Appendix K-5
Phase I ESA – Rail Spur Parcel Addition

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February 28, 2024

Mr. Carson Henry
US Expansion SPMO Sr. Director
Micron Technology, Inc.
8000 South Federal Way
Boise, Idaho 83716

Re: Phase I Environmental Site Assessment
Rail Spur Parcel Addition
Micron Clay Fab Facility, Clay, NY
AKRF Project Number 220350

Dear Mr. Henry:

AKRF, Inc. (AKRF) is pleased to submit this Phase I Environmental Site Assessment Report for the above-referenced Subject Property. This report includes the findings of a reconnaissance of the Subject Property, and an evaluation of readily available historical information and selected environmental databases and electronic records. The report meets the requirements of ASTM Standard E1527-21, unless noted otherwise in Section 9.0, "Limitations," Section 10.0, "Deviations," or Section 11.0 "Data Gaps."

We appreciate the opportunity to provide you with our services. If you should have any questions, please do not hesitate to contact us.

Sincerely,
AKRF, Inc.

Marc S. Godick, LEP
Senior Vice President

Bryan Zieroff, CPG, LEP
Senior Technical Director

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MICRON CLAY FAB FACILIY
CLAY, NEW YORK

Phase I Environmental Site Assessment

Rail Spur Parcel Addition

AKRF Project Number: 220350

Prepared for:

Micron Technology, Inc.
8000 South Federal Way
Boise, Idaho 83716

Prepared by:

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FEBRUARY 2024

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EXECUTIVE SUMMARY

AKRF performed a Phase I Environmental Site Assessment (ESA) of the approximately 1.34-acre property located northwest adjacent to the terminus of Weller Canning Road in the Town of Clay, Onondaga County, New York, identified as Tax Map Parcel 046-01.19.1 (the "Subject Property"). At the time of the reconnaissance, the Subject Property was a vacant lot comprised of tree-covered land.

The Subject Property is located in a predominantly rural area and is abutted to the north by tree-covered land, followed by Jerome Fire Equipment Co., Inc. and Clay Substation approximately a half-mile to the north; to the east by tree covered land, followed by Caughdenoy Road; to the south by B&C Storage Facility, followed by Freight Yard Brewing and State Route 31; and to the west by rail lines, followed by tree-covered land, agricultural land, and a rural residential development approximately a half-mile to the west.

AKRF understands that the Subject Property encompasses a portion of the greater Micron redevelopment area, which includes approximately 1,500 acres east of the Subject Property generally bound by Caughdenoy Road to the west, State Route 31 to the south, and Brewerton Road to the east. AKRF previously conducted Phase I ESAs for these parcels in June and October 2023 as summarized in Section 6.0.

The term Recognized Environmental Condition (REC) means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any 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. The term Historical Recognized Environmental Condition (HREC) means a past release that has been remediated to below "residential" standards and given regulatory closure with no use restrictions. There are also definitions for Controlled REC (CREC), which indicates that there is known contamination that is being managed by use restriction or mitigation controls, and De Minimis Condition. A De Minimis Condition is defined as an environmental concern that is not a threat to human health or the environment and would not be subject to enforcement action.

This assessment did not reveal any RECS, HRECs or CRECs at the Subject Property. A summary of the assessment findings is presented below:

Historic Recognized Environmental Conditions

- The south adjacent property, located at 4975 State Route 31, was historically owned and operated by Donald V. Sotherden (D.V. Sotherden, Inc. and Sotherden Feed and Fuel Company). Historical uses included a grain mill and coal/fuel distribution. The Sotherden property was listed in the NY SPILLS database under D.V. Sotherden and Buckeye pipeline for releases of an unknown quantity of No. 6 fuel oil (Spill date February 20, 1987) and an estimated 3,000 gallons of No. 2 fuel oil (Spill date June 26, 2004), respectively. The Spill reports indicated potential impacts to the pond/small stream system running east to west through the southern portion of the Subject Property. The 1987 Spill record indicated a cleanup to standard in August 1987, and the 2004 Spill record indicated a closure date of October 19, 2005. Based on the proximity to the Subject Property, historical use of the site as a grain mill and fuel company and history of fuel releases, there is potential for soil and/or groundwater impacts to the Subject Property.

De Minimis Conditions

- Former structures were on the Subject Property, along with an access road connecting the structures to the south-adjacent D.V. Sotherden, Inc. property. Although the use of the structures is unknown, their presence potentially connects the southern end of the Subject Property to the S.V Sotherden, Inc. coal/fuel distribution business.

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- Limited amounts of metal, glass, and rubber debris and miscellaneous building materials (i.e., concrete and cinder blocks), were observed at the Subject Property.
- Historical agricultural practices and maintenance of the west adjacent rail lines may have involved the application of pesticides and/or herbicides, and track maintenance has been associated with PCBs and petroleum contamination related to the railroad ties.

Other Environmental Concerns

- According to data compiled by the New York State Department of Health, Onondaga County has an average indoor radon measurement of 8.02 picocuries/liter based on radon testing of over 9,000 homes. The USEPA recommended action level is 4.0 picocuries/liter. Onondaga County is considered a High-Risk County for radon in New York State.

Recommendations

- To support future development activities that involve soil disturbance and any potential off-site disposal, a Soil and Materials Management Plan should be prepared to identify the investigation and characterization measures to be undertaken to ascertain environmental conditions in the areas where soil disturbance is anticipated. The investigation should evaluate whether petroleum compounds, PCBs, and pesticides and/or herbicides exist as a result of railroad maintenance on the west-adjacent property, soil quality in areas of former structures with observed accumulated debris, areas where adjacent properties have documented contamination (including potential for an impact at the pond or small stream area on the southern end of the Subject Property), and for general soil characterization/handling during construction. The plan should also include contingency measures to address any areas of soil contamination, unforeseen tanks, buried debris, or other materials that are discovered during future construction, including requirements for Spill reporting and registration (for applicable tanks), and the completion of soil delineation, remediation, and/or material removals (tanks, contaminated soil, etc.) in accordance with all applicable regulations. The plan should also outline requirements for managing soil excavated as part of the development activities, including the requirements for stockpiling, characterizing, obtaining receiving facility approval for, the transporting of, and the disposal of soil. The plan should identify the federal, state and local requirements covering licensing of haulers and trucks, placarding trailers, truck routes, manifesting, etc. for all soil leaving the Subject Property.
- Radon levels should be tested in accordance with applicable regulations to determine whether mitigation is warranted for any future on-site development.

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FIGURES

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1.0 INTRODUCTION

AKRF, Inc. (AKRF) was retained by Micron Idaho Semiconductor Manufacturing (Triton) LLC ("Micron" or User) to perform a Phase I Environmental Site Assessment (ESA) of the property located northwest adjacent to the terminus of Weller Canning Road in the Town of Clay, Onondaga County, New York, identified as Tax Map Parcel 046-01.19.1 (the "Subject Property"). The Subject Property is located in a predominantly rural area. At the time of the reconnaissance, the approximately 1.34-acre Subject Property was a vacant lot comprised of tree-covered land. The Subject Property layout is shown on Figures 1 and 2. The surrounding area included primarily agricultural, rural residential, and commercial uses.

AKRF understands that the Subject Property encompasses a portion of the greater Micron redevelopment area, which includes approximately 1,500 acres east of the Subject Property generally bound by Caughdenoy Road to the west, State Route 31 to the south, and Brewerton Road to the east. AKRF previously conducted Phase I ESAs for these parcels in June and October 2023 as summarized in Section 6.0.

The scope of services for this assessment was in conformance with ASTM Standard E1527-21 (*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice)*. Any exceptions to, or deletions from, this practice are described in Section 10.0. The scope included the following:

- Visual observations of the Subject Property were made to identify potential sources or indications of chemical contamination. In addition, readily observable portions of the properties immediately adjacent to the Subject Property were viewed from public rights-of-way to identify or determine the likelihood of any of the aforementioned potential sources of contamination being present.
- Historical topographical maps and aerial photographs for the Subject Property and adjacent properties were reviewed to evaluate previous land use. Published geological and groundwater information was obtained from available sources to determine the possibility of contamination from off-site sources.
- Federal regulatory databases that were reviewed to determine the regulatory status of the Subject Property, adjacent properties, and properties within a predetermined study area include, but were not limited to, the following: National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Resource Conservation and Recovery Act (RCRA) Information System; and RCRA Corrective Action Activity (CORRACTS).
- State regulatory databases that were reviewed to determine the regulatory status of the Subject Property, adjacent properties, and properties within a predetermined study area include, but were not limited to, the following: LTANKS (Leaking Storage Tanks); UST (Underground Storage Tanks); AST (Aboveground Storage Tanks); PBS TANKS (Petroleum Bulk Storage Tanks); NY SPILLS (Oil & Chemical Spills); and SPDES (State Pollutant Discharge Elimination System).
- Documents and materials from the Town of Clay were requested to determine the local status of the Subject Property.
- ASTM "Non-Scope" Considerations - A visual inspection of the Subject Property was conducted to identify and evaluate the condition of suspect asbestos-containing materials (ACMs) on-site. The visual inspection of the Subject Property also evaluated for the potential presence of lead-based paint, and the condition of painted surfaces was assessed. No samples were collected for analysis as part of this assessment. The non-scope considerations were selected based on the typical hazards encountered during property redevelopment.
- In addition, a review of emerging contaminants (per- and polyfluoroalkyl compounds or PFAS) is included in this Phase I ESA as NYSDEC's final rule for PFOA and PFOS became effective on March

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3, 2017, which identifies PFOA and PFOS as hazardous substances. Notwithstanding, the review of emerging contaminants is considered a "non-scope" consideration under the current ASTM standard because these emerging contaminants are not listed as hazardous substances by the United States Environmental Protection Agency (EPA) as part of a final rulemaking.

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2.0 PHYSICAL SITE DESCRIPTION

The inspection of the Subject Property included observations of the Subject Property and surrounding area (Subject Property reconnaissance) to identify potential sources or indications of hazardous substances, including: ASTs, USTs, and tank vents and fill ports; transformers and other items that could contain PCBs; waste storage areas; hazardous materials usage, storage, and disposal; stained surfaces and soils; stressed vegetation; leaks; and odors. AKRF was granted access to the Subject Property and all areas of the reconnaissance scope as coordinated through the Client.

On January 22, 2024, Ms. Claire Bearden of AKRF performed a visual inspection of the Subject Property. The weather was clear and approximately 28ºF, and the visibility was fair. At the time of the inspection, the Subject Property was undeveloped, comprised of tree-covered vacant land, and was covered within in a thin layer of snow. Surface features were mostly able to be observed, but the snow limited the ability to observe if stained surfaces were present and may have obscured some site features. A Subject Property location map is included as Figure 1. A Site Map showing the parcel layout and specific site features is included as Figure 2. Photographs documenting the Subject Property inspection are included in Appendix A.

2.1 General Site Conditions

The Subject Property consists of approximately 1.34 acres of undeveloped, tree-covered rectangular land. The Subject Property is generally situated northwest adjacent to the terminus of Weller Canning Road to the north of State Route 31, west of Caughdenoy Road, and east adjacent to Central New York rail lines in the Town of Clay, New York. The Subject Property is bound to the south by B&C Storage facility, followed by Freight Yard Brewing. Limited areas containing miscellaneous metal, cinder block, glass, and rubber debris were observed within the western and central portions of the Subject Property. Small sections of concrete were observed in the west-central portion of the Subject Property, which may be indicative of a former structure. A concrete stormwater outfall was observed entering the southwestern portion of the Subject Property from beneath the west-adjacent railroad tracks. Potential stream-like or wetland features were observed within the western and central portions of the Subject Property; however, these observations were limited based on the presence of snow and ice at the time of the inspection.

2.2 Topography and Hydrogeology

Based on reports compiled by the United States Geological Survey (USGS) Brewerton, NY Quadrangle maps, the Subject Property lies at an elevation of approximately 395 feet above mean sea level (AMSL). Shaver Creek, a tributary of Oneida River, extends to within a quarter mile southwest of the Subject Property. A small pond was observed along the southern property boundary, north-adjacent to B&C Storage. Areas of ponding water or wetland features were observed within the western and central portions of the Subject Property; however, these observations were limited based on the presence of snow and ice at the time of the inspection. Based on topography, groundwater beneath the Subject Property likely flows to the north-northwest towards Oneida River, located approximately two miles to the northwest; however, actual groundwater flow at the Subject Property can be affected by many factors beyond the scope of this study.

2.3 Storage Tanks

During the site inspection, no evidence, such as vent pipes, fill caps, or concrete patches, was observed that would indicate past or present USTs at the Subject Property. A review of the State regulatory records did not cite any USTs for the Subject Property.

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2.4 Polychlorinated Biphenyls (PCBs)

Until 1979, polychlorinated biphenyls (PCBs), which provided beneficial insulating properties, were manufactured for use in a wide variety of products, primarily in electrical equipment such as transformers, capacitors, fluorescent light fixtures (especially ballasts), and voltage regulators, but also in hydraulic fluids and some other products. No potential PCB-containing equipment was observed during the inspection or noted during the historical review of the Subject Property. Based on review of historical aerial photographs, apparent structures were present at the Subject Property in the 1950s through the 1980s. Former building structures may have contained PCB-containing equipment. There is a potential for PCBs to be associated with the railroad track network running along the west-adjacent property boundary, which has been present since at least 1938.

2.5 Lead-Based Paint

The use of lead-based paint was banned for residential use by the Consumer Products Safety Commission in 1977. The use of lead-based paint in commercial structures was severely restricted by the Consumer Products Safety Commission in 1977. Lead-based paint is potentially hazardous when in a deteriorating condition (i.e., chipped, broken, crumbling, pulverized). Lead is potentially harmful to humans, particularly children, if ingested, inhaled, or otherwise absorbed.

The Subject Property is a vacant tree-covered lot and does not contain any building structures; however, based on review of historical aerial photographs, apparent structures were present at the Subject Property in the 1950s through the 1980s. Former building structures that were either demolished or removed in the 1980s may have contained lead-based paint.

2.6 Utilities

A concrete stormwater outfall was observed entering the southwestern portion of the Subject Property from beneath the west-adjacent railroad tracks during the site inspection. The outfall appears to be associated with the ponded water observed along the southern property boundary of the Subject Property. Based on the environmental site assessment questionnaire completed by the owner, no current or historical utilities such as water, electric, gas/fuel, heating or cooling systems, or sewer or septic systems have been known to service the Subject Property.

2.7 Waste Management and Chemical Handling

Based on the environmental site assessment questionnaire completed by the owner, no known active or historical waste management, chemical handling, or trash services have been associated with the Subject Property.

2.8 Radon

Radon is a colorless, odorless gas produced by the radioactive decay of certain elements. The most common sources of radon are igneous and metamorphic rocks containing uranium (such as pitchblende), granite, shale, or phosphate, as well as soils or sediments derived from these parent materials. Radon may also be found in soils contaminated with certain industrial wastes (such as uranium or phosphate mine tailings) or in earth-derived building products which include industrial wastes that contain phosphate slag. In areas where the potential for radon accumulation is high, special ventilation systems may offset potential health hazards.

According to data compiled by the New York State Department of Health, Onondaga County has an average indoor radon measurement of 8.02 picocuries/liter based on radon testing of over 9,000 homes. The USEPA recommended action level is 4.0 picocuries/liter. Onondaga County is considered a High-Risk County for radon in New York State.

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2.9 Emerging Contaminants

Emerging contaminants are chemicals that are not yet listed on the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) hazardous substances list, but may be regulated under state law or are under review for future federal regulation or inclusion on the CERCLA hazardous substance list. Per- and polyfluoroalkyl substances (PFAS) are a class of emerging contaminant chemicals found in fire-suppression foam, fire and stain retardants, water repellant materials, non-stick coatings, and many other materials (e.g., cosmetics and personal care products, etc.). PFAS repel water and oil and are resistant to heat and chemical reactions. Specific PFAS compounds including perfluorooctane sulfonate (PFOS), perfluorooctanoic acid (PFOA), and perfluorononanoic acid (PFNA) are not yet regulated by federal laws as hazardous substances under CERCLA. A review of emerging contaminants is included in this Phase I ESA as NYSDEC's final rule for PFOA and PFOS became effective on March 3, 2017, which identifies PFOA and PFOS as hazardous substances. PFAS may discharge to the environment through releases during manufacturing, wastewater discharges from industrial and commercial processes involving PFAS-containing products, or the use of fire-suppression foam during an emergency response.

Current and historical uses of the Subject Property and adjoining/surrounding properties were reviewed to identify potential sources of PFAS at or around the Subject Property. No potential PFAS sources were identified.

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3.0 ASBESTOS-CONTAINING MATERIALS (ACM)

Asbestos, a known human carcinogen, is a generic name assigned to a group of naturally occurring minerals exhibiting high tensile strength and possessing excellent fire resistance and insulating properties. These minerals include chrysotile, amosite, crocidolite, actinolite, tremolite, and anthophyllite. Asbestos is commonly found as a component of building materials, including: thermal system insulation (TSI), pipe insulation, spray-applied fireproofing, spray- or trowel-applied surfacing materials, vinyl asbestos floor tiles and sheeting, plaster, sheetrock/joint compound, ceiling tiles, fire door fill, roofing materials, thermal gaskets, mastics, caulks, and a range of other products.

Building materials containing greater than one percent asbestos are considered to be ACM. ACM are classified as friable or non-friable. Friable ACM are those which can be crumbled, pulverized, or reduced to powder when dry by hand or other mechanical pressure. Friable ACM, such as thermal system insulation and spray-applied fireproofing, are generally associated with a higher risk of releasing asbestos fibers than non-friable ACM, such as vinyl floor tiles and built-up roofing materials.

The Subject Property is a vacant tree-covered lot and does not contain any building structures; however, based on review of historical aerial photographs, apparent structures were present at the Subject Property in the 1950s through the 1980s. ACM may have been present in building materials of former structures including, but not limited to, vinyl floors and mastics, roofing materials, drywall and associated joint compound, thermal pipe insulation, and caulking and glazing. There were no records available regarding an ACM survey or abatement prior to demolition or removal of the historical structures. There is a potential for ACMs to be remaining in the Subject Property surface soil after building demolition.

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4.0 ADJACENT LAND USE

The Subject Property is abutted to the north by tree-covered land, followed by Jerome Fire Equipment Co., Inc. and Clay Substation approximately a half-mile to the north; to the east by tree covered land, followed by Caughdenoy Road; to the south by B&C Storage Facility, followed by Freight Yard Brewing and State Route 31; and to the west by rail lines, followed by tree-covered land, agricultural land, and a rural residential development approximately a half-mile to the west.

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5.0 USER PROVIDED INFORMATION

The User of this Phase I report is a potential purchaser of the Subject Property, provided block and lot information, and provided a contact for the current owner for the Subject Property. No previous environmental reports were available for the Subject Property. Previous Draft Phase I ESAs performed for adjacent and surrounding properties are included in Section 6.0.

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6.0 PREVIOUS ENVIRONMENTAL REPORTS

Previous Phase I ESAs were performed in 2023 by AKRF for the purposes of due diligence for parcels adjacent to and east of the Subject Property. Environmental reviews were also completed for a proposed utility corridor located approximately 800 feet north of the Site. These assessments were completed in connection with the greater Micron redevelopment area. The Phase I ESAs were performed in conformance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-21). A summary of findings relevant to the Subject Property are provided below.

Draft Phase I Environmental Site Assessment, Micron Clay Fab Facility, Town of Clay, Onondaga County, New York, AKRF, June 2023.

AKRF was retained by Micron to perform a Phase I ESA of the collection of 33 mostly vacant parcels across approximately 800 acres within the area generally bounded by Caughdenoy Road to the west, Burnet Road to the east, State Route 31 to the south, and vacant agricultural and forested land to the north in the Town of Clay, Onondaga County, New York. Historically, 24 parcels were used for residential purposes, seven parcels were vacant land in industrial areas, and two parcels were used for agriculture. At the time of the assessment, 20 parcels were listed as residential, 12 parcels were listed as vacant, and one parcel was listed as public services containing a cellular telephone tower. The parcels along Caughdenoy Road that were included in this review are approximately 1,000 feet east of the Subject Property. The assessment did not reveal any RECs, HRECs, or CRECs at the parcels investigated. De Minimis conditions included observations of various small quantity containers of household-type cleaners, chemicals, gas cans, paint containers, miscellaneous building materials, and debris at several residential properties; potential historical application of pesticides and/or herbicides; and potential petroleum impacts related to the presence of former fuel oil ASTs and/or USTs at some residential properties. Based on the location and documented information, the parcels included in this review are not considered to be an environmental concern for the Subject Property.

Draft Phase I Environmental Site Assessment, Micron Clay Fab Facility, Town of Clay, Onondaga County, New York, AKRF, October 2023.

AKRF was retained by Micron to perform a Phase I ESA of the collection of 42 mostly vacant parcels across approximately 680 acres within the area generally bounded by Burnet Road to the west, Brewerton Road to the east, State Route 31 to the south, and vacant agricultural and forested land to the north in the Town of Clay, Onondaga County, New York. The Phase I ESA also included two parcels on Caughdenoy Road – an approximately 30-acre parcel referred to as the proposed childcare site (tax parcel ID 042.-01-013.0) and an approximately 37-acre parcel referred to as the proposed utility infrastructure/rail spur site (tax parcel ID 046.02-03.2). The proposed utility infrastructure/rail spur site is located north- and east-adjacent to the Subject Property. The report also included an environmental review of a proposed natural gas utility corridor, located approximately 500 feet north of the Subject Property. Historically, 24 parcels were used for residential purposes, 14 parcels were vacant land, three parcels were used for agriculture, and one parcel was used for commercial purposes. At the time of the assessment, 23 parcels were listed as residential, 17 parcels were listed as vacant, and one parcel was listed as commercial containing a modular home dealer. Based on the information documented in these reports, the north- and east-adjacent parcel and nearby utility corridor are not considered to be an environmental concern for the Subject Property.

