennifer T

From: Trout, Amelia <atrout@mst.edu>
Sent: 6 May, 2024 3:37 PM
To: Hertfelder, Cori
Subject: FW: REVIEW REQUEST - Univ of Missouri Science & Technology Protoplex Site, Phelps County
Attachments: Missouri University of Science and Technology_THPO Concurrence Letter_Ponca Tribe of Oklahoma.docx; Cultural-Resource-Investigation-Report-Form_signed_ag.pdf; SHPO Concurrence.pdf; Archeol Report_04102024_FINAL DRAFT.pdf

Amelia Trout

CSM Project Manager | Design and Construction Management | Missouri S&T

117 General Services Building, 1701 Spruce Dr. Rolla, MO 65409

Email: atrout@mst.edu Phone: [573-341-4092](tel:573-341-4092) Cell: [573-825-1685](tel:573-825-1685) Site: designconstruction.mst.edu



From: Martin, TAJONIQUE R. (Fed) <tajonique.martin@nist.gov>
Sent: Monday, April 29, 2024 8:27 AM
To: liana.hesler@ponca-nsn.gov
Cc: Neuberg, Phillip W. (Fed) <phillip.neuberg@nist.gov>; Slocum, Robert J. Mr. (Fed) <robert.slocum@nist.gov>; Trout, Amelia <atrout@mst.edu>; Boesch, Tammy <Tammy.Boesch@dnr.mo.gov>
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Historic Preservation Specialist
TaJonique.Martin@nist.gov
240.255.0207

Capital Asset Management / Construction Grants Program
OFFPM, Facilities Planning Group
National Institute of Standards and Technology



Theresa Foley
Tribal Historic Preservation Officer
Ponca Tribe of Nebraska
P.O. Box 288
Niobrara NE 68760

29 April 2024

RE: Missouri University of Science & Technology
Protoplex Project, Rolla, Phelps County, MO

Dear Ms. Foley,

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Thank you for your attention to this matter,

Sincerely



TaJonique Martin
Capital Asset Management

Enclosures: 1) Concurrence letter from the MO Deputy SHPO
 2) Phase I Cultural Resources Report
 3) Cultural Resources Investigation Report sent to SHPO

Cc: Amelia Trout, Missouri University Science & Technology
 Robert Slocum, National Institute of Standards & Technology
 Tammy Boesch, Review and Compliance MO SHPO

*Sent electronically**

Liana Staci Hesler
Tribal Historic Preservation Officer
Ponca Tribe of Oklahoma
121 White Eagle Dr.
Ponca City, OK 74601

29 April 2024

RE: Missouri University of Science & Technology
Protoplex Project, Rolla, Phelps County, MO

Dear Ms. Hesler,

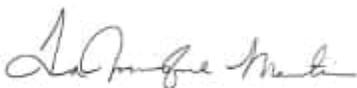
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 Robert Slocum, National Institute of Standards & Technology
 Tammy Boesch, Review and Compliance MO SHPO

*Sent electronically**

Peters, Jennifer T

From: Trout, Amelia <atrout@mst.edu>
Sent: 6 May, 2024 3:37 PM
To: Hertfelder, Cori
Subject: FW: REVIEW REQUEST - Univ of Missouri Science & Technology Protoplex Site, Phelps County
Attachments: Missouri University of Science and Technology_THPO Concurrence Letter_United Keetoowah Band of Cherokee Indians in Oklahoma.docx; Archeol Report_04102024_FINAL DRAFT.pdf; Cultural-Resource-Investigation-Report-Form_signed_ag.pdf; SHPO Concurrence.pdf

Amelia Trout

CSM Project Manager | Design and Construction Management | Missouri S&T

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Email: atrout@mst.edu Phone: [573-341-4092](tel:573-341-4092) Cell: [573-825-1685](tel:573-825-1685) Site: designconstruction.mst.edu