The previous Draft Phase I ESA reports (text and figures were included due to file size) for the parcels within the greater Micron redevelopment area are included in Appendix E.

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7.0 SITE HISTORY AND RECORDS REVIEW

7.1 Prior Ownership and Usage

Historical aerial photographs and historical topographic maps were reviewed to determine site history and usage. Records were also requested from the Town of Clay Town Clerk through a Freedom of Information Act (FOIL) request. The Town of Clay did not locate any pertinent files related to the Subject Property. Phone calls, with follow-up emails, were made to request phone interviews with the Town of Clay Volunteer Fire Department Station 3 and the Town of Clay Planning and Development Commissioner (see Appendix G). No responses have been received as of the date of this report. Should any interviews result in information that would change the findings listed in this report, a report addendum will be provided with the new information.

7.1.1 Historical Aerial Photographs

Historical aerial photographs were reviewed for indications of industrial usage or other evidence suggesting the use or disposal of hazardous materials on or adjacent to the Subject Property. Specifically, aerial photographs from 1938, 1951, 1956, 1962, 1966, 1978, 1985, 1988, 1994, 1995, 2003, 2008, 2011, 2015 and 2019 were reviewed for the Subject Property.

Copies of the aerial photographs are included in Appendix B. Details of these photographs are discussed below:

1938

The Subject Property was predominantly vacant tree-covered land. The northern portion of the Subject Property appeared to be part of a section of land potentially used for agricultural purposes. A large square-shaped, presumably commercial building was present to the south of the Subject Property. Caughdenoy Road to the east of the Subject Property, State Route 31 to the south of the Subject Property, and a rail line to the west of the Subject Property appeared to exist in their present-day locations. A pond was present east-adjacent to the southeast property boundary. The surrounding area appeared to be used for agricultural purposes due to varying, rectangular land cover types. Rural residential structures appeared to be present along State Route 31 to the south. Scattered areas of tree-covered land were present to the north, east, and south.

1951

The Subject Property and surrounding area remained relatively similar to the 1938 map. Potential land disturbance or construction appeared in the south-central portion of the Subject Property. The southeast-adjacent pond was more visible, and the land features east of the pond suggest that a small east to west running stream may have fed into the pond.

1956

The quality of the photograph is poor; however, the Subject Property appeared to contain two rectangular structures within the south-central portion, with a cleared access connecting the structures to the south-adjacent property. The surrounding area remained similar to the 1951 map.

1962-1966

The Subject Property appeared to contain four rectangular structures within the south-central portion and two rectangular structures in the southwest corner. These structures

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appeared to be associated with/connected to the south-adjacent property. Fewer trees were present within the Subject Property. The southeast adjacent pond was clearly defined, and was connected to a stream that runs east to west through the Subject Property and below the west-adjacent rail line. An additional large building structure appeared south adjacent to the Subject Property and additional presumably residential structures appeared to the south along State Route 31 and to the east along Caughdenoy Road.

1978

Additional trees were present in the northern portion of the Subject Property and the four rectangular structures remained in the south-central portion. The rectangular structures in the southwestern corner were no longer present. The east to west stream feature was still present, but was no longer observed in the southern portion of the Subject Property, suggesting installation of a culvert with backfill. This action appeared to have provided better access from the south-adjacent property to the rectangular structures on the Subject Property.

1985-1994

The quality of the photographs was poor; however, the Subject Property appeared mostly tree-covered on the northern portion, with fewer trees in the southern portion. The four rectangular structures in the south-central portion were no longer present in the 1985 photograph. A small structure with a cleared access connecting to the south-adjacent property appeared to be located within the southern clearing on the Subject Property. Potential land disturbance or construction activity appeared to the south of the Subject Property in the 1994 photograph. Additional residential structures are present along Caughdenoy Road to the east.

1995-2003

The Subject Property appeared relatively similar to the 1994 photograph with a potential stream feature or ponded water in the south-central portion. Potential ponded water was present to the east of the Subject Property, and a potential stream feature was present to the west of the rail line. Additional building structures and driveways were present at the south adjacent property.

2008-2019

The Subject Property appeared more densely covered with trees with no visible structures. Areas to the north of the Subject Property and south of State Route 31 also appeared more densely covered with trees. The pond and east-west stream feature is still visible.

Summary

The Subject Property was undeveloped, tree-covered land from 1938 to the early 1950s, with small rectangular structures present in the south-central portion from approximately 1956 to the mid-1980s. The Subject Property remained vacant and vegetated from the mid-1980s to present. A small east to west running stream feature and ponded water were periodically present on the Subject Property. A possible culvert system may have been created along the stream and within the Subject Property to connect the former structures to the south-adjacent property. A larger, presumed commercial building was present on the south adjacent property in 1938, with additional structures and driveways constructed in the mid-1990s. The greater surrounding area was developed prior to 1938 with small, apparent residential structures, agricultural land, and roadways. Railroad tracks were

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depicted running northeast/southwest, west adjacent to the Subject Property as early as 1938.

7.1.2 Historical USGS Topographic Maps

Historical topographic maps were reviewed for indications of land uses on and near the Subject Property. Specifically, USGS topographic maps (Syracuse and Brewerton Quadrangles), from 1895, 1898, 1940, 1943, 1957, 1973, 1978, 2013, 2016, and 2019 were reviewed for the Subject Property.

The USGS maps are included in Appendix B. Details of these maps are discussed below:

1895-1898: Syracuse Quadrangle – 15 minute

The Subject Property was shown around 395 feet AMSL with no structures present. Unnamed roadways were depicted to the east and south of the Subject Property with small, presumably residential structures shown. A railroad identified as Syracuse and Rome Branch was depicted running northeast to southwest, west adjacent to the Subject Property. A stream labeled Shaver Creek was shown approximately a mile to the northwest of the Subject Property with a branch of the creek extending to within a quarter mile southwest of the Subject Property. Topography shows that the streams near the Subject Property generally flow east to west.

1940-1943: Brewerton Quadrangle – 7.5 minute

The 1940 topographic map shows additional contouring details with the Subject Property depicted around 398 feet. A large square structure was shown south adjacent to the Subject Property. The railroad running northeast to southwest, west adjacent to the Subject Property was labeled as New York Central Watertown.

1957: Brewerton Quadrangle – 7.5 minute

The Subject Property elevation remained similar to the 1943 map with a small square structure shown in the south-central portion of the Subject Property. Two additional unnamed structures were shown on the south adjacent property. Additional small, unnamed structures were shown on State Route 31 and Caughdenoy Road and along the roadways in the surrounding area.

1973-1978: Brewerton Quadrangle – 7.5 minute

The Subject Property elevation remained similar to the 1957 map with no structures shown at the Subject Property. A small area of ponded water was shown approximately a quarter mile to the northeast of the Subject Property. A structure labeled Immanual Church was located to the southwest of the Subject Property. Power transmission lines were shown running east to west and intersecting at a substation approximately a half mile north of the Subject Property. A radio tower was depicted to the north of the substation. Airlane Enterprises Airport was shown approximately one mile north of the Subject Property.

2013-2019: Brewerton Quadrangle – 7.5 minute

The Subject Property remained similar to the 1973-1978 maps. Additional roadways were depicted to the south of the Subject Property. Details regarding development in the surrounding area, including the power transmission lines, substation, and individual structures were not shown on these maps.

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Summary

Topography of the Subject Property has remained consistent over time at approximately 395 feet AMSL throughout its history. The greater surrounding area has remained generally consistent from 400-425 feet AMSL south and east of the Subject Property to around 375 feet AMSL over a mile to the north of the Subject Property.

The Subject Property and surrounding area were developed prior to 1895, with additional structures and roadways constructed over time. Labeled features in the greater surrounding area historically consisted of religious institutions, railroad lines, an airfield, power transmission lines, a substation, and a radio tower.

7.1.3 Property Tax Files and Zoning Records

AKRF completed the FOIL requests for environmental records from the Town of Clay Town Clerk. The Town of Clay did not locate any pertinent files related to the Subject Property. Phone calls, with follow-up emails, were made to request phone interviews with the Town of Clay Volunteer Fire Department Station 3 and the Town of Clay Planning and Development Commissioner (see Appendix G). No responses have been received as of the date of this report. Should any interviews result in information that would change the findings listed in this report, a report addendum will be provided with the new information.

7.1.4 Local City Directories

City directories for Weller Canning Street and properties along State Route 31 were provided by EDR for 1992, 1995, 2000, 2005, 2010, 2014, 2017, and 2020. Copies are included in Appendix C.

Weller Canning Street was identified in City Directory listings in 2020 as OFK Boat and Auto Storage. Additional listings along State Route 31 included primarily residential and commercial listings.

7.2 Regulatory Review

EDR was contracted to obtain information regarding the regulatory status of the Subject Property and the surrounding area. This information included records from databases maintained by the USEPA and NYSDEC. AKRF reviewed these records to identify the use, generation, storage, treatment, and/or disposal of hazardous material and chemicals, or releases of such materials, which may impact the Subject Property. All applicable regulatory databases meet ASTM guidelines requesting utilization of information within 90 days' receipt from the appropriate agency. Copies of the EDR regulatory database report are included in Appendix D.

7.2.1 Federal

The federal databases searched included the National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Superfund Enterprise Management System Archive (SEMS-ARCHIVE), Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); and Federal Institutional Control/Engineering Control Registries. The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.

Federal ASTM supplemental records reviewed included: CONSENT (Superfund Consent Decrees); Records of Decision (ROD); and Delisted NPL (National Priority List Deletions).

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National Priority List (NPL)

The NPL is the USEPA's database of some of the most serious uncontrolled or abandoned hazardous waste sites identified for probable remedial action under the Superfund Program. These sites may constitute an immediate threat to human health and the environment. Due to the amount of public attention focused on NPL sites, they pose a significant risk of stigmatizing surrounding properties and potentially impacting property values.

The Subject Property was not listed in the NPL database, and no NPL sites were identified within a one-mile radius of the Subject Property.

Delisted NPL (National Priority List Deletions)

This database describes former NPL sites that have been removed from the NPL list by the USEPA. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) established the criteria used by the USEPA to delist sites where no further federal response is needed.

The Subject Property was not listed in the delisted NPL database, and no delisted NPL sites were identified within a one-mile radius of the Subject Property.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

CERCLIS is a compilation of known or suspected, uncontrolled, or abandoned hazardous waste sites which the USEPA has investigated, or plans to investigate, for a release, or threatened release, of hazardous substances pursuant to the Superfund Act of 1980 (CERCLA). Some of these sites may constitute a potential threat to human health and the environment. While it has been determined by the USEPA that some CERCLIS sites require no action, others could pose a real or perceived environmental threat to neighboring properties, thus affecting property values.

The Subject Property was not listed in the CERCLIS database, and no CERCLIS sites were identified within a half-mile radius of the Subject Property.

Comprehensive Environmental Response, Compensation, and Liability Information System-No Further Remedial Action Planned (CERCLIS-NFRAP)

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" have been removed from CERCLIS. NFRAP sites may be sites where, following an investigation, no contamination was discovered, contamination was removed quickly without the need for the site to be place on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.

The Subject Property was not listed in the CERCLIS-NFRAP database, and no CERCLIS-NFRAP sites were identified within a half-mile radius of the Subject Property.

Emergency Response Notification System (ERNS)

This federal database, compiled by the Emergency Response Notification System, records and stores information on reported releases of petroleum and other potentially hazardous substances.

The Subject Property was not listed in the ERNS database.

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Toxic Chemical Release Inventory System (TRIS)

This federal database, compiled by the USEPA, identifies facilities that release chemicals to the air, water, and land in reportable quantities.

The Subject Property was not listed in the TRIS database.

CONSENT (Superfund Consent Decrees)

Superfund consent decrees are major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. These decrees are periodically released by the United States District Courts after settlement by parties to litigation matters.

The Subject Property was not listed in the CONSENT database, and no CONSENT sites were identified within a one-mile radius of the Subject Property.

ROD (Records of Decision)

ROD documents mandate permanent remedies at NPL sites and contain technical and health information to aid in the cleanup.

The Subject Property was not listed in the ROD database, and no ROD sites were identified within a one-mile radius of the Subject Property.

US Brownfields

The US Brownfields program is for properties that clean up and report to the USEPA and are served by Brownfields grant programs.

The Subject Property was not listed in the US Brownfields database, and no US Brownfields sites were identified within a half-mile radius of the Subject Property.

7.2.2 State

The state records reviewed included the listings of hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); Major Oil Storage Facilities (MOSF); and Brownfield Sites.

Resource Conservation and Recovery Act (RCRA) Notifiers Listings

This database lists sites which have filed notification forms regarding hazardous waste activity, including: treatment, storage, and disposal facilities (TSDs); small-quantity (SQG) and large-quantity generators (LQG); and transporters regulated under RCRA. The discussion below includes any CORRACTS listings of facilities which are subject to corrective action under RCRA.

The Subject Property was not listed in the RCRA database.

One RCRA site was identified within a quarter-mile radius of the Subject Property. Clay Volunteer Fire Department, located southeast of the Subject Property at 4948 State Route 31, was listed as not a generator (RCRA NonGen/NLR) for 1999, 2006, and 2007. The site was listed as a SQG in 1995 and a LQG in 1996 with waste codes for ignitable waste and benzene. No other information was provided.

Due to the location and listed information, waste handling information, and anticipated groundwater flow direction, this site is not expected to have affected the Subject Property.

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Chemical Bulk Storage (CBS)

The New York CBS is a list of facilities that store regulated non-petroleum substances in aboveground tanks with capacities greater than 185 gallons and/or in underground tanks of any size.

The Subject Property was not listed in the CBS database, and no CBS sites were identified within a quarter-mile radius of the Subject Property.

Solid Waste Facilities (SWF)

This database includes certain landfills, incinerators, transfer stations, recycling centers, and other sites which manage solid waste.

The Subject Property was not listed in the SWF database and no SWF sites were identified within a quarter-mile radius of the Subject Property.

LTANKS (Leaking Storage Tanks)

LTANKS records contain an inventory of reported leaking storage tank incidents.

The Subject Property was not listed in the LTANKS database.

Two LTANKS listings were reported within a half-mile radius of the Subject Property and are described below.

- North Town SPS, located approximately a quarter mile southwest of the Subject Property on Caughdenoy Road, was listed for a diesel fuel spill on January 22, 1991, related to an emergency generator (spill ID 9011508/1991-02-15). Details regarding the spill indicated a small hole was observed in the tank. Some contaminated soil was staged onsite, and the tank was hauled offsite for cleaning. It was reported that 5 gallons of diesel fuel was released, and 3 gallons of fuel were recovered. Cleanup activities ceased on February 15, 1991.
- Franscotti Property, described as a private dwelling located at 5001 Route 31 and approximately a quarter mile southwest of the Subject Property, was listed for a spill of #2 fuel oil on January 3, 1994, related to a heating oil tank in the basement of the property (spill ID 9311741/1995-02-09). Details regarding the quantity of fuel oil released and associated cleanup were not provided; however, the listing indicates cleanup activities ceased on January 4, 1994.

Based on the proximity to the Subject Property, listed information, and anticipated groundwater flow direction, these are not anticipated to have affected groundwater beneath the Subject Property

UST (Underground Storage Tanks)

The Subject Property was not listed in the UST database. Two UST listings were reported within a quarter-mile radius of the Subject Property and are described below.

D.V. Sotherden, Inc., located at 4975 State Route 31, south-adjacent to the Subject Property, was listed for five inactive/closed USTs with the following details:

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Tank Number	Contents	Capacity (Gallons)	Install Date	Remove/Close Date	Tank Status
001	Gasoline	2,000	12/01/1986	11/01/1990	Closed – Removed
002	Gasoline	2,000	12/01/1986	11/01/1990	Closed – Removed
003	Diesel	2,000	12/01/1986	11/01/1990	Closed – Removed
004	Gasoline	2,000	12/01/1986	11/01/1990	Closed – Removed
005	Kerosene	2,000	12/01/1986	11/01/1990	Closed – Removed

Due to the south-adjacent location relative to the Subject Property, any releases from the former USTs have the potential to have affected the Subject Property.

Clay Fire Station #1 located at 4948 State Route 31, approximately 800 feet southwest of the Subject Property, was listed for two inactive/closed USTs with the following details:

Tank Number	Contents	Capacity (Gallons)	Install Date	Remove/Close Date	Tank Status
001	Gasoline	1,000	09/01/1984	10/01/1995	Closed – Removed
002	Diesel	1,000	09/01/1984	10/01/1995	Closed – Removed

No reports of a UST release were included in the listings. Since the USTs have been removed, no spills have been reported, and the location of Clay Fire Station #1, it is not anticipated that the Subject Property has been impacted by these USTs.

AST (Aboveground Storage Tanks)

The Subject Property was not listed in the AST database. One AST listing was reported within a quarter-mile radius of the Subject Property and is described below.

Buckeye Pipeline, located at 4975 State Route 31, is south adjacent to the Subject Property. Based on listing details, Buckeye Pipeline was owned and operated by D.V. Sotherden, Inc. and was listed for two ASTs with the following details:

Tank Number	Contents	Capacity (Gallons)	Install Date	Tank Status
006	#2 Fuel Oil	275	06/01/1982	In Service
007	#2 Fuel Oil	275	12/01/1986	Temporarily Out of Service

Buckeye Pipeline was additionally listed for a release of #2 fuel oil, which is discussed in the NY SPILLS database section below.

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TANKS (Petroleum Bulk Storage Tanks)

The Subject Property was not listed in the TANKS database, and no TANKS sites were identified within a quarter-mile radius of the Subject Property.

NY SPILLS (New York State Oil & Chemical Spills)

The Subject Property was not listed in the NY SPILLS database. Two SPILLS listings were reported within a quarter-mile radius of the Subject Property, described below.

- D.V. Sotherden, located at 4975 State Route 31, was listed for a spill of an unknown quantity of #6 fuel oil on February 20, 1987. It was reported that tanks were brought into the site with sludge in their bottoms and product was found in the creek at the rear of the Sotherden property. This creek is likely the stream system that runs through the Subject Property. The cleanup date was listed as August 11, 1987, with no other information provided.
- Buckeye Pipeline, located at 4975 State Route 31, was reported to have released an estimated 3,000 gallons of No. 2 fuel oil due to a ruptured underground pipeline on June 26, 2004. Remarks included, "Fire department and hazmat are on scene. Nearby wetlands may be affected." The spill was closed on October 19, 2005, with no other information provided.

Due to the listed information and proximity of the spills to the Subject Property, these listings are considered off-site RECs. D.V. Sotherden is discussed further in Section 7.2.3.

7.2.3 Local

AKRF visited the offices of the Town of Clay Clerk on January 22, 2024, and submitted FOIL requests for environmental related files. The Town of Clay did not locate any pertinent files related to the Subject Property. Phone calls, with follow-up emails, were made to request phone interviews with the Town of Clay Volunteer Fire Department Station 3 and the Town of Clay Planning and Development Commissioner (see Appendix G). No responses have been received as of the date of this report. Should any interviews result in information that would change the findings listed in this report, a report addendum will be provided with the new information.

Online records were reviewed on the Town of Clay website, which included a history of D.V. Sotherden operations on the south adjacent property at 4975 State Route 31. According to articles published by the Town of Clay Historian, the Sotherden family acquired the property in the 1920s, which had been operating as a feed and coal business. Upon acquiring the property, the Sotherden's demolished a former wooden structure and made additions to the present cinder block building, which became Sotherden Feed and Fuel Company. The company serviced local farms with animal feed and farm equipment and shipped supplies for the war effort during World War II. The company ceased operations in the 1990s, and the property was briefly rented by Gary's Small Engine and subsequently by a veterinary clinic until the former mill building was converted into its current use as a brewery in 2019. Based on the historical uses of the property as a mill and coal/fuel distributor and its proximity to the Subject Property, D.V. Sotherden operations is considered an off-site REC.

Copies of the Town of Clay Historian publications are included in Appendix E.

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8.0 INTERVIEWS

8.1 Interview with Owner

An Environmental Site Assessment Questionnaire was submitted to the owner of the Subject Property, Mr. Dan Richards. A copy of the Questionnaire is included in Appendix F. Mr. Richards provided the following pertinent information:

- Mr. Richards had no knowledge of any existing contamination at the Subject Property.
- Mr. Richards knew of no threatened, pending, or current litigation associated with the Subject Property.
- Mr. Richards knew of no environmental liens, notifications, or violations associated with the Subject Property.

8.2 Interview with Site Manager

The Subject Property has been managed by the owner, Mr. Dan Richards, since 2013. No additional people affiliated with the Subject Property were available for interview.

8.3 Interview with Occupants

The Subject Property contains no building structures and has no occupants.

8.4 Interview with Local Government Officials

AKRF completed FOIL requests for environmental related files from the Town of Clay Town Clerk. The Town of Clay did not locate any pertinent files related to the Subject Property. Phone calls, with follow-up emails, were made to request phone interviews with the Town of Clay Volunteer Fire Department Station 3 and the Town of Clay Planning and Development Commissioner (see Appendix G). No responses have been received as of the date of this report. Should any interviews result in information that would change the findings listed in this report, a report addendum will be provided with the new information.