From: Martin, Tajonique R. (Fed) <tajonique.martin@nist.gov>
Sent: Monday, April 29, 2024 8:27 AM
To: rcain@ukb-nsn.gov
Cc: Neuberg, Phillip W. (Fed) <phillip.neuberg@nist.gov>; Slocum, Robert J. Mr. (Fed) <robert.slocum@nist.gov>; Trout, Amelia <atrout@mst.edu>; Boeschen, Tammy <Tammy.Boeschen@dnr.mo.gov>
Subject: REVIEW REQUEST - Univ of Missouri Science & Technology Protoplex Site, Phelps County

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Good morning Mr. Cain,

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Regards,

TAJONIQUE MARTIN

Historic Preservation Specialist Capital Asset Management / Construction Grants Program
TaJonique.Martin@nist.gov OFPM, Facilities Planning Group
240.255.0207 National Institute of Standards and Technology



Roger Cain
Tribal Historic Preservation Officer
United Keetoowah Band of Cherokee Indians in Oklahoma
18263 W. Keetoowah Circle
Tahlequah, OK 74464

29 April 2024

RE: Missouri University of Science & Technology
Protoplex Project, Rolla, Phelps County, MO

Dear Mr. Cain,

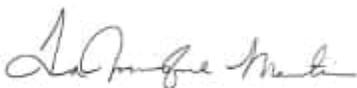
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Sincerely



TaJonique Martin
Capital Asset Management

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Cc: Amelia Trout, Missouri University Science & Technology
 Robert Slocum, National Institute of Standards & Technology
 Tammy Boesch, Review and Compliance MO SHPO

*Sent electronically**

Peters, Jennifer T

From: Trout, Amelia <atrout@mst.edu>
Sent: 6 May, 2024 3:35 PM
To: Hertfelder, Cori
Subject: FW: REVIEW REQUEST - Univ of Missouri Science & Technology Protoplex Site, Phelps County
Attachments: Missouri University of Science and Technology_THPO Concurrence Letter_Jonathan Rohrer_Caddo Nation of Oklahoma.docx; Cultural-Resource-Investigation-Report-Form_signed_ag.pdf; SHPO Concurrence.pdf; Archeol Report_04102024_FINAL DRAFT.pdf

Amelia Trout

CSM Project Manager | Design and Construction Management | Missouri S&T

117 General Services Building, 1701 Spruce Dr. Rolla, MO 65409

Email: atrout@mst.edu Phone: [573-341-4092](tel:573-341-4092) Cell: [573-825-1685](tel:573-825-1685) Site: designconstruction.mst.edu



From: Martin, Tajonique R. (Fed) <tajonique.martin@nist.gov>
Sent: Monday, April 29, 2024 8:26 AM
To: jrohrer@mycaddonation.com
Cc: Neuberg, Phillip W. (Fed) <phillip.neuberg@nist.gov>; Slocum, Robert J. Mr. (Fed) <robert.slocum@nist.gov>; Trout, Amelia <atrout@mst.edu>; Boeschen, Tammy <Tammy.Boeschen@dnr.mo.gov>
Subject: REVIEW REQUEST - Univ of Missouri Science & Technology Protoplex Site, Phelps County

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Good morning Mr Rohrer,

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Historic Preservation Specialist
Tajonique.Martin@nist.gov
240.255.0207

Capital Asset Management / Construction Grants Program
OFPM, Facilities Planning Group
National Institute of Standards and Technology



Peters, Jennifer T

From: Trout, Amelia <atrout@mst.edu>
Sent: 6 May, 2024 3:36 PM
To: Hertfelder, Cori
Subject: FW: REVIEW REQUEST - Univ of Missouri Science & Technology Protoplex Site, Phelps County
Attachments: Missouri University of Science and Technology_THPO Concurrence Letter_Caddo Nation of Oklahoma.docx; Cultural-Resource-Investigation-Report-Form_signed_ag.pdf; SHPO Concurrence.pdf; Archeol Report_04102024_FINAL DRAFT.pdf