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9.0 LIMITATIONS

This assessment met the requirements of the ASTM as established by ASTM Standard E1527-21. The following limitations should be noted:

- Results of this investigation are valid as of the dates on which the investigation was performed.
- No sampling was performed as part of this assessment.
- The ability to observe stressed vegetation, surface staining, and other site features was limited due to snow cover. Due to the information obtained from local records and the database report, this limitation is not likely to alter the conclusions of this report.
- The property area history review was not conducted in five-year intervals. However, sufficient information about the history of the Subject Property and surrounding area could be obtained from the available aerial photographs, city directories, and local records, and this data gap is not likely to alter the conclusions of this report.

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10.0 DEVIATIONS

The User did not request any deviations from the ASTM Standard for the assessment completed for the Subject Property.

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11.0 DATA GAPS

Section 3.3.20 of ASTM Standard E1527-21 defines a data gap as the inability to obtain information required by the ASTM Standard despite good faith efforts to obtain applicable data. Data gaps may result from incompleteness in any of the activities required by the ASTM Standard. While limitations to this report are described in Section 9.0, there were no data gaps identified where the absence of information would materially change the findings of the assessment.

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12.0 CONCLUSIONS

AKRF performed a Phase I Environmental Site Assessment (ESA) of the approximately 1.34-acre property located northwest adjacent to the terminus of Weller Canning Road in the Town of Clay, Onondaga County, New York, identified as Tax Map Parcel 046-01.19.1 (the "Subject Property"). At the time of the reconnaissance, the Subject Property was a vacant lot comprised of tree-covered land.

The Subject Property is located in a predominantly rural area and is abutted to the north by tree-covered land, followed by Jerome Fire Equipment Co., Inc. and Clay Substation approximately a half-mile to the north; to the east by tree covered land, followed by Caughdenoy Road; to the south by B&C Storage Facility, followed by Freight Yard Brewing and State Route 31; and to the west by rail lines, followed by tree-covered land, agricultural land, and a rural residential development approximately a half-mile to the west.

AKRF understands that the Subject Property encompasses a portion of the greater Micron redevelopment area, which includes approximately 1,500 acres east of the Subject Property generally bound by Caughdenoy Road to the west, State Route 31 to the south, and Brewerton Road to the east. AKRF previously conducted Phase I ESAs for these parcels in June and October 2023 as summarized in Section 6.0.

The term Recognized Environmental Condition (REC) means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any 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. The term Historical Recognized Environmental Condition (HREC) means a past release that has been remediated to below "residential" standards and given regulatory closure with no use restrictions. There are also definitions for Controlled REC (CREC), which indicates that there is known contamination that is being managed by use restriction or mitigation controls, and De Minimis Condition. A De Minimis Condition is defined as an environmental concern that is not a threat to human health or the environment and would not be subject to enforcement action.

This assessment did not reveal any RECS, HRECs or CRECs at the Subject Property. A summary of the assessment findings is presented below:

Historic Recognized Environmental Conditions

- The south adjacent property, located at 4975 State Route 31, was historically owned and operated by Donald V. Sotherden (D.V. Sotherden, Inc. and Sotherden Feed and Fuel Company). Historical uses included a grain mill and coal/fuel distribution. The Sotherden property was listed in the NY SPILLS database under D.V. Sotherden and Buckeye pipeline for releases of an unknown quantity of No. 6 fuel oil (Spill date February 20, 1987) and an estimated 3,000 gallons of No. 2 fuel oil (Spill date June 26, 2004), respectively. The Spill report indicated potential impacts to the pond/small stream system running east to west through the southern portion of the Subject Property. The 1987 Spill record indicated a cleanup to standard in August 1987, and the 2004 Spill record indicated a closure date of October 19, 2005. Based on the proximity to the Subject Property, historical use of the site as a grain mill and fuel company and history of fuel releases, there is potential for soil and/or groundwater impacts to the Subject Property.

De Minimis Conditions

- Former structures were on the Subject Property, along with an access road connecting the structures to the south-adjacent D.V. Sotherden, Inc. property. Although the use of the structures is unknown, their presence potentially connects the southern end of the Subject Property to the S.V Sotherden, Inc. coal/fuel distribution business.

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- Limited amounts of metal, glass, and rubber debris and miscellaneous building materials (i.e., concrete and cinder blocks), were observed at the Subject Property.
- Historical agricultural practices and maintenance of the west adjacent rail lines may have involved the application of pesticides and/or herbicides, and track maintenance has been associated with PCBs and petroleum contamination related to the railroad ties.

Other Environmental Concerns

- According to data compiled by the New York State Department of Health, Onondaga County has an average indoor radon measurement of 8.02 picocuries/liter based on radon testing of over 9,000 homes. The USEPA recommended action level is 4.0 picocuries/liter. Onondaga County is considered a High-Risk County for radon in New York State.

Recommendations

- To support future development activities that involve soil disturbance and any potential off-site disposal, a Soil and Materials Management Plan should be prepared to identify the investigation and characterization measures to be undertaken to ascertain environmental conditions in the areas where soil disturbance is anticipated. The investigation should evaluate whether petroleum compounds, PCBs, and pesticides and/or herbicides exist as a result of railroad maintenance on the west-adjacent property, soil quality in areas of former structures with observed accumulated debris, areas where adjacent properties have documented contamination (including potential for an impact at the pond or small stream area on the southern end of the Subject Property), and for general soil characterization/handling during construction. The plan should also include contingency measures to address any areas of soil contamination, unforeseen tanks, buried debris, or other materials that are discovered during future construction, including requirements for Spill reporting and registration (for applicable tanks), and the completion of soil delineation, remediation, and/or material removals (tanks, contaminated soil, etc.) in accordance with all applicable regulations. The plan should also outline requirements for managing soil excavated as part of the development activities, including the requirements for stockpiling, characterizing, obtaining receiving facility approval for, the transporting of, and the disposal of soil. The plan should identify the federal, state and local requirements covering licensing of haulers and trucks, placarding trailers, truck routes, manifesting, etc. for all soil leaving the Subject Property.
- Radon levels should be tested in accordance with applicable regulations to determine whether mitigation is warranted for any future on-site development.

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13.0 SIGNATURE PAGE

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

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 performed all the appropriate inquiries in conformance with standards and practices set forth in 40 CFR Part 312.

Marc S. Godick, LEP
Senior Vice President

Bryan Zieroff, CPG, LEP
Senior Technical Director

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14.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the Subject Property, and to identify existing and/or potential environmental problems associated with the Subject Property.

The assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in accordance with ASTM Standard E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice.* It is intended for use as a supplement to the project site appraisal and is only to be used as a guide in determining the possible presence or absence of hazardous materials on the Subject Property at the time of the inspection. This assessment is based upon the review of readily available records relating to previous use of both the project site and the surrounding area, as well as a visual inspection of the current condition of the project site. Environmental characteristics at this site and surrounding sites may be subject to change in the future.

This Phase I Assessment is not, and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances, which can be made only with testing, and contains no formal plans or recommendations to rectify or remediate the presence of any hazardous substances which may be subject to regulatory approval. This report is not a regulatory compliance audit.

This report is based on services performed by AKRF, Inc. professional staff and observation of the project site and its surrounding area. We represent that observations made in this assessment are accurate to the best of our knowledge, and that no findings or observations concerning the potential presence of hazardous substances have been withheld or amended. The research and inspections have been carried to a level that meets accepted industry and professional standards. Nevertheless, AKRF and the undersigned shall have no liability or obligation to any party other than Micron Idaho Semiconductor Manufacturing (Triton) LLC and their successors or assignees, and AKRF's obligations and liabilities to the above, their successors or assignees is limited to fraudulent statements made, or negligent or willful acts or omissions.

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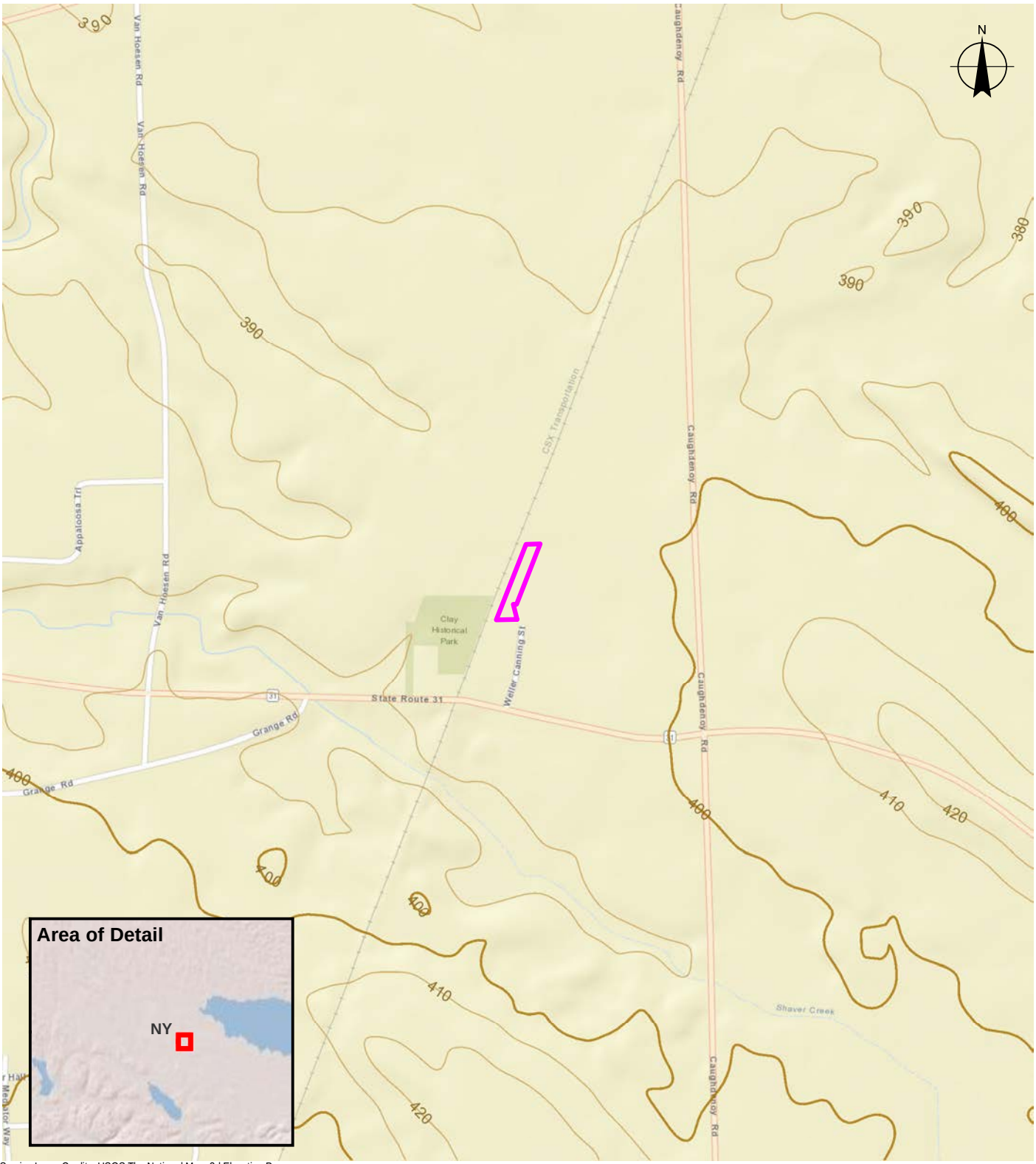
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FIGURES

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Service Layer Credits: USGS The National Map: 3d Elevation Program, Data Refreshed July, 2021

LEGEND

PROJECT SITE BOUNDARY

0 1,000 2,000

SCALE IN FEET

AKRF

440 Park Avenue South, New York, NY 10016

Micron Clay Fab Facility
Clay, New York

SUBJECT PROPERTY LOCATION

DATE **2/6/2024**

PROJECT NO. **220350**

FIGURE **1**

©2024 AKRF Q:\Projects\220350 - MICRON - CLAY FAB FACILITY\Technical\GIS and Graphics\SAR\220350 Fig 1 Subject Property Location Rail Spur.mxd 2/6/2024 2:55:14 PM mveilleux

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Aerial Source:
2020 New York State ITS GIS Orthoimagery

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database

N

LEGEND

SUBJECT PROPERTY

TAX LOT BOUNDARY

0 300 600

SCALE IN FEET

AKRF

440 Park Avenue South, New York, NY 10016

Aerial Source:
ESRI World Imagery Dec 2022.

Micron Clay Fab Facility
Clay, New York

SUBJECT PROPERTY PLAN

DATE
2/6/2024

PROJECT NO.
220350

FIGURE
2

©2024 AKRF Q:\Projects\220350 - MICRON - CLAY FAB FACILITY\Technical\GIS and Graphics\SAR\220350 Fig 2 Subject Property Plan.mxd 2/6/2024 2:39:59 PM mveilleux

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APPENDIX A
PHOTOGRAPHIC DOCUMENTATION

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Photograph 1: View of the west adjacent rail line and western Subject Property Boundary. View facing north.



Photograph 2: View of the south adjacent B&C Storage facility from the Subject Property. View facing south.



Photograph 3: General view of the Subject Property. View facing north.



Photograph 4: General view of the Subject Property. View facing east.

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Photograph 5: Rubber tire debris on Subject Property. View facing west.



Photograph 6: General metal and glass debris in western portion of Subject Property.



Photograph 7: Cinder blocks and concrete in western portion of Subject Property.



Photograph 8: Concrete outfall discharging to southwestern corner of the Subject Property from beneath west adjacent rail line. View facing southwest.

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APPENDIX B
HISTORICAL MAPS AND PHOTOGRAPHS

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Rail Spur Addition

Weller Canning Street

Clay, NY 13041

Inquiry Number: 7545784.4

January 19, 2024

EDR Historical Topo Map Report

with QuadMatch™

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

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EDR Historical Topo Map Report

01/19/24

Site Name:	Client Name:
Rail Spur Addition	AKRF, Inc.
Weller Canning Street	440 Park Avenue, South 7th Floor
Clay, NY 13041	New York, NY 10016
EDR Inquiry # 7545784.4	Contact: Bryan Zieroff

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by AKRF, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	220350	**Latitude:**	43.188283 43° 11' 18" North
Project:	Micron - Rail Spur Addition	**Longitude:**	-76.17132 -76° 10' 17" West
		UTM Zone:	Zone 18 North
		UTM X Meters:	404819.24
		UTM Y Meters:	4782389.55
		Elevation:	394.00' above sea level

Maps Provided:

2019	1898
2016	1895
2013	
1978	
1973	
1957	
1943	
1940	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2019 Source Sheets



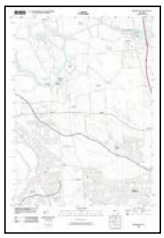
Brewerton
2019
7.5-minute, 24000

2016 Source Sheets



Brewerton
2016
7.5-minute, 24000

2013 Source Sheets



Brewerton
2013
7.5-minute, 24000

1978 Source Sheets



Brewerton
1978
7.5-minute, 24000
Aerial Photo Revised 1976

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1973 Source Sheets



Brewerton
1973
7.5-minute, 24000
Aerial Photo Revised 1972

1957 Source Sheets



Brewerton
1957
7.5-minute, 24000

1943 Source Sheets



Brewerton
1943
7.5-minute, 31680

1940 Source Sheets



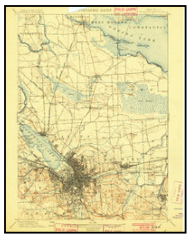
Brewerton
1940
7.5-minute, 24000

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Topo Sheet Key

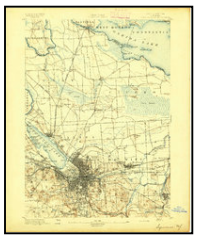
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1898 Source Sheets



Syracuse
1898
15-minute, 62500

1895 Source Sheets

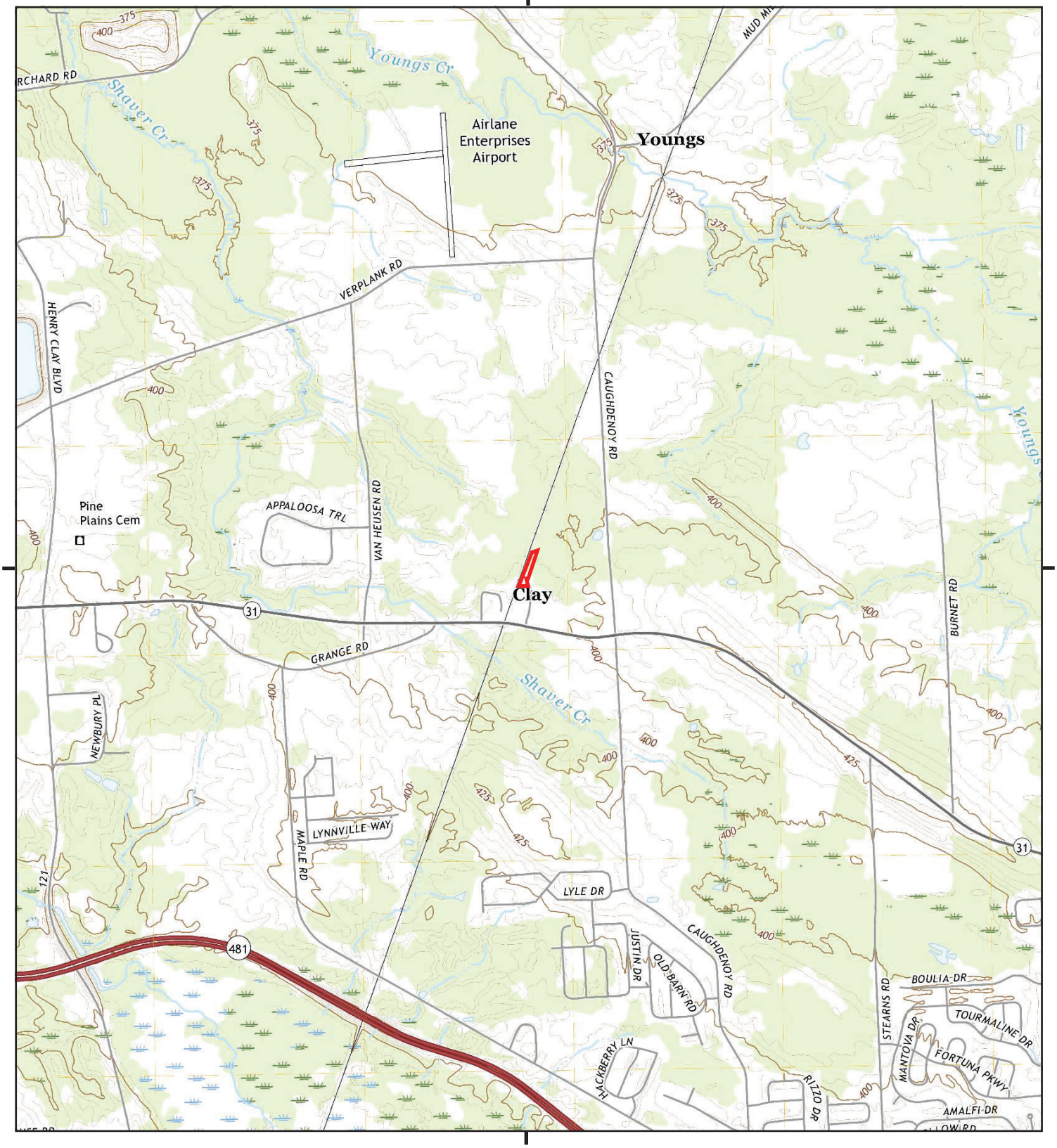


Syracuse
1895
15-minute, 62500

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Historical Topo Map

2019



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brewerton, 2019, 7.5-minute

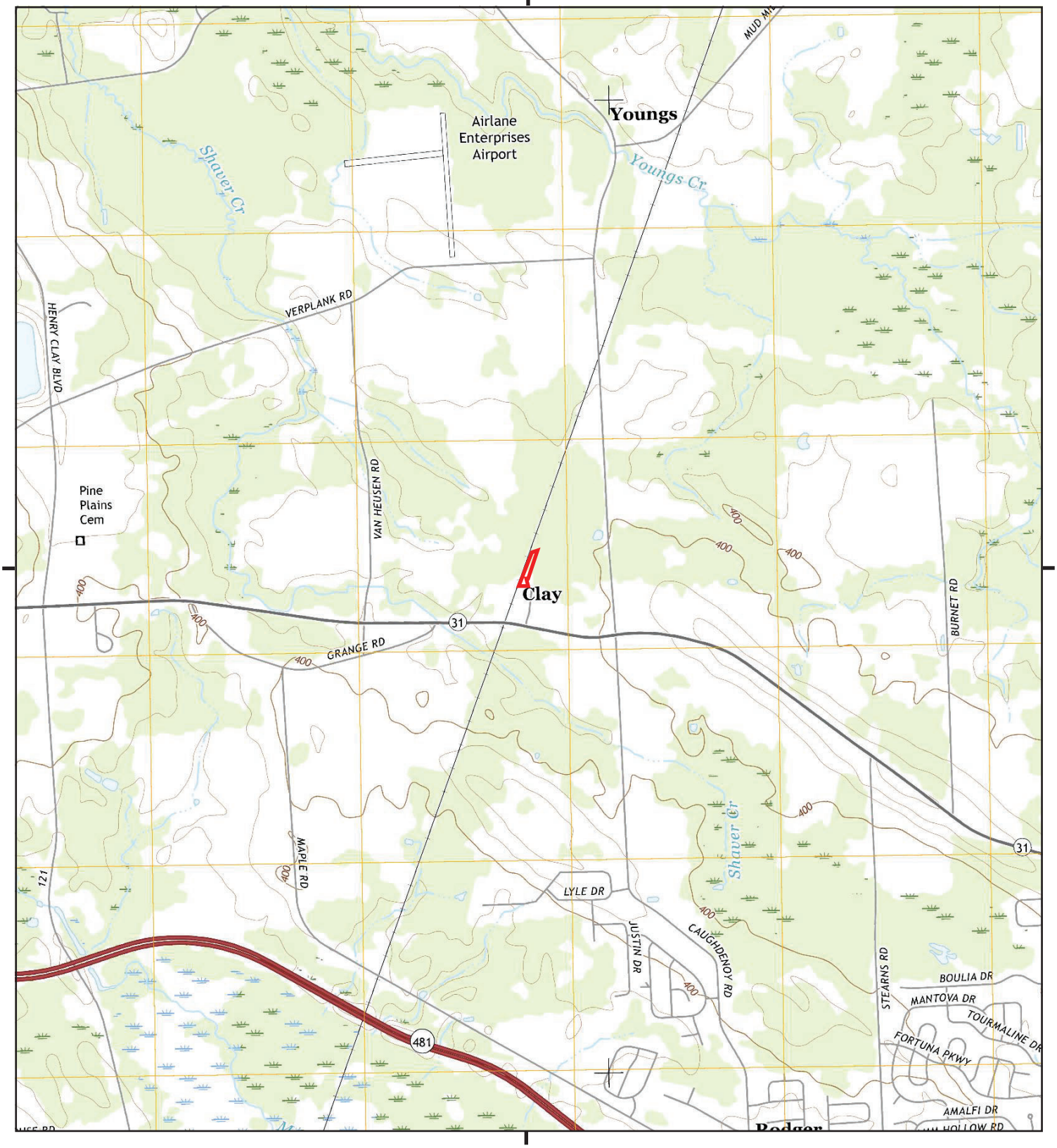
SITE NAME: Rail Spur Addition
ADDRESS: Weller Canning Street
Clay, NY 13041
CLIENT: AKRF, Inc.