Amelia Trout

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From: Martin, TAJONIQUE R. (Fed) <tajonique.martin@nist.gov>
Sent: Monday, April 29, 2024 8:26 AM
To: section106@mycaddonation.com
Cc: Neuberg, Phillip W. (Fed) <phillip.neuberg@nist.gov>; Slocum, Robert J. Mr. (Fed) <robert.slocum@nist.gov>; Trout, Amelia <atrout@mst.edu>; Boesch, Tammy <Tammy.Boesch@dnr.mo.gov>
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Historic Preservation Specialist
TaJonique.Martin@nist.gov
240.255.0207

Capital Asset Management /
Construction Grants Program
OFPM, Facilities Planning Group
National Institute of Standards and
Technology



Jonathan Rohrer
Caddo Nation Tribal Historic Preservation Officer
Caddo Nation of Oklahoma
P.O. Box 487
Binger, OK 73009

29 April 2024

RE: Missouri University of Science & Technology
Protoplex Project, Rolla, Phelps County, MO

Dear Mr. Rohrer,

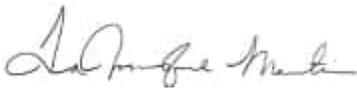
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Thank you for your attention to this matter,

Sincerely



TaJonique Martin
Capital Asset Management

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Cc: Amelia Trout, Missouri University Science & Technology
 Robert Slocum, National Institute of Standards & Technology
 Tammy Boeschen, Review and Compliance MO SHPO

*Sent electronically**

Caddo Nation THPO
Tribal Historic Preservation Officer
Caddo Nation of Oklahoma
P.O. Box 487
Binger, OK 73009

29 April 2024

RE: Missouri University of Science & Technology
Protoplex Project, Rolla, Phelps County, MO

Dear Tribal Historic Preservation Officer,

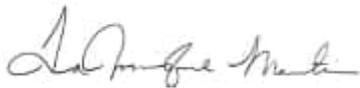
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 Tammy Boeschen, Review and Compliance MO SHPO

*Sent electronically**

Peters, Jennifer T

From: Trout, Amelia <atrout@mst.edu>
Sent: 6 May, 2024 3:36 PM
To: Hertfelder, Cori
Subject: FW: REVIEW REQUEST - Univ of Missouri Science & Technology Protoplex Site, Phelps County
Attachments: Missouri University of Science and Technology_THPO Concurrence Letter_Cherokee Nation.docx; Cultural-Resource-Investigation-Report-Form_signed_ag.pdf; SHPO Concurrence.pdf; Archeol Report_04102024_FINAL DRAFT.pdf

Amelia Trout

CSM Project Manager | Design and Construction Management | Missouri S&T

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Email: atrout@mst.edu Phone: [573-341-4092](tel:573-341-4092) Cell: [573-825-1685](tel:573-825-1685) Site: designconstruction.mst.edu



From: Martin, TaJonique R. (Fed) <tajonique.martin@nist.gov>
Sent: Monday, April 29, 2024 8:26 AM
To: elizabeth-toombs@cherokee.org
Cc: Neuberg, Phillip W. (Fed) <phillip.neuberg@nist.gov>; Slocum, Robert J. Mr. (Fed) <robert.slocum@nist.gov>; Trout, Amelia <atrout@mst.edu>; Boeschen, Tammy <Tammy.Boeschen@dnr.mo.gov>
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TAJONIQUE MARTIN

Historic Preservation Specialist Capital Asset Management / Construction Grants Program
Tajonique.Martin@nist.gov OFPM, Facilities Planning Group
240.255.0207 National Institute of Standards and Technology



Ms. Elizabeth Toombs
Tribal Historic Preservation Officer
Cherokee Nation
P.O. Box 948
Tahlequah, OK 74465

29 April 2024

RE: Missouri University of Science & Technology
Protoplex Project, Rolla, Phelps County, MO

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Amelia Trout

CSM Project Manager | Design and Construction Management | Missouri S&T

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From: Martin, Tajonique R. (Fed) <tajonique.martin@nist.gov>
Sent: Monday, April 29, 2024 8:26 AM
To: PBarton@estoo.net
Cc: Neuberg, Phillip W. (Fed) <phillip.neuberg@nist.gov>; Slocum, Robert J. Mr. (Fed) <robert.slocum@nist.gov>; Trout, Amelia <atrout@mst.edu>; Boeschen, Tammy <Tammy.Boeschen@dnr.mo.gov>
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Amelia Trout