N

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Historical Topo Map

2016



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brewerton, 2016, 7.5-minute

SITE NAME: Rail Spur Addition
ADDRESS: Weller Canning Street
Clay, NY 13041
CLIENT: AKRF, Inc.

N

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Historical Topo Map

2013



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brewerton, 2013, 7.5-minute

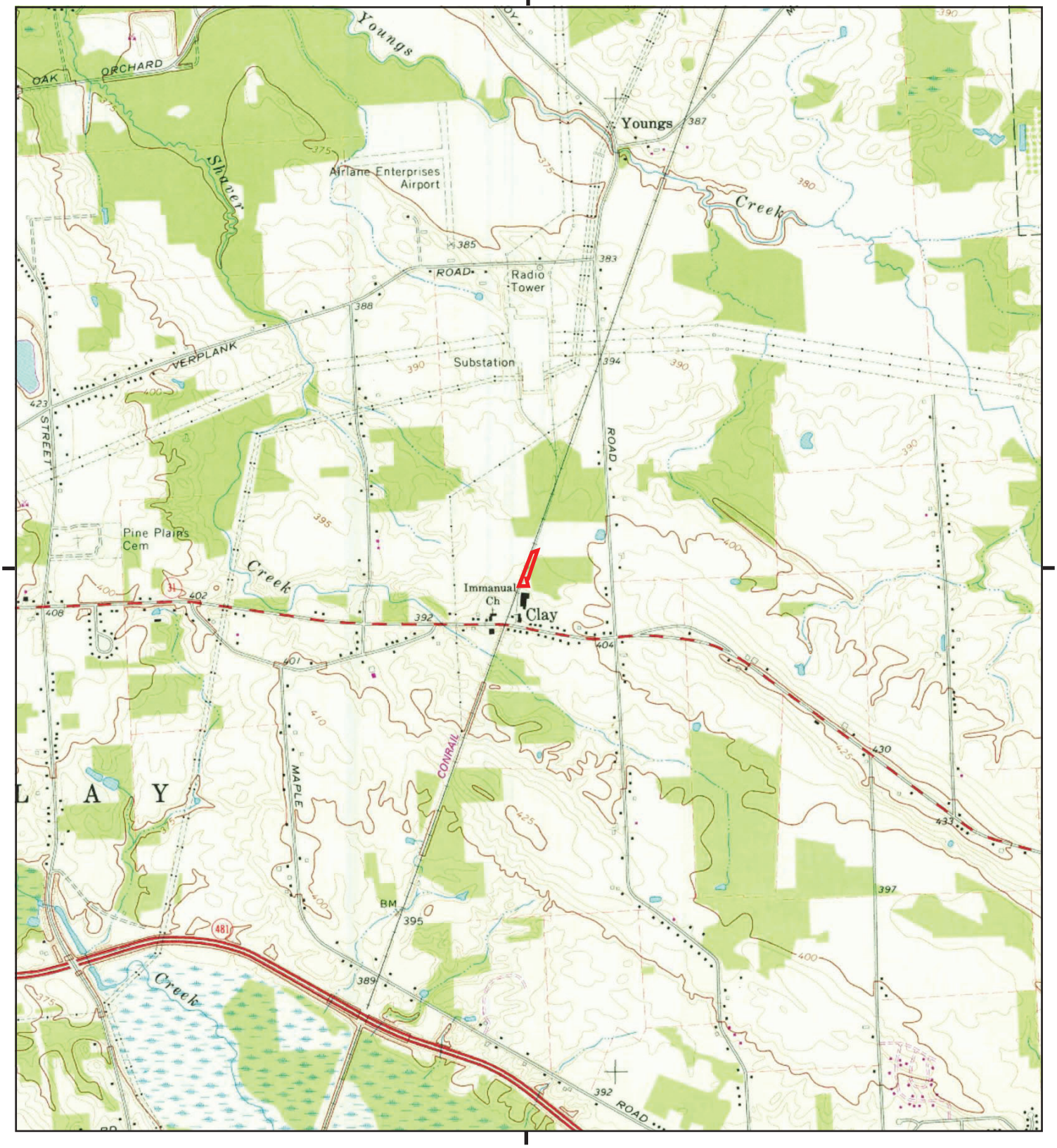
SITE NAME: Rail Spur Addition
ADDRESS: Weller Canning Street
Clay, NY 13041
CLIENT: AKRF, Inc.

N

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Historical Topo Map

1978



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brewerton, 1978, 7.5-minute

SITE NAME: Rail Spur Addition
ADDRESS: Weller Canning Street
Clay, NY 13041
CLIENT: AKRF, Inc.

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EDR

Historical Topo Map

1973



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brewerton, 1973, 7.5-minute

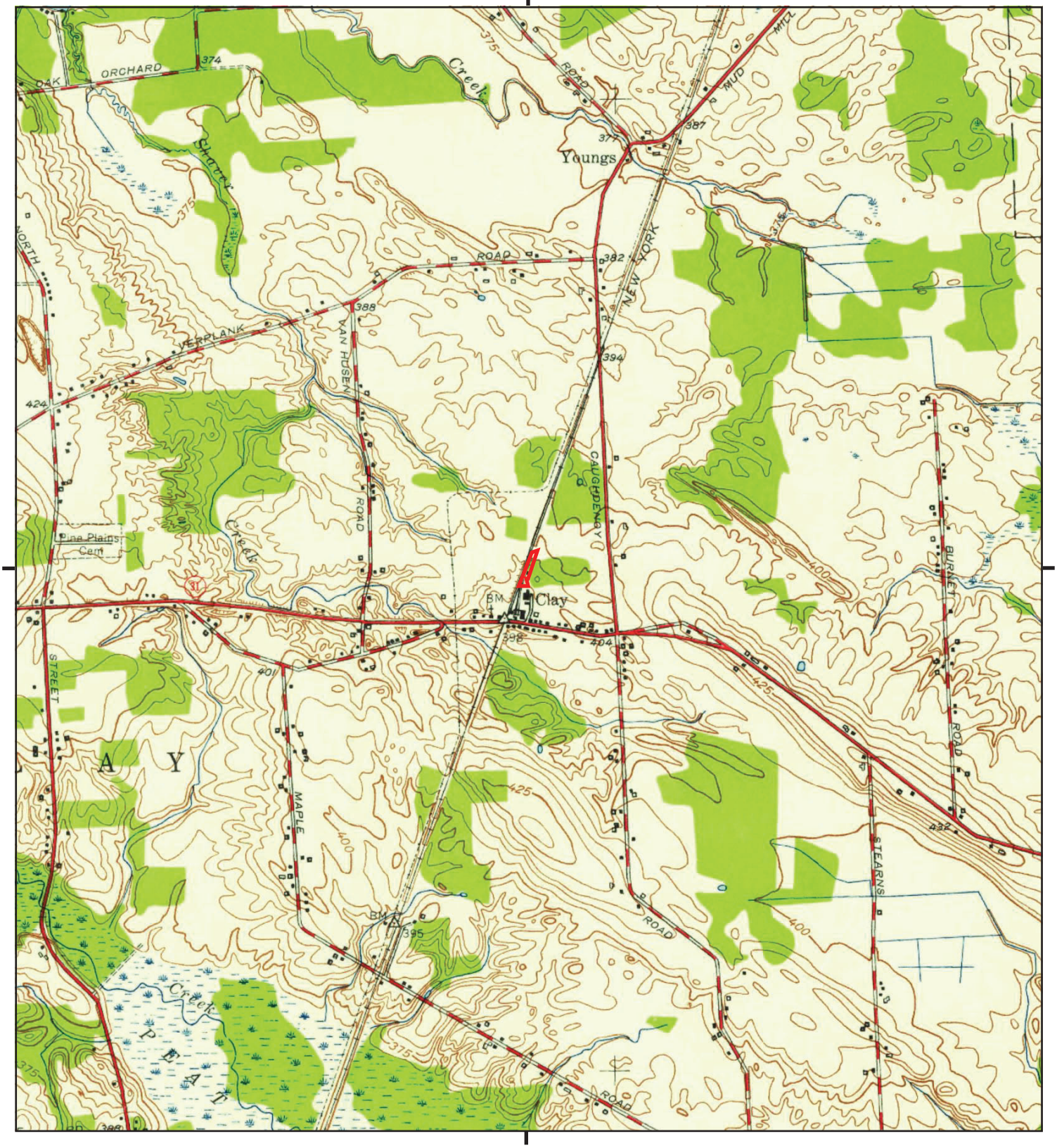
SITE NAME: Rail Spur Addition
ADDRESS: Weller Canning Street
Clay, NY 13041
CLIENT: AKRF, Inc.

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Historical Topo Map

1957



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brewerton, 1957, 7.5-minute

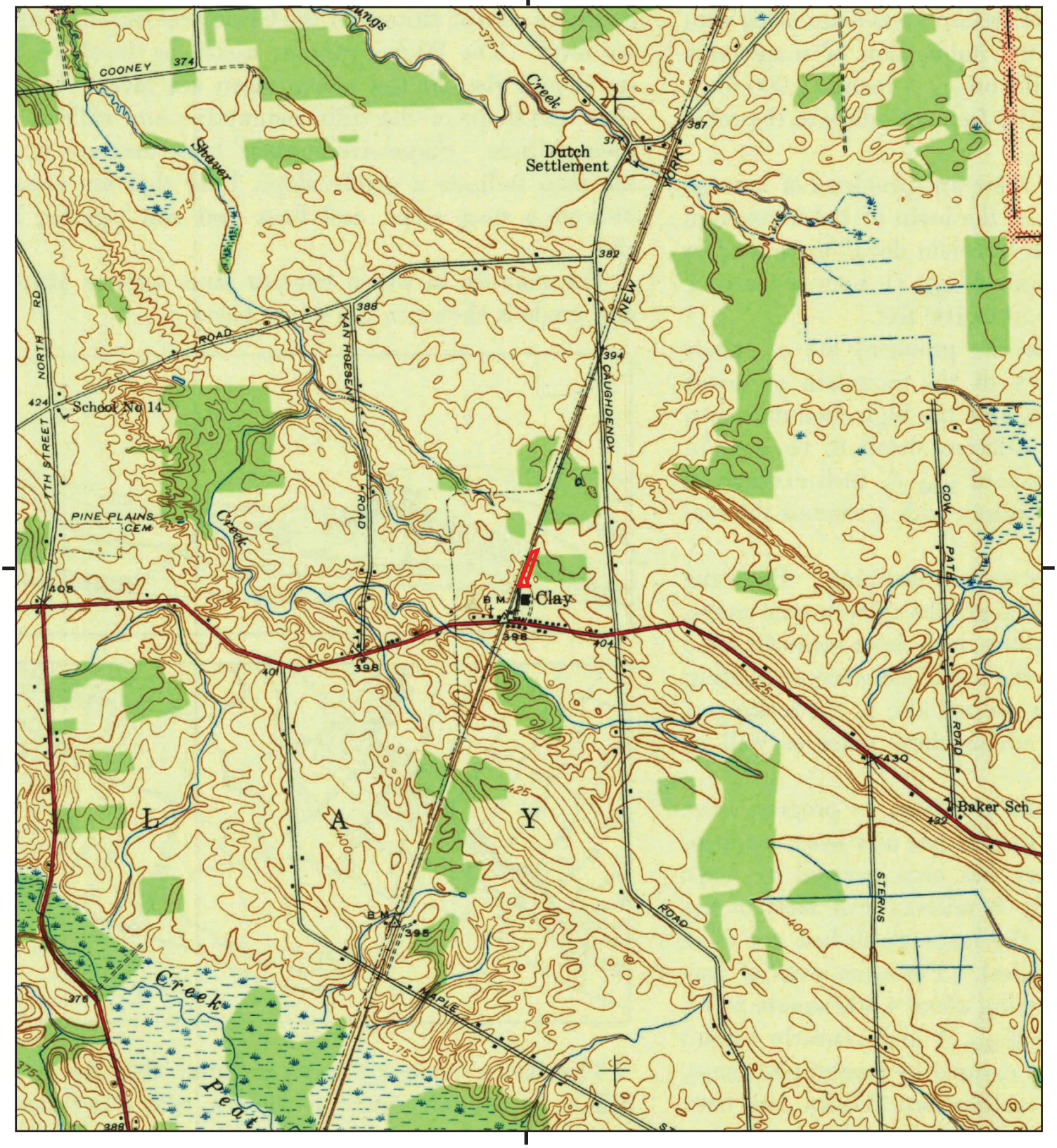
SITE NAME: Rail Spur Addition
ADDRESS: Weller Canning Street
Clay, NY 13041
CLIENT: AKRF, Inc.

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Historical Topo Map

1943



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brewerton, 1943, 7.5-minute

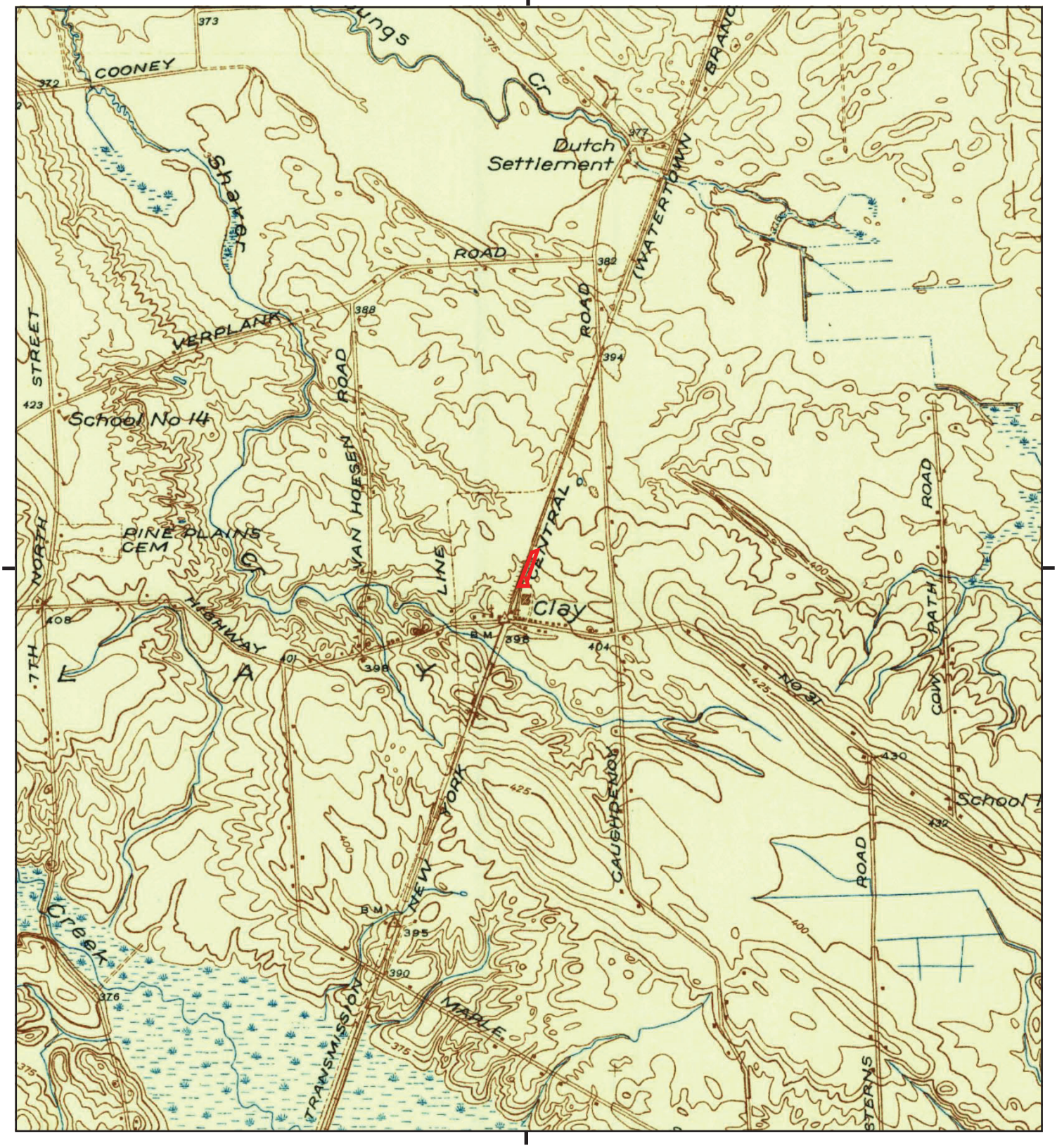
SITE NAME: Rail Spur Addition
ADDRESS: Weller Canning Street
Clay, NY 13041
CLIENT: AKRF, Inc.

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Historical Topo Map

1940



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brewerton, 1940, 7.5-minute

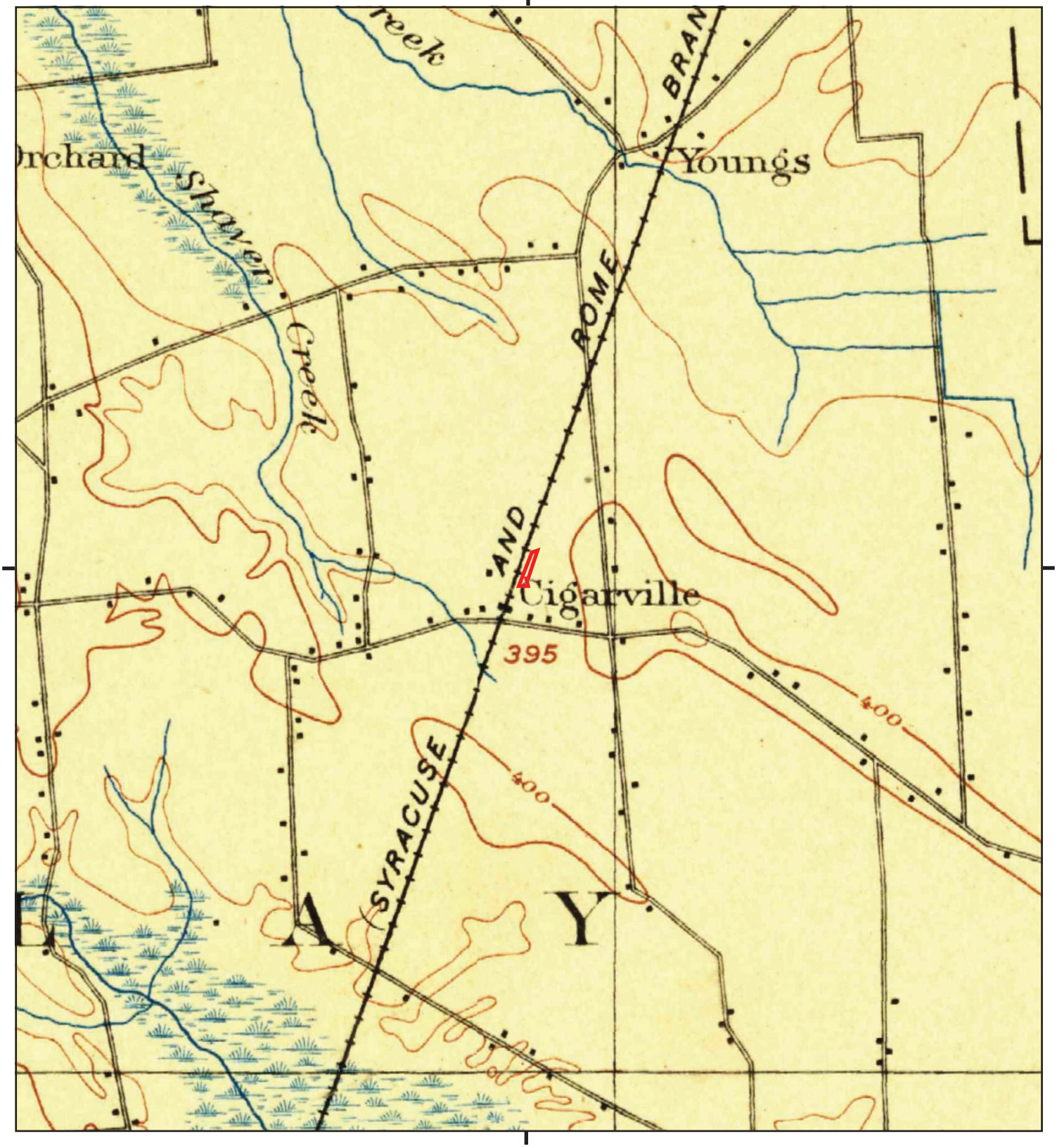
SITE NAME: Rail Spur Addition
ADDRESS: Weller Canning Street
Clay, NY 13041
CLIENT: AKRF, Inc.

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Historical Topo Map

1898



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Syracuse, 1898, 15-minute

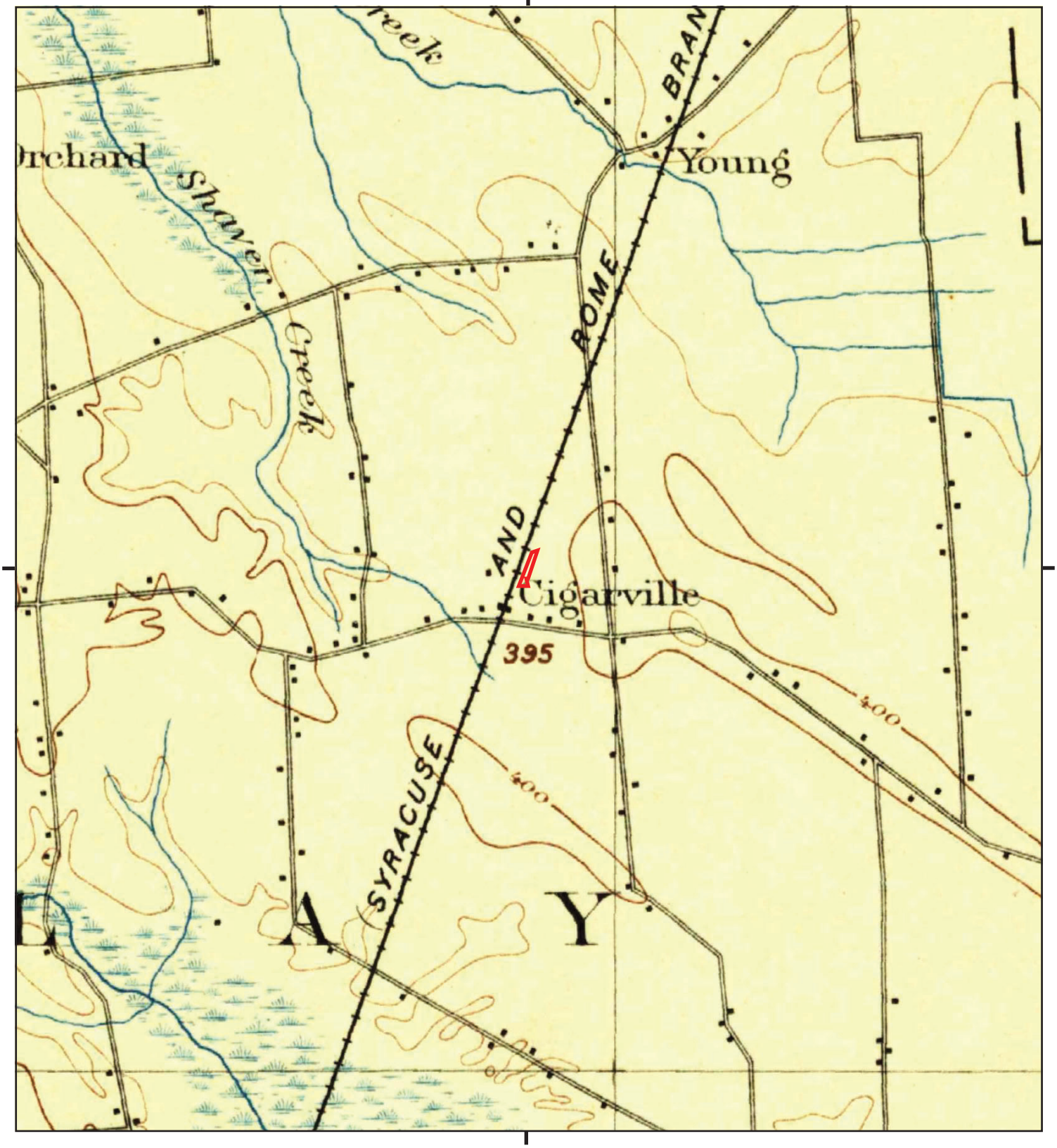
SITE NAME: Rail Spur Addition
ADDRESS: Weller Canning Street
Clay, NY 13041
CLIENT: AKRF, Inc.

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Historical Topo Map

1895



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Syracuse, 1895, 15-minute

SITE NAME: Rail Spur Addition
ADDRESS: Weller Canning Street
Clay, NY 13041
CLIENT: AKRF, Inc.

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Rail Spur Addition

Weller Canning Street

Clay, NY 13041

Inquiry Number: 7545784.8

January 19, 2024

The EDR Aerial Photo Decade Package

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

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EDR Aerial Photo Decade Package

01/19/24

Site Name:

Rail Spur Addition
Weller Canning Street
Clay, NY 13041
EDR Inquiry # 7545784.8

Client Name:

AKRF, Inc.
440 Park Avenue, South 7th Floor
New York, NY 10016
Contact: Bryan Zieroff

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2019	1"=500'	Flight Year: 2019	USDA/NAIP
2015	1"=500'	Flight Year: 2015	USDA/NAIP
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2003	1"=500'	Flight Date: April 25, 2003	USGS
1995	1"=500'	Acquisition Date: March 27, 1995	USGS/DOQQ
1994	1"=500'	Flight Date: April 22, 1994	USGS
1988	1"=500'	Flight Date: October 31, 1988	NYDOT
1985	1"=500'	Flight Date: April 29, 1985	USDA
1978	1"=500'	Flight Date: May 24, 1978	USDA
1966	1"=500'	Flight Date: June 22, 1966	USDA
1962	1"=500'	Flight Date: May 06, 1962	USGS
1956	1"=500'	Flight Date: May 07, 1956	USGS
1951	1"=500'	Flight Date: October 15, 1951	USDA
1938	1"=500'	Flight Date: September 05, 1938	USDA

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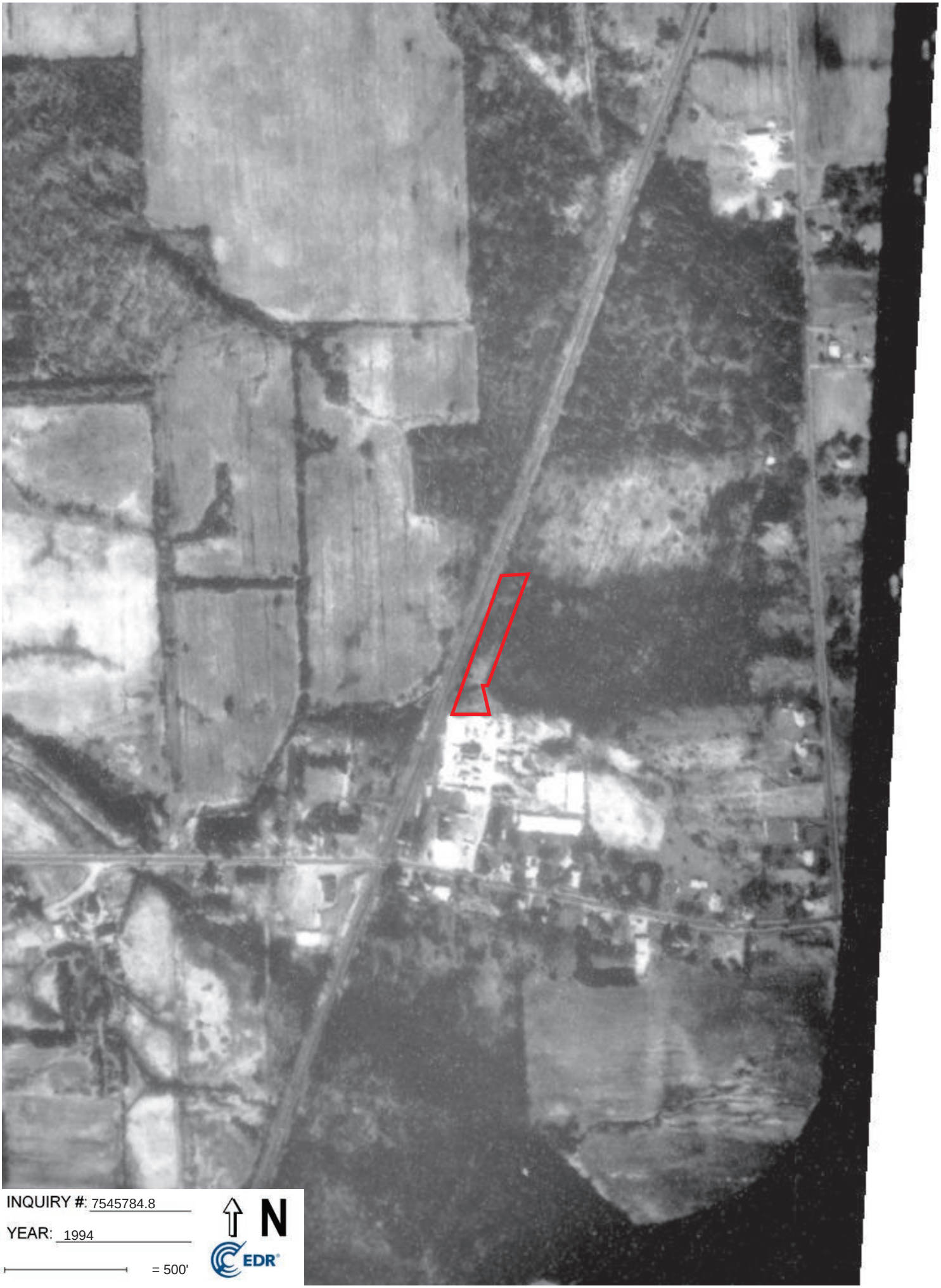
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APPENDIX C
CITY DIRECTORIES

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Rail Spur Addition
Weller Canning Street
Clay, NY 13041

Inquiry Number: 7545784.5
January 30, 2024

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2020	☑	☑	EDR Digital Archive
2017	☐	☑	Cole Information
2014	☐	☑	Cole Information
2010	☐	☑	Cole Information
2005	☐	☑	Cole Information
2000	☐	☑	Cole Information
1995	☐	☑	Cole Information
1992	☐	☑	Cole Information
1987	☐	☐	Polk's City Directory
1982	☐	☐	Polk's City Directory
1977	☐	☐	Polk's City Directory
1972	☐	☐	Polk's City Directory
1967	☐	☐	Polk's City Directory
1963	☐	☐	Polk's City Directory

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FINDINGS

TARGET PROPERTY STREET

Weller Canning Street
Clay, NY 13041

Year	CD Image	Source	
WELLER CANNING ST			
2020	pg A7	EDR Digital Archive	
2017	-	Cole Information	Street not listed in Source
2014	-	Cole Information	Street not listed in Source
2010	-	Cole Information	Street not listed in Source
2005	-	Cole Information	Street not listed in Source
2000	-	Cole Information	Street not listed in Source
1995	-	Cole Information	Street not listed in Source
1992	-	Cole Information	Street not listed in Source
1987	-	Polk's City Directory	Street not listed in Source
1982	-	Polk's City Directory	Street not listed in Source
1977	-	Polk's City Directory	Street not listed in Source
1972	-	Polk's City Directory	Street not listed in Source
1967	-	Polk's City Directory	Street not listed in Source
1963	-	Polk's City Directory	Street not listed in Source

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FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*	
ROUTE 31			
1992	pg. A32	Cole Information	
1987	-	Polk's City Directory	Street not listed in Source
1982	-	Polk's City Directory	Street not listed in Source
1977	-	Polk's City Directory	Street not listed in Source
1972	-	Polk's City Directory	Street not listed in Source
1967	-	Polk's City Directory	Street not listed in Source
1963	-	Polk's City Directory	Street not listed in Source
STATE ROUTE 31			
2020	pg. A2	EDR Digital Archive	
2017	pg. A8	Cole Information	
2014	pg. A12	Cole Information	
2010	pg. A17	Cole Information	
2005	pg. A22	Cole Information	
2000	pg. A27	Cole Information	
1995	pg. A29	Cole Information	

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City Directory Images

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STATE ROUTE 31 2020

4081	CLAIRE'S
	LIBERTY TRAVEL
	NANCY'S COFFEE CAFE
	TIME OUT FAMILY AMUSEMENT CTR
	WETZEL'S PRETZELS
4106	CHRIS DARDANO
	CHRISTINA LOVEALL
	CLAY FIT BODY BOOT CAMP
	CORRIGAN SALON & SPA
	DAN LA RUSSO
	DON GENDRON
	DONAVAN PIETERSE
	JIM HARRIFF
	JUDY BOYKE
	KEVIN WITMER
	KIM TRETOWICZ
	MARTIN CARPENTER
	MARTIN CARPENTER REALTOR
	MELANIE EGAN
	MUSIC & ARTS
	MUZET INC
	PATTY HARROUN
	QWENN MCDONALD
	RE/MAX REALTY PLUS
	ROGER SCHLEICHER
	SCOTT SCHLEICHER
	STEVE NICHOLS
	TRACEY KLINE
4112	FIRESTONE COMPLETE AUTO CARE
4118	BARRY MAINE
	LARRY BARNETTE
	MARK WILLIAMS
	SEAN OATES
	STAPLES
	UPS ALLIANCE SHIPPING PARTNER
4124	APRIL MARINO
	TRISHA LEO
4125	OLIVE GARDEN ITALIAN KITCHEN
	PARK & RIDE
4130	EDIBLE ARRANGEMENTS
	OLIVE ON BROOKLEA LIC
	SEXTON ENTERPRISES INC
4136	FLEET FEET
	RICHARD POWELL
	SUMMIT PHYSCIAL THERAPY
	SUMMIT PHYSICAL THERAPY LLC
	WAYNE KINGSBURY
4138	CLOTHES MENTOR
4145	ATM
	BJ'S WHOLESALE CLUB

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STATE ROUTE 31 2020 (Cont'd)

4154	JOANN FABRICS & CRAFTS
	KEVIN BRENNAN
	MARKETFAIR NORTH PLAZA
	MONICA PAYBARAH
	VSM SEWING INC
4155	ANDREA STONE
	ATM
	AV INTERTADE LIC
	BATH & BODY WORKS
	BECKY THOMAS
	BILL'S CARPET SVC
	BLACKMER EYEWEAR
	CELL PHONE & COMPUTER
	CHRISTOPHER & BANKS-MPW
	CNY GYM CTR
	DAKOTA WATCH CO
	DICK'S SPORTING GOODS
	FANCY CAT
	GERTRUDE HAWK CHOCOLATES
	GREAT NORTHERN MALL A SIMON
	JAY FEOLA
	LARGER THAN LIFE TOYS & COMICS
	LENSCRAFTERS
	MATTHEWS HALLMARK
	MEGHAN GORMAN
	NICK'S PLACE
	OLD NAVY
	REGAL ENTERTAINMENT GROUP
	REGAL GREAT NORTHERN MALL 10
	RETIAL LUXOTTICA INC
	RICHARD MALARA
	SANDY'S CANDLES
	SHOE DEPT
	SPENCER'S
	SUBWAY
	T-MOBILE
	UNDERGROUND RC RACEWAY-HOBBIES
	UNIQUE CIGS INC
	VILLARI'S MARTIAL ARTS CTR
	YANKEE CANDLE CO
4160	ARTISTIC FRAMING
	GINO & JOE'S PIZZA
	MICRO GAME
	MICROGAME VIDEO GAME
	MONDO OPTICAL
	ORECK CLEAN HOME CTR
	VIP NAILS
4170	METROPOLITAN WATER BOARD
	ONONDAGA COUNTY ANIMAL DISEASE
4182	KAYLENE TAYLOR

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STATE ROUTE 31 2020 (Cont'd)

4182	LA-Z-BOY HOME FURNSNGS & DECOR
4206	DUNKIN'
	SUBWAY
4251	EVELYN FATCHERIC
	ROBERT FATCHERIC
4269	DEXTER PROCTOR
	SIRENA WOODS
4273	SHAYLA SKIPP
	TEDDY RANKIN
4277	ALEXANDER TARR
	BRENDA GREER
4285	ATM
	EUCLID RESTAURANT
4291	CLAY HAIR & NAIL SALON
4297	ANTHONY MATRONE
	CHIPP CHIPPY
4303	CHRIS SPEARANCE
	MARY SPEARANCE
4315	MICHAEL CLARK
	VALERIE GAYLORD
4323	CAROLE GAYLORD
	FREDERICK GAYLORD
4356	OG GREEN THUMBZ HYDROPONI
4374	NATALE IMBESI
	ROSETTA IMBESI
4383	BILL PELKEY
	CLAY VOLUNTEER FIRE DEPT INC
	DAVID BIRARDI
	JANIS STUCKEY
	JIM GRACIEVSKI
	MIKE GRIGG
	RAYMOND LOWE
	SCOTT SPIER
	STEVE AVERY
	STUART FUTRELL
	SUSAN NELSON
	TIM DICKERSON
4398	TRINITY ASSEMBLY OF GOD
4401	ANIMAL CONTROL
	CLAY TOWN JUSTICES
	TOWN OF CLAY
4444	EARLEEN DERYCKE
	HAROLD DERYCKE
4470	DOUGLAS DERYCKE
4483	CLAY HIGHWAY DEPT
4531	ALLSTATE FINANCIAL SVC
	EXPECTATIONS
	JOHN PALMER
4612	AUSTIN NIESET
4618	HEATHER PALUMBO

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STATE ROUTE 31 2020 (Cont'd)

4618	JOSEPH PALUMBO
4642	ADAM DELONG
	COLLEEN DELONG
	ROBERT DELONG
	SUSAN DELONG
4650	WILLIAM GOIKE GREENHOUSES
4664	PHILLIP FIFIELD
4668	MICHAEL BELZ
4724	JASON CARR
	MELISSA WOODCOCK
4793	AMY GILLESPIE
	FRANK GILLESPIE
	JEFFREY GILLESPIE
	PATRICIA GILLESPIE
	ROBERT GILLESPIE
4800	BEACON BAPTIST CHURCH
	VICTOR WATKINS
4801	ALBA DEJESUS
	JESUS ORTIZ
4913	CHANDRA WEISS-BRONSTAD
	GORDON PERKINS
	LAN'S FLOWER FARM
	M V WEISS & ASSOC
	MARK WEISS
	MATTHEW WEISS
4924	CARMELINA GERVASIO
	JAMES GERVASIO
4933	ANDREW KULAS
	CHARLES BULLARD
4945	CHRIS WADLEIGH
4947	IMMANUEL LUTHERAN CHURCH
4966	DOUGLAS RAUGHT
	KIM SPENCER
4972	BARBARA DICKSON
4987	ANDREW GROSSO
	BARBARA WESTCOTT
	CARRIE WILLIAMS
4994	MATTHEW SULLIVAN
	PATRI FERGUSON
5000	JENNIFER DUNSMORE
5001	CAYLA AUSTIN
	DAVID LEAF
	NORMAN GOSS
	PATRICIA SUPERNAULT
5010	JOANN GAUDETTE
	THOMAS CARMONA
5011	ELIZABETH HAAHR
	ROBERT HAAHR
5012	DOUGLAS KOCHER
	JUSTIN KOCHER

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STATE ROUTE 31 2020 (Cont'd)

5018	DALE MILLER
5030	KELLY OSIER
	MICHAEL ARAGONA
5041	AMANDA BOHNE
	ASHLIE BOHNE
	CHRISTOPHER BOHNE
	MICHAEL BOHNE
	TAMMY BOHNE
5064	JAMES HARVARD
	KRISTA DELANO
5181	AMY ANELLI
	NOELLE REAKES
5252	CNY VETERINARY SVC AT ANIMAL
5300	BRUCE BAEHR
	GRACE EVANGELICAL COVENANT CHR
	KELSEY KOTASH
	KIMBERLY MERRILL
5332	CLIFTON RECYCLING INC
	DAVID CHARRON
5334	GARY SCHAAP
	GARY'S EQUIPMENT CO INC
5363	CEPHAS BLYDEN
	CHRISTINA HOBIN
5366	JAMES MCLOUGHLIN
5367	COMMUNITY NORTH CHR NAZARENE
	UPSTATE DISTRICT CHURCH
	UPSTATE NY DISTRICT CHURCH
5376	BRAD BOISEY
5380	SANDRA BIELSKI
5432	ANTHONY DESANTIS
	ANTHONY SANTIS
	BRIAN DESANTIS
	CODY DESANTIS
	MARION DESANTIS
	MICHAEL DESANTIS
	POLLY DESANTIS
5511	CONSTANCE FISCHER
	JOHN FISCHER
	KELLEY FISCHER
5601	AFFORDABLE BRACES SYRACUSE
	AUTOMATIC APPLIANCE SVC