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From: Martin, Tajonique R. (Fed) <tajonique.martin@nist.gov>
Sent: Monday, April 29, 2024 8:27 AM
To: tonya@shawnee-tribe.com
Cc: Neuberg, Phillip W. (Fed) <phillip.neuberg@nist.gov>; Slocum, Robert J. Mr. (Fed) <robert.slocum@nist.gov>; Trout, Amelia <atrout@mst.edu>; Boeschen, Tammy <Tammy.Boeschen@dnr.mo.gov>
Subject: REVIEW REQUEST - Univ of Missouri Science & Technology Protoplex Site, Phelps County

WARNING: This message has originated from an External Source. This may be a phishing expedition that can result in unauthorized access to our IT System. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Good morning Ms. Tipton,

Please be aware that NIST is providing funding to The University of Missouri in Rolla, MO through the 2023 Consolidated Appropriations Act (Public law 117-312) for a Science and Technical Protoplex of approximately A 117,000 gross square foot to be located on an approximately 15 acres parcel of the campus bordering Interstate 44 (see attached report and supporting documents).

Please see the attached letter seeking your input and/or concurrence with NIST and the Missouri SHPO's determination that the undertaking does not have the potential to cause Adverse Effects. We would appreciate being notified of your concurrence and/or comments within 30 days of the date of the attached letter.

Regards,

TAJONIQUE MARTIN

Historic Preservation Specialist Capital Asset Management / Construction Grants Program
TaJonique.Martin@nist.gov OFPM, Facilities Planning Group
240.255.0207 National Institute of Standards and Technology



Paul Barton
THPO/Director of Culture Preservation Program/NAGPRA
Eastern Shawnee Tribe of Oklahoma
70500 E 128 Rd.
Wyandotte, OK 74370

29 April 2024

RE: Missouri University of Science & Technology
Protoplex Project, Rolla, Phelps County, MO

Dear Mr. Barton,

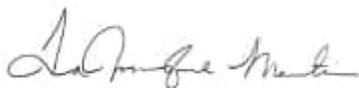
Please be aware that NIST is providing funding to The University of Missouri in Rolla, MO through the 2023 Consolidated Appropriations Act (Public law 117-312) for a new Science and Technical Protoplex of approximately 117,000 gross square foot to be located on an approximately 15 acres parcel of the campus bordering Interstate 44 (see attached report).

In accord with our responsibilities under Section 106 of the NHPA (54 U.S.C. § 300101 et. Seq.) and following a desktop Cultural Resources Investigation along with a pedestrian and shovel testing survey, NIST has determined that no properties within the APE are eligible for listing in the National Register of Historic Places. The Missouri SHPO has concurred with our Determination of ineligibility (see the attached letter dated April 10, 2024, from the SHPO to Burns & McDonnell Archeologists for the University).

To that end and in accordance with Section 106 of the National Historic Preservation Act, we would appreciate being notified of your concurrence and/or comments within 30 days of the date of this letter. Should you have any questions, concerns or desire for further information, please do not hesitate to reach out to the NIST Federal Preservation Officer, Phillip W. Neuberg, FAIA at phillip.neuberg@nist.gov.

Thank you for your attention to this matter,

Sincerely



TaJonique Martin
Capital Asset Management

Enclosures: 1) Concurrence letter from the MO Deputy SHPO
 2) Phase I Cultural Resources Report
 3) Cultural Resources Investigation Report sent to SHPO

Cc: Amelia Trout, Missouri University Science & Technology
 Robert Slocum, National Institute of Standards & Technology
 Tammy Boeschen, Review and Compliance MO SHPO

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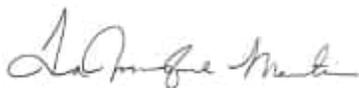
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