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WELLER CANNING ST 2020

4600 OFK BOAT & AUTO STORAGE

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STATE ROUTE 31 2017

4081	AIRWAVES WIRELESS
	AMERICAN EAGLE OUTFITTERS
	BATH & BODY WORKS
	BILLS CARPET SVCE
	BRANCHS DRIVING SCHOOL INC
	CJ BANKS
	CLAIRES
	CNY GYM CENTRE
	CRAZY 8
	DRESSBARN
	FAMOUS WOK
	FINISH LINE
	FRIENDLYS
	GERTRUDE HAWK CANDY SHOP INC
	GNC
	GO CALANDERS GAMS & TOYSE
	HEALTH & COMFORT
	INTOUCH WIRELESS
	JB ROBINSON JEWELERS
	LENSCRAFTERS
	LUXOTTICA
	MACYS
	MUSIC MELODY MANOR INC
	NAIL MASTER
	OLD NAVY
	PAYLESS SHOESOURCE
	PIERCING PAGODA
	RAINBOW ZEN
	RUE21
	SEARS
	SEBASTIANO HAIR STUDIO
	SPENCER GIFTS
	SUBWAY
	SUNGLASS HUT
	TACO BELL
	UNIQUE CIGS INC
	VICTORIAS SECRET & PINK
	W & C EATERY LLC
	YANKEE CANDLE
4100	PIER 1 IMPORTS
4106	CARPENTER MARTIN REALTOR
	CORRIGAN SALON SPA
	MUSIC & ARTS CENTER
	MUZET INC
	ONONDAGA FLOORING
	RE MAX
	TUXEDO JUNCTION
4112	FIRESTONE COMPLETE AUTO CARE
4118	STAPLES
4124	AC MOORE

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STATE ROUTE 31 2017 (Cont'd)

4125	OLIVE GARDEN ITALIAN RESTAURANT
4130	HOUSEHOLD FINANCE CORPORATION
	LIEHS & STEIGERWALD
	OLIVE ON BROOKLEA LLC
	YOGURT CITY CLAY INC
4136	FLEET FEET SPORTS
4138	CLOTHES MENTOR
4145	BJS OPTICAL
	BJS WHOLESALE CLUB
	VERIZON WIRELESS
4154	JOANN FABRICS & CRAFTS
	VSM SEWING
4155	AIRWAVES WIRELESS INC
	AMERICAN EAGLE OUTFITTERS
	BATH & BODY WORKS
	BILLS CARPET SVCE
	BRANCHS DRIVING SCHOOL INC
	CELL PHONE & COMPUTER
	CJ BANKS
	CLAIRES
	CNY GYM CENTRE
	CRAZY 8
	DRESSBARN
	DUNKIN DONUTS
	FAMOUS WOK
	FINISH LINE
	FOOT LOCKER
	GERTRUDE HAWK CANDY SHOP INC
	GN HEARING CARE CORPORATION
	GREAT NORTHERN MALL
	HALLMARK
	HEALTH & COMFORT
	HILL INSURANCE SERVICE LLC
	INTOUCH WIRELESS
	JB ROBINSON JEWELERS
	JUSTICE
	LENSCRAFTERS
	LITTMAN JEWELERS
	LUXOTTICA
	MACYS
	MATTHEWS HALLMARK SHOP
	MUSIC MELODY MANOR INC
	OLD NAVY
	RAINBOW ZEN
	REGAL CINEMAS GREAT NORTHERN MALL 10
	RUE21
	SANDYS CANDLES
	SEARS
	SEARS APPLIANCE REPAIR
	SEARS HEARING BY BELTONE

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STATE ROUTE 31 2017 (Cont'd)

4155	SPENCER GIFTS
	SUBWAY
	THE SHOE DEPT
	TIMEOUT FAMILY AMUSMNT CENTERS
	TUXEDO JUNCTION
	ULTIMATE ATHLETICS
	UNIQUE CIGS INC
	YANKEE CANDLE
4160	ARTISTIC FRAMING
	GINO & JOES PIZZA
	LEIHS & STEIGERWALD
	MICRO GAMES
	MONDO OPTICAL
	ORECK
	ORECK CLEAN HOME CENT V
	VIP NAILS
4170	METROPOLITAN WATER BOARD
4182	LAZBOY FURNITURE
4206	DUNKIN DONUTS
	SUBWAY
4251	FATCHERIC, ROBERT
4269	WOODS, SIRENA L
4285	EUCLID RESTAURANT
	EUCLID RESTAURANT & BAR
4291	CONTEMPO HAIR DESIGN
4303	SPEARANCE, MARYBELLE B
4315	GAYLORD, VALERIE K
4323	GAYLORD, FREDERICK J
4374	IMBESI, NATALE
4376	BERTOLLINI, CHARLENE
4383	CLAY FIRE DEPT
4398	TRINITY ASSEMBLY OF GOD
4401	TOWN OF CLAY
4430	LEIHS & STEIGERWALD
4470	DERYCKE, HAROLD P
4483	TOWN OF CLAY
4531	ALLSTATE
	ANTHONY FALSO INSURANCE AGENT
	DUROQUALITY BUILDERS & CONTRACTORS
	EXPECTATIONS
4541	JESSMORE AUTO SALES
4612	TISCHENKO, NICHOLAS W
4650	GOIKE GREENHOUSES
4732	PUCHYR, JOYCE P
4793	GILLESPIE, FRANK A
4800	BEACON BAPTIST CHURCH
4801	HOSPITALITY RESTAURANT GROUP
4913	PERKINS, GORDON W
4933	KULAS, ALISON
4948	TOWN OF CLAY

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STATE ROUTE 31 2017 (Cont'd)

4948	TOWN OF CLAY SENIOR CENTER
4966	MECH, DAVID L
4975	ENGLISH, ALICIA
	LEBLANC, MICHAEL J
4976	DICKSON, RICHARD J
4985	STEPANEK, FRANK N
4993	BATTIN, ELIZA J
	HORAK, RENEE
4994	SULLIVAN, MATTHEW
5000	FRASCATORE, JAMES A
5001	SAUNDERS, JAMES
5009	COOPER, A
5010	BUTTARO, LAURIE H
	GAUDETTE, LOUIS N
	MCGLONE, KAREN R
	SOTHERDEN, SCOTT A
5011	HAAHR, ROBERT G
5012	KOCHER, JUSTIN R
5030	ARAGONA, MICHAEL J
5035	CLARK, LLOYD H
5041	BOHNE, MICHAEL A
5064	RONEY, JUDY
5170	MCVEY, JUSTIN C
	MCVEY, MONICA
5181	ANELLI, ANDREW
	SCHREIB, KRISTIN A
5252	CNY VETERINARY SERVICES AT ANIMAL KI
	JOHN DAVIS DVM
	SCOTT LESCALLEETT DVM
5267	HOUDE, WAYNE A
5284	WALDRON, ROBERT J
5300	GRACE EVANGELICAL COVENANT CHURCH
5334	GARYS EQUIPMENT CO INC
5363	HOBIN, BRIAN P
5366	MCLOUGHLIN, JAMES A
5376	BOISEY, BRAD M
5402	HANEY, JOHN W
5432	DESANTIS, BRIAN
5511	FISCHER, JOHN C

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STATE ROUTE 31 2014

4081	AEROPOSTALE
	DEB SHOPS
	FINISH LINE
	GNC
	HOSPITALITY RESTAURANT GROUP
	LENSCRAFTERS
	LIBERTY TRAVEL
	MACYS
	NAIL MASTER
	PIERCING PAGODA
	SBARRO
	SEARS AUTO CENTER
	SEBASTIANO HAIR STUDIO
	TUTOR TIME
	W & C EATERY LLC
4100	PIER 1 IMPORTS
4106	CARPENTER MARTIN REALTOR
	CORRIGAN SALON SPA
	JOANN FABRICS & CRAFTS
	MUSIC & ARTS CENTER
	MUZET INCORPORATED
	RE MAX
4118	CLARK FAIR LLC
	STAPLES
4124	A C MOORE INCORPORATED
	AC MOORE
4136	FLEET FEET SYRACUSE INCORPORATED
4145	BJS OPTICAL
	BJS WHOLESALE CLUB
	MONRO MUFFLER BRAKE & SERVICE
4148	LENNONS JEWELERS
4154	VSM SEWING INCORPORATED
4155	AIRWAVES WIRELESS INCORPORATED
	AMERICAN EAGLE OUTFITTERS
	AVIS
	BARN DRESS
	BATH & BODY WORKS
	BEAUTY PLUS SALON
	BEST OF TLC GIFTS
	BILLS CARPET SERVICE
	BRANCHS DRIVING SCHOOL INCORPORATED
	CELL PHONE & COMPUTER
	CHARLOTTE RUSSE
	CHRISTOPHER & BANKS
	CJ BANKS
	CLAIRES STORES INCORPORATED
	CNY GYM CENTRE
	CRAZY 8
	CZR & CO HAIR DESIGN
	DAKOTA WATCH COMPANY

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STATE ROUTE 31 2014 (Cont'd)

4155 DICKS SPORTING GOODS
DRESSBARN
DUNKIN DONUTS
FAMOUS WOK
FOOT LOCKER
FRIENDLYS
FYE
GAMESTOP
GERTRUDE HAWK CANDY SHOP INCORPORATE
GN HEARING CARE CORPORATION
GO CALENDARS GAMES & TOYS
GREAT NORTHERN MALL
HALLMARK
HEALTH & COMFORT
HIS N HER PERFUMES
HOLLISTER
INTOUCH WIRELESS
JB ROBINSON JEWELERS
JOURNEYS
JUSTICE
KAY JEWELERS
LARGER THAN LIFE TOYS & COMICS
LITTMAN JEWELERS
LUXOTTICA RETAIL INCORPORATED
MUSIC MELODY MANOR INCORPORATED
NAIL SPA EXPERTS
OLD NAVY
RAINBOW ZEN
REGAL CINEMAS GREAT NORTHERN MALL 10
REGIS SALONS
RUBY TUESDAY
RUE21
SBARRO
SEARS
SEARS HEARING CENTER BY BELTONE
SPENCER GIFTS
SUBWAY SANDWICHES
THE CHILDRENS PLACE
THE SHOE DEPT
THINGS REMEMBERED
TOYS R US
TUXEDO JUNCTION
TUXEDO JUNTION GREAT NORTHERN MALL
ULTIMATE ATHLETICS
UNIQUE CIGS INCORPORATED
VICTORIAS SECRET
WET SEAL
YANKEE CANDLE
YOGEN FRUZ
ZUMIEZ INCORPORATED

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STATE ROUTE 31 2014 (Cont'd)

4160	ARTISTIC FRAMING
	CPAP EXPRESS
	GINO & JOES PIZZA
	MICRO GAMES
	MONDO OPTICAL
	ORECK
	VIP NAILS
4170	COUNTY OF ONONDAGA
	METROPOLITAN WATER BOARD
	MWB
4182	LAZBOY FURNITURE
4206	SUBWAY SANDWICHES
	SYRACUSE FOOD SERVICE GROUP
4251	GALLARDO, PATRICIA M
4255	OCCUPANT UNKNOWN,
4273	COLUNIO, MARIGRACE
4285	EUCLID RESTAURANT & BAR
4291	CONTEMPO HAIR DESIGN
4297	OCCUPANT UNKNOWN,
4303	SPEARANCE, RICHARD D
4307	JOCELYN, WILLIAM E
4315	GAYLORD, VALERIE K
4323	GAYLORD, FREDERICK J
4374	IMBESI, NATALE
4376	PRECOURT, AMANDA
4383	CLAY FIRE DEPT
4398	HERTWECK THOMAS J REV
	TRINITY ASSEMBLY OF GOD
4401	TOWN OF CLAY
4430	LEIHS & STEIGERWALD
4444	DERYCKE, HAROLD P
4470	OCCUPANT UNKNOWN,
4483	ONONDAGA COUNTY SHERIFFS OFFICE
4531	ANTHONY FALSO AGENCY INCORPORATED
	CNY GARAGE DOOR
	DURO QUALITY BUILDERS & CONTRACTORS
	EXPECTATIONS
	FALSO ANTHONY INSURANCE AGENT
	GARY KATZ ALLSTATE PERSONAL FINANC
4541	JESSMORE AUTOMOBILE SALES
4553	OCCUPANT UNKNOWN,
4612	NIESET, AUSTIN
4642	OCCUPANT UNKNOWN,
4648	GOIKE, WILLIAM M
4650	GOIKE GREENHOUSES
4664	FIFIELD, PHILLIP C
4668	BELZ, MICHAEL J
4724	OCCUPANT UNKNOWN,
4732	PUCHYR, JOYCE P
4793	GILLESPIE, FRANK A

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STATE ROUTE 31 2014 (Cont'd)

4800	BEACON BAPTIST CHURCH
4801	ORTIZ, JESUS A
4913	WEISS, MARK J
4924	ARNDT, GREGORY W
4933	BULLARD, CHARLES S
4945	LEONARD, TINA A
4947	CHURCH IMMANUEL
4948	TOWN OF CLAY SENIOR CENTER
4966	OCCUPANT UNKNOWN,
4972	DICKSON, RICHARD J
4975	COIR, ADELE
	ENGLISH, ALICIA
4976	OCCUPANT UNKNOWN,
4985	STEPANEK, FRANK N
4987	OCCUPANT UNKNOWN,
	WILLIAMS, LINDA M
4993	BATTIN, ELIZA J
	FULTZ, JANE
	HIRSCH, MICHAEL A
4994	SULLIVAN, MATTHEW
5000	FRASCATORE, JAMES A
	JAF HOME INSPECTION SERVICE
5001	LEONARD, TERESA M
	SUPERNAULT, BETHANN
5009	CANFIELD, WILLIAM D
5010	BUTTARO, LAURIE H
	GAUDETTE, LOUIS N
	MCGLONE, KAREN R
	SOTHERDEN, SCOTT A
5011	HAAHR, ROBERT G
5018	JACK N JILLS CONSIGNMENT SHOPPE
5030	ARAGONA, MICHAEL J
5035	CLARK, LLOYD
	MILLS, GRACE M
5041	BOHNE, MICHAEL A
5064	DELANO, KRISTA L
	GILLESPIE, TISHA
	RONEY, JUDY
5117	MONTALTO, VIC A
5170	HENRICH, THOMAS R
	MCVEY, JUSTIN C
5181	ALLEN, MALCOLM G
	ANELLI, ANDREW
5236	OCCUPANT UNKNOWN,
5252	ANIMAL KINGDOM
	CNY VETERINARY SERVICES AT ANIMAL KI
	DAVIS JOHN DVM
	LESCALLEETT SCOTT DVM
5267	HOUDE, WAYNE A
5284	WALDRON, ROBERT

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STATE ROUTE 31 2014 (Cont'd)

5300	GRACE EVANGELICAL COVENANT CHURCH
5332	CNY LANDSCAPES & GARDEN CENTER
5334	GARYS EQUIPMENT COMPANY INCORPORATED
5363	BAKER, BETTY G
	RICHER, PAUL E
5366	MCLOUGHLIN, SANDRA A
5376	BOISEY, BRAD M
5397	DIMENTO, LAWRENCE
5402	HANEY, JOHN W
5509	OCCUPANT UNKNOWN,
5511	FISCHER, JOHN C
5531	FRYE, JAMES

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STATE ROUTE 31 2010

481 TOYS R US
3949 WALMART
4035 EBELINGS PET CTR
4081 AIRWAVES WIRELESS INC
AT&T STORE
AVIS RENT A CAR
BATH & BODY WORKS
BRANCHS DRIVING SCHOOL INC
CARLTON CARDS
CHARLOTTE RUSSE
CHILDRENS PLACE
CHRISTOPHER & BANKS
CJ BANKS
COLLECTIBLES ON THE MALL
DAIRY QUEEN
DAKOTA WATCH CO
DEBS BEEPER WORLD
DEZINER ALTERNATIVE SUNG
DICKS SPORTING GOODS
DRESS BARN
DUNKIN DONUTS
FAMOUS WOK
FINISH LINE
FRIENDLYS ICE CREAM SHOP
FYE
GERTRUDE HAWK CANDY SHOP INC
GOOSE & GANDER
H&M
H&R BLOCK
HAIR CUTTERY
HALLMARK 110
HOLLISTER CO
IN TOUCH WIRELESS
INTOUCH WIRELESS
J B ROBINSON JEWELERS
JOURNEYS
JUSTICE JUST FOR GIRLS
K B TOYS INC
LITTMAN JEWELERS
MACYS
MATTHEWS HALLMARK
MIRACLEEAR
NAIL MASTER
NAIL SPA EXPERTS
NANCYS COFFEE CAFE
NEW YORK & CO
NORTHERN NEWS STAND
OLD NAVY
ORANGE JULIUS
ORIENTAL ASIA CITY

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STATE ROUTE 31 2010 (Cont'd)

4081	PIERCING PAGODA
	REGAL GREAT NORTHERN MALL 10
	REGIS SALONS
	RUBY TUESDAY
	SBARRO
	SEARS
	SEARS AUTO CTR
	SEBASTIANO HAIR STUDIO
	SPENCER GIFTS
	SSC SVC SOLUTIONS
	SUBWAY
	SUNGLASS HUT
	TACO BELL
	THINGS REMEMBERED
	TUXEDO JUNCTION
	UPSTATE PCS
	VERIZON WIRELESS
	W & C EATERY LLC
	WET SEAL
	WETZELS PRETZELS
	YANKEE CANDLE CO
	YOGEN FRUZ
	ZUMIEZ
4100	PIER 1 IMPORTS
4106	MARTIN CARPENTER REALTOR
	MUSIC & ARTS CTR
	REMAX REALTY PLUS
4112	FIRESTONE TIRE & SVC CTR
4118	CLARK FAIR LLC
	STAPLES
4124	AC MOORE
4125	OLIVE GARDEN ITALIAN RSTRNT
4130	LIEHS & STEIGERWALD
4136	TUESDAY MORNING
4145	BJS OPTICAL
	BJS WHOLESALE CLUB
	MONRO MUFFLER BRAKE & SVC
	VERIZON WIRELESS
4148	LENNONS JEWELERS
4155	BEAUTY PLUS SALON
	ERIN S WAY LLC
	FAMOUS FOOTWEAR
4160	ARTISTIC FRAMING
	GINO & JOES PIZZA
	MICROGAME VIDEO GAME
	MONDO OPTICAL
	ORECK CLEAN HOME CTR
	VIP NAILS
4170	METROPOLITAN WATER BOARD
4182	LAZBOY FURNITURE GALLERIES

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STATE ROUTE 31 2010 (Cont'd)

4206	SUBWAY
	SYRACUSE FOOD SVC GROUP
4251	ARNOLD, ANTHONY A
4255	BIXBY, JOHN F
4261	FIORITO, FRANCIS M
4269	WOODS, SIRENA L
4273	POWERS, MARIGRACE
4277	GREER, BRENDA L
4285	EUCLID RESTAURANT
4291	CONTEMPO HAIR DESIGN
4297	RITCHIE, DANIELLE
4303	SPEARANCE, BELLE
4307	SARVEY, WILLIAM H
4315	GAYLORD, VALERIE J
4323	GAYLORD, FREDERICK V
4374	IMBESI, ROSETTA
4383	CLAY FIRE DEPT
4398	TRINITY ASSEMBLY OF GOD
4401	CLAY TOWN CLERK
	CLAY TOWN JUSTICES
	CLAY WATER DEPT
	GAISER CHRISTOPHER
4470	DERYCKE, HAROLD P
4483	ANIMAL CONTROL
	CLAY HIGHWAY DEPT
	CLAY SHERIFF DEPT
4523	PALMER, JEAN
4531	ANTHONY FALSO AGENCY INC
	CNY GARAGE DOOR
	EXPECTATIONS
4553	OCCUPANT UNKNOWN,
4612	TISCHENKO, NICHOLAS W
4618	SCHULZE, KURT S
4642	OCCUPANT UNKNOWN,
4648	GOIKE, WILLIAM M
4650	GOIKE, WILLIAM M
	WILLIAM GOIKE GREENHOUSES
4664	FIFIELD, PHILLIP C
4668	LOVENBERG, GARY
4724	ANGER, AKE
4732	PUCHYR, JOYCE P
4793	GILLESPIE, FRANK A
	SPICE RACK INC
4800	BEACON BAPTIST CHURCH
4801	ORTIZ, JESUS R
4913	LANS FLOWER FARM
	M V WEISS & ASSOC
	WEISS, MARK J
4924	ARNDT, GREGORY W
4933	BULLARD, CHARLES S

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STATE ROUTE 31 2010 (Cont'd)

4945	DODGE, SUSAN M
4947	IMMANUEL LUTHERAN CHURCH
4948	TOWN OF CLAY SENIOR CTR
4966	ANTONINO, MATT
4972	DICKSON, RICHARD J
4975	COIR, ADELE
	FRAWLEY, MICHAEL J
4976	OCCUPANT UNKNOWN,
4985	STEPANEK, FRANK N
4987	DARIN, JOSHUA
	GROSSO, A
	HOLBROOK, RONALD F
	LAYOU, NICHOLAS
	TAYLOR, ELLEN M
	WILLIAMS, LINDA M
4993	FULTZ, JANE
	MICHAELS, DAVID P
	SHERLOCK, DANIELLE
	SOKERNYK, DEBORAH A
4994	WILCOX, TOM
5000	FRASCATORE, JAMES A
	JAF HOME INSPECTION SVC
5001	BARCELOS, MIRIAM
	ROZZANO, SAM D
5009	LEAF, DAVID
5010	BUTTARO, LAURIE H
5011	HAAHR, ROBERT G
5012	KOCHER, GERALD
5018	JACK & JILLS CONSIGNMENT SHOP
5030	ARAGONA, MICHAEL J
5035	BARTORILLO, SALVATORE A
	MILLS, GRACE M
5041	BOHNE, MICHAEL A
5055	OCCUPANT UNKNOWN,
5064	HARVARD, JACQUELINE
	RONEY, JUDY
5154	OCCUPANT UNKNOWN,
5170	LINCOLN, HOWARD
	MOORE, ALBERTA L
5181	BREEN, ISABELLE S
	CAMPBELL, WILLIAM
	CORCORAN, CASEY
	OCCUPANT UNKNOWN,
5236	ALT, MARILYN A
5252	ANIMAL KINGDOM VETERINARY HOSP
5267	HOUDE, TAMMY L
5284	BROWN, ALICE M
5300	GRACE EVANGELICAL COVENANT CHR
5332	CNY LANDSCAPES & GARDEN CTR
5334	GARYS EQUIPMENT CO INC

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STATE ROUTE 31 2010 (Cont'd)

5363	RICHER, PAUL E
5366	MCLOUGHLIN, SANDRA A
5376	DERYCKE, SARA B
5380	ALBERTSON, WILLIAM J
5397	DIMENTO, GIOVANNI
5402	HANEY, JOHN W
5432	DESANTIS, ANTHONY
5509	TUTTLE, JOSEPH R
5511	FISCHER, JOHN C
5531	FRYE, JAMES
5533	OCCUPANT UNKNOWN,
5601	US POST OFFICE

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STATE ROUTE 31 2005

4035	EBELINGS PET CENTERS
4081	AEROPOSTALE
	AIRWAVES WIRELESS INC
	AZZOTO DR CARL
	BON TON DEPARTMENT STORES INC
	CHINESE GOURMET EXPRESS
	CLAIRES STORES INC
	COLE VISION
	COLES FREIGHTLINES INC
	COLLECTIBLES ON THE MALL
	DICKS CLOTHING & SPORTING
	ELECTRONICS BOUTIQUE AMERICA
	EVERLASTING GIFTS
	FAMOUS FOOTWEAR
	FASHION BUG
	FINLAY FINE JEWELRY CORP
	FOOT LOCKER RETAIL INC
	HALLMARK SPECIALTY RET GROP
	KAUFMANNS
	KAUFMANNS DEPARTMENT STORES
	LENSCRAFTERS
	LIBERTY TRAVEL
	MARION SIMON RESEARCH SERVICE
	MIRACLE EAR HEARING AD CENTER
	NAIL MASTER
	NATURALIZER SHOES
	PACIFIC SUNWEAR OF CALIFORNIA INC
	PIERCING PAGODA
	PLAINVILLE FARMS
	PREMIER SALONS INTERNATIONAL
	RECORD TOWN INC
	REEDS JEWELERS OF NIAGARA FLS
	RT NEW YORK FRANCHISE LLC
	RUBY TUESDAY RESTAURANTS
	S & K FAMOUS BRAND MENSWEAR
	SBARROS
	SEARS
	SEARS ROEBUCK AND CO INC
	SEBASTIANO HAIR STUDIO
	SPENCER GIFTS
	ST JOSEPHS HOSPITAL HEALTH CENTER
	STERLING OPTICAL
	TACO BELL
	THINGS REMEMBERED INC
	TUXEDO JUNCTION INC
	WALDENBOOKS
	WILSON S SUEDE & LEATHER
	ZALE DELAWARE INC
4100	PIER 1 IMPORTS
4112	FIRESTONE

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STATE ROUTE 31 2005 (Cont'd)

4125	OLIVE GARDEN
4130	EBELINGS PET CENTERS
	HOUSEHOLD FINANCE CORP
4136	TUESDAY MORNING
4138	EBELINGS PET CENTER
4145	BJS WHOLESALE CLUB
	MONRO MUFFLER / BRAKE & SERVICE
4148	LENNONS JWELERS F GRT NTHRN
	LENNONS W B WILCOX CO JEWELERS
4154	MARSHALLS
4155	ADVANCED WIRELESS SOLUTIONS
	AGOS LLC
	BATH & BODY WORKS
	CAJUN CAFE
	CARLTON CARDS RETAIL INC
	CHILDRENS PLACE
	CHRISTOPHER & BANKS
	CJ BANKS
	CLAIRES BOUTIQUES INC
	DEBS BEEPER WORLD
	DEZINER ALTERNATIVE SUNGLASSES
	DRESS BARN INC
	GADZOOKS
	GENERAL NUTRITION CENTER
	GERTRUDE HAWK CANDY SHOP INC
	GREAT NORTHERN MALL
	H & M HENNES & MAURITZ INC
	HAIR CUTTERY
	HOT TOPIC
	JOURNEYS
	KAY JEWELERS
	LA VALLE ELISE
	LAVALLE RESEARCH
	LIGHTHOUSE DESIGNER POPCORN
	LITTMAN JEWELERS CORP
	MARJEN SUNGLASSES
	MATTHEWS HALLMARK
	MOUNTAIN MAN & THE LITTLE GUY
	MR SMOOTHIE
	NAIL EXPERTS
	OLD NAVY
	ORIENTAL ASIA CITY
	ORIENTAL CITY 1
	PACIFIC SUNWEAR CALIFRN INC
	PERFUME PALACE LLC
	PICTURE PERFECT
	PONDSIDE PROMOTIONS
	PRINTS PLUS
	REGAL CINEMAS
	REGIS

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STATE ROUTE 31 2005 (Cont'd)

4155	RUE 21
	SAN FRANCISCO MUSIC BOX
	SEARS
	SEARS AUTO & TIRE CENTER
	SIMPLY CELLULAR SVCES INC
	TIMELESS MEMORIES
	TZ ARTS INC
	UNIVERSITY SPORT SHOP
	WILMORITE INC
	ZUMIEZ
4160	ANTHONY MONDO
	JEAN, SEASE
	MONDO, ANTHONY
	ORECK HOME CARE CENTER
	ORECK VACUUMS
	ORECK, VACUUMS
4180	GOOSE & GANDER
4251	LIN, MING G
4255	MCALLISTER, MICHAEL
4261	FIORITO, FRANCIS
4269	NICHOLS, THOMAS J
4273	DAVENPORT, C
4277	FIORITO, FRANCIS M
4291	CONTEMPO HAIR DESIGN
4297	DODHS, MICHAEL
4307	SARVEY, WILLIAM H
4315	OCCUPANT UNKNOWN,
4316	OCCUPANT UNKNOWN,
4320	OCCUPANT UNKNOWN,
4323	GAYLORD, FREDERICK V
4374	IMBESI, ROSETTA
4376	PATCHETT, ALEX
4398	HERTWECK THOMAS J REV
	TRINITY ASSEMBLY OF GOD
4444	DERYCKE, CHARLES E
4470	OCCUPANT UNKNOWN,
4483	TOWN OF CLAY
4523	CHAPMAN, MARLA
4531	ALLSTATE
	BETTYS HOUSE OF TREASURES & MORE
	EXPECTATIONS NORTH
	GRAPHIC EFFECTZ
	OCCUPANT UNKNOWN,
4541	LUNKENHEIMER AUTO SALES INC
4553	OCCUPANT UNKNOWN,
4612	TISCHENKO, NICHOLAS W
4618	KRAMER, VICKI L
4642	BRYON D DELONG
	OCCUPANT UNKNOWN,
4648	WILLIAM GOIKE GREENHOUSES

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STATE ROUTE 31 2005 (Cont'd)

4650 GOIKE, WILLIAM
4664 FIFIELD, PHILLIP C
4668 TEATER, CLARK D
4724 OCCUPANT UNKNOWN,
4732 PUCHYR, JOYCE M
4793 OCCUPANT UNKNOWN,
4801 ORTIZ, JESUS R
4913 WEISS AND ASSOCIATES
WEISS, MARK J
4933 BULLARD, CHARLES S
4945 NATALE, NANCY A
4947 IMMANUEL LUTHERAN CHURCH
4966 PROCOPIO, MICHAEL F
4972 DICKSON, RICHARD J
4975 GREENE, E
4976 OCCUPANT UNKNOWN,
4985 CLAY HOTEL
STEPANEK, FRANK N
4987 GODKIN, DIANNA E
PEETS, J
WILLIAMS, LINDA M
4993 JONES, CORRINA
LOCASTRO, NICOLE
WILLIAMS, C
4994 GRAHAM, MICHAEL D
5000 FRASCATORE, JAMES A
JAF HOME INSPECTION SERVICE
5001 LECLAIR, KRISTIN C
REYNOLDS, KATHLEEN
SHERLOCK, CHRISTINE
SULLIVAN, D R
5009 SEDNER, KATHLEEN
5010 BUTTARO, LAURIE H
HAMLIN, MITCHELL S
5011 HAAHR, ROBERT G
5012 KOCHER, DOUGLAS D
5030 ARAGONA, JOHN J
5035 WOOLLIS, MICHAEL
5041 BOHNE, MICHAEL A
5055 OCCUPANT UNKNOWN,
5064 FRICK, JACKIE
GILLESPIE, FRANK A
5117 MONTALTO, VIC A
5154 OCCUPANT UNKNOWN,
5170 FISCHER, A
LINCOLN, HOWARD
LISI, FRANK P
MOORE, ALBERTA L
5181 KNICKERBOCKER, DALE
LIBERATORE, JOSEPH

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STATE ROUTE 31 2005 (Cont'd)

5181	NASH, CHRISTINE M
	OCCUPANT UNKNOWN,
	WILLIAMS, DAWN L
5236	ALT, DONALD W
5252	ANIMAL KINGDOM VETERINARY HOSPITAL T
5267	HOUDE, ERICK M
5284	BROWN, ROBERT L
5300	GRACE EVANGELICAL COVENANT CHURCH
5363	RICHER, PAUL E
5366	MCLAUGHLIN, GEORGE A
5376	OCCUPANT UNKNOWN,
5380	OCCUPANT UNKNOWN,
5397	DIMENTO, GIOVANNI
5402	HANEY, JOHN W
5432	DESANTIS, ANTHONY
5509	TUTTLE, JOSEPH R
5511	FISCHER, JOHN C
5531	FRYE, JAMES
5533	STANTON, KAREN A

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STATE ROUTE 31 2000

4081	AEROPOSTALE
	CVS
	DICKS SPORTING GOODS
	FASHION BUG OF GREAT NORTHERN
	KAUFMANNS DEPARTMENT STORES
	LADY FOOTLOCKER DISTRICT OFFICE
	LENSCRAFTERS
	RUBY TUESDAY RESTAURANTS
	S & K MENSWEAR
	TUTOR TIME
	WELLNESS PLACE GREAT NORTHERN MALL
	WILSONS SUEDE & LEATHER
	ZALES JEWELARS
4100	PIER 1 IMPORTS
4112	FIRESTONE TIRE & SERVICE CE
	HOOSE, GEORGE
4130	CARVEL
4145	B JS CELLULAR CENTER
	BJS OPTICAL
4251	COTTRELL, MINDY
4255	DUDLEY, LEWIS
4261	FIORITO, FRANCIS
4269	CLOBRIDGE, TERESA
4273	BENJAMIN, J
4277	FIORITO, FRANCIS
	RIGDON, E
4297	HIGGINS, R
4316	BENNETT, ROBERT
4320	HARBER, WAYNE
4323	GAYLORD, EDITH S
4374	IMBESI, NATALE
4376	SPEARS, BILL
4523	HOGAN, MELISSA M
4553	COOPER, D
4612	TISCHENKO, C D
4618	DELLAVELLA, DON
4642	LARUSSO, LOUIS
4664	FIFIELD, PHILLIP C
4724	COLWELL, J
4793	GILLESPIE, FRANK A
4801	MELFI, D
4913	CARR, D
4924	BREMAN, RONALD C
4933	BULLARD, CHARLES S
4945	WHALEN, DARYL
4975	ANIMAL KINGDOM VETERINARY HOSPITAL THE
4976	DICKSON, RICHARD J
4985	STEPANEK, FRANK N
4987	BOURLIER, H
	HOOK, RYAN N

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STATE ROUTE 31 2000 (Cont'd)

4993	GREENE, ROBERT
	MARTIN, DEBERA
	TUTTLE, C A
4994	GRAHAM, MICHAEL
5000	FRASCATORE, J
	JAF HOME INSPECTION SERVICE
5001	SULLIVAN, ROBERT
5009	BROWN, J
	KIDD, LEE
5010	BUTTARO, LAURIE
	PETRIW, STEPHEN
	SACCONE, TONYA
5011	HAAHR, ROBERT
5012	KOCHER, DOUGLAS
5018	JACK N JILLS CONSIGNMENT SHOPPE
5041	BOHNE, MICHAEL A
5055	CHRISLER, ROBERT
5064	GILLESPIE, ROBERT E
	PENDELL, S A
	WELCH, ERIN M
5117	MONTALTO, VIC
5181	HOKANSON, KIRK
5267	BRADISH, KAREN
5332	JANOWSKI, FRED
5366	MCLOUGHLIN, GEORGE A
5376	KELEHER, DANIEL
5380	KELLEY, WELDON
5432	DESANTIS, ANTHONY
5511	FISCHER, JOHN C
5531	BALCOM, E
5533	STANTON, KAREN A

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STATE ROUTE 31 1995

4031	MOBIL OIL
4081	BON-TON DEPARTMENT STORES INC
	COLLECTIBLES ON THE MALL
	COUNTRY BOUTIQUE
	CVS
	DOCTOR OF OPTOMETRY
	FASHION BUG OF GREAT NORTHERN
	GREAT NORTHERN MALL-MAINTENANCE OFC
	GREAT NORTHERN MALL-PROMOTION OFC
	GREAT NORTHERN MALL-SECURITY OFC
	KAUFMANN'S DEPARTMENT STORES, GREAT NORTHERN MALL
	LADY FOOTLOCKER DISTRICT OFFICE
	LENSCRAFTERS
	NAIL STUDIO
	NATURE FOOD CENTRES
	RAVE
	RUBY TUESDAY RESTAURANTS
	SCHWARTZ, PAUL T, OD
	SHEEPSKIN & LEATHER
	SOUTHARD W J MATTRESS INC
	TACO BELL
	TUTOR TIME
	WILSON'S SUEDE & LEATHER
4100	PIER 1 IMPORTS
4112	FIRESTONE TIRE & SERVICE CENTERS
4118	THE RX PLACE
4124	ONLY ONE
4125	OLIVE GARDEN ITALIAN RESTAURANT #1479
4130	CARVEL
	HOUSEHOLD FINANCE CORPORATION
	HOUSEHOLD FINANCE REALTY CORPORATION OF NEW YORK
4145	B J'S CELLULAR EXPRESS
	B J'S OPTICAL SHOP
	BJ'S WHOLESALE CLUB
4148	ROCHESTER SHOE STORE INC
4154	MARSHALLS
4160	ARTISTIC FRAMING
	CATHERINE'S
	FASHION CLEANERS
	LISA & CO SALON
	ULTIMATE SALONS SERVICES
4170	METROPOLITAN WATER BOARD
	MWB
	TONY'S STARLITE PIZZA & FAMILY RESTRNT INC
4180	INNOVATIONS SALON
4182	LA-Z-BOY FURNITURE GALLERIES
	LAZY BOY FURNITURE GALLERIES
4251	PHILLIPS, KIRK
4255	BATEMAN, ROBERT
	KAMAL, A

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STATE ROUTE 31 1995 (Cont'd)

4255	KNAPP, J
	LEFLER, J
	RIGGIANO, A
	RUGGIANO, N
4273	WHITMORE, J
4277	BOUCHARD, M
4291	CONTEMPO HAIR DESIGN
4297	HIGGINS, ROSEMARIE
4315	FARRAR, MICHAEL & LEEANN
4316	BENNETT, ROBERT
4320	HARBER, WAYNE
4323	GAYLORD, EDITH S
4374	IMBESI, NATALE
4376	KING, N
4523	DIMON, POLLY A
4531	A-1 RESUME SERVICE
	LADY JANE'S BEAUTY PRODUCTS INC
	TEDDY BEAR HOT DOGS & MORE
4553	COOPER, CHARLES
4612	JOHNSON, JOS H
4642	DONVITO, NICHOLAS
4664	FIFIELD, PHILLIP C
4793	GILLESPIE, FRANK A
4801	RETCHLESS, E
4913	BRUCKERT, ROLF E
4924	BREMAN, RONALD C
4933	BOYD, P
4945	LANGDON, BRIAN & ROXINE
4966	PROCOPIO, MICHAEL F
4972	DICKSON, RICHARD J
4975	ANIMAL KINGDOM VETERINARY HOSPITAL THE
	DAVIS, JOHN E, VETERINARIAN
	MUSE, C
	WALTERS DANIEL J SALES
4976	DICKSON, RICHARD J, JR
4985	CUSTOM CARPET CLEANING & PAINTING SVCES
4987	THOMPSON, KEELAH
4993	GREENE, ROBERT
	REID, C & M
	TUTTLE, C A
4994	GRAHAM, MICHAEL
5010	BUTTARO, LAURIE
	CHIMBER, HOLLY
	KNITTEL, JOSEPH
5011	MARTIN, JOHN F
5012	KOCHER, DOUGLAS
5018	CHAMBERLAIN RENTAL
5035	DENCE, CHARLES W
5041	BOHNE, MICHAEL A
5055	CHRISLER, ROBERT

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STATE ROUTE 31 1995 (Cont'd)

5064	HORTON, JIM
	LE CLAIR, TRACY & PAUL
	PARRISH, MARK
5117	CORNAIRE, M E
5170	FRENCH, ROBERT H
	MAIDENS, JEROME
5181	JONES, SEAN
5300	GRACE EVANGELICAL COVENANT CHURCH
5332	JANOWSKI, FRED & E R
5334	GARY'S SMALL ENGINE INC
5366	MCLOUGHLIN, GEORGE A
5376	BURDO, SCOTT M
5380	KELLEY, WELDON
5432	DE SANTIS, ANTHONY
5511	FISCHER, JOHN C
5533	HAMLIN, KEN
5601	US GOVT POSTAL SERVICE CICERO-CLAYY

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ROUTE 31 1992

3578 RICKER, ROBERT
3627 PATULSKI, RONALD
3775 KEY BANK OF CENTRAL NEW YORK NA, CLAY OFC
3877 BETELAK, D
3925 VALVOLINE INSTANT OIL CHANGE
3945 ONBANK-GREAT NORTHERN OFC
3955 MY SEDIMENTS EXACTLY
PAMPERED PETS
3959 PAK MAIL
4031 MOBIL OIL
4035 BURGER KING RESTAURANTS
4081 CVS
DESIGNS
GREAT NORTHERN MALL-MAINTENANCE OFC
GREAT NORTHERN MALL-PROMOTION OFC
GREAT NORTHERN MALL-SECURITY OFC
GREEN HOME FLORAL EXPRESS
KAUFMANN'S DEPARTMENT STORES, GREAT NORTHERN MALL
KAY JEWELERS
UPS AND DOWNS
WILSON'S SUEDE & LEATHER
4100 PIER 1 IMPORTS
4112 FIRESTONE TIRE & SERVICE CENTERS-CLAY
4118 THE RX PLACE
4130 CARVEL
IANNUZZO'S SPORT KARATE
KATO'S TOTAL BODY FITNESS
4136 RECORD THEATRE AUDIOS & VIDEO
4148 DRESS BARN
4154 MARSHALLS
4160 ART EXPRESSIONS
BABY'S BEDROOM
FASHION CLEANERS
LISA & CO SALON
TRAVEL AGENTS INTERNATIONAL
4170 METROPOLITAN WATER BOARD
TONY'S STARLITE PIZZA & FAMILY RESTRNT INC
4255 KRELL, STEPHEN
4269 HILDRETH, PHILLIP
4273 CASTLE, KENNETH D
KAZEL, ALISA
4277 BOUCHARD, M
GUDGEON, L & P
4286 MOBILE OIL CORP
4291 CONTEMPO HAIR DESIGN
4303 WOOD, JOHN W
4315 PORTER, KENNETH C
4316 BENNETT, ROBERT
4320 HARBER, WAYNE
4323 GAYLORD, EDITH S

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ROUTE 31 1992 (Cont'd)

4374	IMBESI, NATALE
4376	KING, N
4523	DIMON, POLLY A
4531	FAMILY DSTRBTNG INC
4553	COOPER, CHARLES
4612	JOHNSON, JOS H
4642	SCHMIDTMANN, TERRY
4664	WATKINS, VICTOR A
4724	MILLER, MEL
4732	PUCHYR, J
4801	KING, TERRY & BETH
4913	BRUCKERT, ROLF E
4924	BREMAN, RONALD C
4936	VAIL, JAMES M
4976	DICKSON, RICHARD J, JR
4985	SUTTON, JOHN M
	SUTTON, JOSEPH
4987	KNOLAN, RICHARD, JR
4993	BARKLEY, C
4994	GRAHAM, MICHAEL
5000	DUNSMORE, CRYSTAL
5009	CRYSLER, RICHARD
5012	KOCHER, DOUGLAS
5055	MACKEY, C P
5064	LE CLAIR, TRACY & PAUL
	PARRISH, MARK
5117	A B C TREE SVCE
	CORNAIRE, M E
5170	FRENCH, ROBERT H
5332	JANOWSKI, FRED & E R
5334	GARY'S SMALL ENGINE REPR
5397	DI MENTO, GIOVANNI
5402	CHENAULT, WM & HELEN
5432	DE SANTIS, ANTHONY
5601	US GOVT POSTAL SERVICE CICERO-CLAY
5668	HARVEY, JO-ANN
5953	RICHARDSON, MARK L
6026	MOWERS, CARL & GAIL
6030	BECKER, DONALD
6061	TRUAX, ROBT F
6068	ARMSTRONG, GEORGE A
6288	CIZENSKI, EDMUND G
6315	WHELAN, JOS M
6338	PETRIVELLI, DAVID
6344	WARNER, CHARLES A
6350	WARNER, NATHAN R
6358	WAFER, E
6449	PHELPS, ANN & MISTY
	RABOY, DAVID
6470	FOWLER, JOHN R

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ROUTE 31 1992 (Cont'd)

6568	STOLAR, FRANK P
6570	MAUTZ, GERALD W
6587	LA ROCHELLE, JAMES R
6638	RUSSELL, WILLIAM G
6679	CONGDEN, DANIEL
6731	SIKORA, JAMES
6828	WALKER, MICHAEL R
6973	LOCHNER, WILLIAM
6996	MILLBYER, TERRANCE E
7034	HARKNESS, TIMOTHY
7125	RHOADES, FREDERICK
7174	BRENNAN, GARY
7226	BUSH, RICHARD C, JR
7303	BARTORILLO, SAMUEL A
7315	BARTORILLO, SAMUEL, II
7441	TWEEDIE, WILLIAM C

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APPENDIX D
REGULATORY RECORDS REVIEW

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Rail Spur Addition
Weller Canning Street
Clay, NY 13041

Inquiry Number: 7545784.2s
January 19, 2024

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 (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

WELLER CANNING STREET
CLAY, NY 13041

COORDINATES

Latitude (North):	43.1882830 - 43° 11' 17.81''
Longitude (West):	76.1713200 - 76° 10' 16.75''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	404816.5
UTM Y (Meters):	4782174.5
Elevation:	394 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	14115602 BREWERTON, NY
Version Date:	2019

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20190802
Source:	USDA

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MAPPED SITES SUMMARY

Target Property Address:
WELLER CANNING STREET
CLAY, NY 13041

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	D.V. SOTHERDEN	D.V. SOTHERDEN	NY Spills	Higher	587, 0.111, SSW
A2	D.V. SOTHERDEN INC.	4975 ROUTE 31	UST FINDER	Higher	609, 0.115, South
A3	BUCKEYE PIPELINE	4975 ROUTE 31	AST, NY Spills	Higher	609, 0.115, South
A4	D.V. SOTHERDEN INC.	4975 ROUTE 31	UST	Higher	609, 0.115, South
B5	CLAY VOLUNTEER FIRE	4948 RTE 31	RCRA NonGen / NLR, FINDS, ECHO, MANIFEST	Higher	809, 0.153, SW
B6	CLAY FIRE STATION #1	4948 RT. 31	UST	Higher	809, 0.153, SW
B7	CLAY FIRE STATION #1	4948 RT. 31	UST FINDER	Higher	809, 0.153, SW
8	FRANSCOTTI PROP	5001 RT 31	LTANKS	Higher	1077, 0.204, SE
9	NORTH TOWN SPS	COUAHDENOY RD	LTANKS	Higher	1303, 0.247, ESE

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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
NPL LIENS ---- Federal Superfund Liens

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 CERCLA sites with NFRAP

SEMS-ARCHIVE ---- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ---- RCRA - Large Quantity 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

LUCIS ---- Land Use Control Information System

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EXECUTIVE SUMMARY

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..... Inactive Hazardous Waste Disposal Sites in New York State

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Facility Register

Lists of state and tribal leaking storage tanks

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
HIST LTANKS..... Listing of Leaking Storage Tanks

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
CBS UST..... Chemical Bulk Storage Database
MOSF UST..... Major Oil Storage Facilities Database
MOSF..... Major Oil Storage Facility Site Listing
CBS..... Chemical Bulk Storage Site Listing
CBS AST..... Chemical Bulk Storage Database
MOSF AST..... Major Oil Storage Facilities Database
INDIAN UST..... Underground Storage Tanks on Indian Land
TANKS..... Storage Tank Faciliy Listing

State and tribal institutional control / engineering control registries

RES DECL..... Restrictive Declarations Listing
ENG CONTROLS..... Registry of Engineering Controls
INST CONTROL..... Registry of Institutional Controls

Lists of state and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Agreements

Lists of state and tribal brownfield sites

BROWNFIELDS..... Brownfields Site List
ERP..... Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Registered Recycling Facility List

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EXECUTIVE SUMMARY

SWTIRE ---- Registered Waste Tire Storage & Facility List
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---- Open Dump Inventory
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
DEL SHWS ---- Delisted Registry Sites
US CDL ---- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST UST ---- Historical Petroleum Bulk Storage Database
HIST AST ---- Historical Petroleum Bulk Storage Database

Local Land Records

LIENS ---- Spill Liens Information
LIENS 2 ---- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
NY Hist Spills ---- SPILLS Database
SPILLS 90 ---- SPILLS 90 data from FirstSearch
SPILLS 80 ---- SPILLS 80 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data

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EXECUTIVE SUMMARY

CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
MINES MRDS	Mineral Resources Data System
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS TRIS	List of PFAS Added to the TRI
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
BIOSOLIDS	ICIS-NPDES Biosolids Facility Data
PFAS	PFAS Contamination Site Location Listing
AIRS	Air Emissions Data
COAL ASH	Coal Ash Disposal Site Listing
DRYCLEANERS	Registered Drycleaners
E DESIGNATION	E DESIGNATION SITE LISTING
Financial Assurance	Financial Assurance Information Listing
HSWDS	Hazardous Substance Waste Disposal Site Inventory
LEAD	Lead-based Paint Testing Results
SPDES	State Pollutant Discharge Elimination System
VAPOR REOPENED	Vapor Intrusion Legacy Site List
UIC	Underground Injection Control Wells
COOLING TOWERS	Registered Cooling Towers
UST FINDER RELEASE	UST Finder Releases Database
NYC OER	OER Cleanup Sites Listing
NYC LAND USE	New York City Land Use Information
ILI	New York State Inactive Landfill Initiative
MGP	Manufactured Gas Plants Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List

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EXECUTIVE SUMMARY

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 state and tribal leaking storage tanks

LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the LTANKS list, as provided by EDR, and dated 08/07/2023 has revealed that there are 2 LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FRANSCOTTI PROP Site ID: 244956 Spill Number/Closed Date: 9311741 / 1995-02-09 Spill Date: 1994-01-03	5001 RT 31	SE 1/8 - 1/4 (0.204 mi.)	8	28
NORTH TOWN SPS Site ID: 147757 Spill Number/Closed Date: 9011508 / 1991-02-15 Spill Date: 1991-01-22	COUAHDENOY RD	ESE 1/8 - 1/4 (0.247 mi.)	9	29

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
D.V. SOTHERDEN INC. Database: UST, Date of Government Version: 09/06/2023	4975 ROUTE 31	S 0 - 1/8 (0.115 mi.)	A4	15
CLAY FIRE STATION #1 Database: UST, Date of Government Version: 09/06/2023	4948 RT. 31	SW 1/8 - 1/4 (0.153 mi.)	B6	24

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EXECUTIVE SUMMARY

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the AST list, as provided by EDR, has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BUCKEYE PIPELINE	***4975 ROUTE 31***	***S 0 - 1/8 (0.115 mi.)***	***A3***	***11***
Database: AST, Date of Government Version: 09/06/2023				
Facility Id: 7-161942				

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 08/07/2023 has revealed that there are 2 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
D.V. SOTHERDEN	D.V. SOTHERDEN	SSW 0 - 1/8 (0.111 mi.)	A1	9
Spill Number/Closed Date: 8607108 / 1987-08-11				
Site ID: 220102				
Spill Date: 1987-02-20				
BUCKEYE PIPELINE	***4975 ROUTE 31***	***S 0 - 1/8 (0.115 mi.)***	***A3***	***11***
Spill Number/Closed Date: 0403307 / 2005-10-19				
Site ID: 263498				
Spill Date: 2004-06-26				

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 12/04/2023 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CLAY VOLUNTEER FIRE	***4948 RTE 31***	***SW 1/8 - 1/4 (0.153 mi.)***	***B5***	***19***
EPA ID:: NYR000014027				

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EXECUTIVE SUMMARY

MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the MANIFEST list, as provided by EDR, and dated 12/31/2019 has revealed that there is 1 MANIFEST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CLAY VOLUNTEER FIRE EPA ID: NYR000014027	***4948 RTE 31***	***SW 1/8 - 1/4 (0.153 mi.)***	***B5***	***19***

UST FINDER: EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

A review of the UST FINDER list, as provided by EDR, and dated 06/08/2023 has revealed that there are 2 UST FINDER sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
D.V. SOTHERDEN INC.	4975 ROUTE 31	S 0 - 1/8 (0.115 mi.)	A2	10
CLAY FIRE STATION #1	4948 RT. 31	SW 1/8 - 1/4 (0.153 mi.)	B7	27

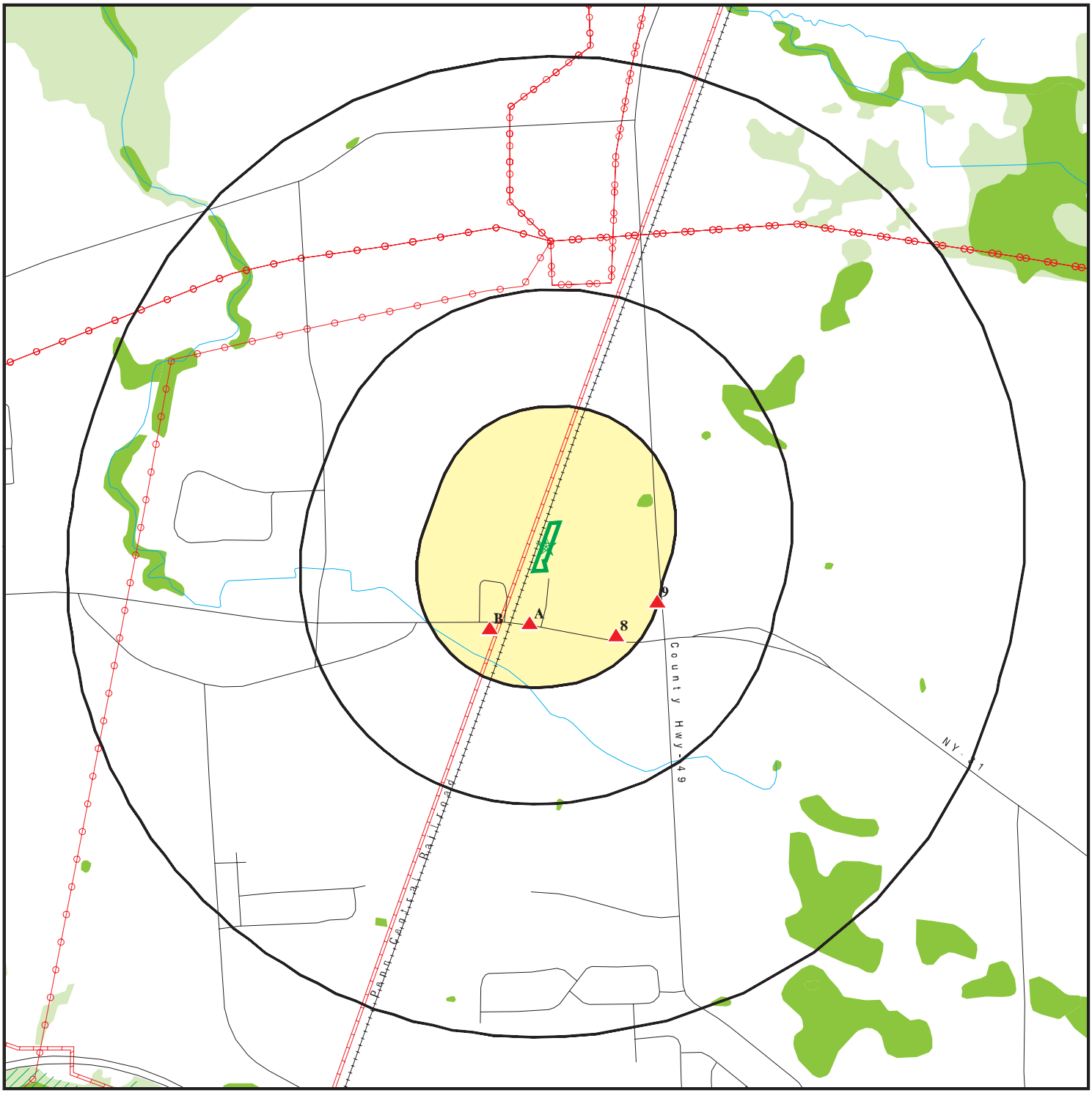
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EXECUTIVE SUMMARY

There were no unmapped sites in this report.

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OVERVIEW MAP - 7545784.2S



0 1/4 1/2 1 Miles

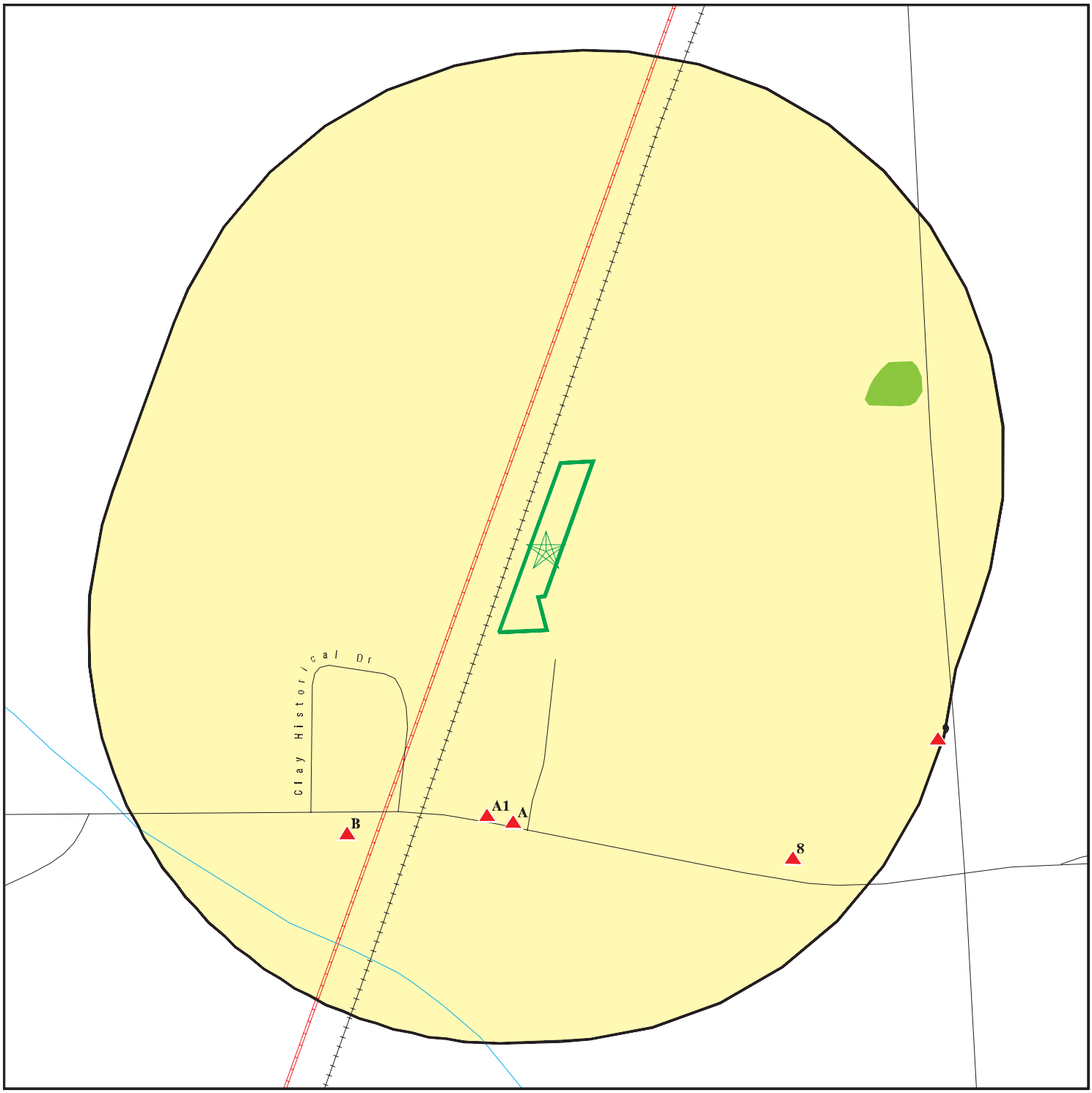
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard 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: Rail Spur Addition	CLIENT: AKRF, Inc.
ADDRESS: Weller Canning Street Clay NY 13041	CONTACT: Bryan Zieroff
LAT/LONG: 43.188283 / 76.17132	INQUIRY #: 7545784.2s DATE: January 19, 2024 4:53 pm

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DETAIL MAP - 7545784.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Pipelines
- 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: Rail Spur Addition	CLIENT: AKRF, Inc.
ADDRESS: Weller Canning Street Clay NY 13041	CONTACT: Bryan Zieroff
LAT/LONG: 43.188283 / 76.17132	INQUIRY #: 7545784.2s DATE: January 19, 2024 4:54 pm

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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								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
INDIAN LUST	0.500		0	0	0	NR	NR	0

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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
LTANKS	0.500		0	2	0	NR	NR	2
HIST LTANKS	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	1	NR	NR	NR	2
CBS UST	0.250		0	0	NR	NR	NR	0
MOSF UST	0.500		0	0	0	NR	NR	0
MOSF	0.500		0	0	0	NR	NR	0
CBS	0.250		0	0	NR	NR	NR	0
AST	0.250		1	0	NR	NR	NR	1
CBS AST	0.250		0	0	NR	NR	NR	0
MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
TANKS	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
RES DECL	0.125		0	NR	NR	NR	NR	0
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ERP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
HIST UST	0.250		0	0	NR	NR	NR	0

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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
HIST AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		2	NR	NR	NR	NR	2
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
SPILLS 90	0.125		0	NR	NR	NR	NR	0
SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
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		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
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
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0

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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
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AIRS	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
E DESIGNATION	0.125		0	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HSWDS	0.500		0	0	0	NR	NR	0
LEAD	TP		NR	NR	NR	NR	NR	0
MANIFEST	0.250		0	1	NR	NR	NR	1
SPDES	TP		NR	NR	NR	NR	NR	0
VAPOR REOPENED	0.500		0	0	0	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
COOLING TOWERS	TP		NR	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
NYC OER	1.000		0	0	0	0	NR	0
NYC LAND USE	TP		NR	NR	NR	NR	NR	0
ILI	0.500		0	0	0	NR	NR	0
MGP	1.000		0	0	0	0	NR	0
UST FINDER	0.250		1	1	NR	NR	NR	2
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
- Totals --		0	5	6	0	0	0	11

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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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

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MAP FINDINGS

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
A1	**D.V. SOTHERDEN**	**NY Spills**	**S102165679**
SSW	**D.V. SOTHERDEN**		**N/A**
< 1/8	**CLAY, NY**		
0.111 mi.			
587 ft.	**Site 1 of 4 in cluster A**		

Relative: **Higher**

Actual: **394 ft.**

SPILLS:

Name:	D.V. SOTHERDEN
Address:	D.V. SOTHERDEN
City,State,Zip:	CLAY, NY
Spill Number/Closed Date:	8607108 / 1987-08-11
Facility ID:	8607108
Facility Type:	ER
DER Facility ID:	182052
Site ID:	220102
DEC Region:	7
Spill Cause:	Housekeeping
Spill Class:	Not reported
SWIS:	3424
Spill Date:	1987-02-20
Investigator:	UNASSIGNED
Referred To:	Not reported
Reported to Dept:	1987-02-20
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	1987-08-11
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	Not reported
Spill Record Last Update:	2003-12-02
Spiller Name:	Not reported
Spiller Company:	D.V. SUTHERDEN
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	RON HANSEL BROUGHT TANKS INTO SITE WITH SLUDGE IN THEIR BOTTOMS. PRODUCT FOUND IN CREEK REAR OF SOUTHERDEN PROPERTY.
Remarks:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was / / : ANNYMOUS CALLER.

All Materials:

Site ID:	220102
Operable Unit ID:	904706
Operable Unit:	01
Material ID:	568154
Material Code:	0003A
Material Name:	#6 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Surface Water
Oxygenate:	Not reported

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MAP FINDINGS

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
A2	**D.V. SOTHERDEN INC.**	**UST FINDER**	**1028588674**
South	**4975 ROUTE 31**		**N/A**
< 1/8	**CLAY, NY 13041**		
0.115 mi.			
609 ft.	**Site 2 of 4 in cluster A**		

Relative:
Higher

Actual:
394 ft.

UST FINDER:

Object ID:	321875
Facility ID:	NY44888
Name:	D.V. SOTHERDEN INC.
Address:	4975 ROUTE 31
City,State,Zip:	CLAY, NY 13041
Address Match Type:	Not reported
Open USTs:	0
Closed USTs:	5
TOS USTs:	0
Population 1500ft:	79
Private Wells 1500ft:	9
Within 100yr Floodplain:	No
Land Use:	Developed, Medium Intensity
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not reported
EPA Region:	2
Tribe:	Not reported
Coordinate Source:	State
X Coord:	-76.171713
Y Coord:	43.1859040000001
Latitude:	43.185904
Longitude:	-76.171713

UST FINDER:

Object ID:	1277706
Facility ID:	NY44888
Tank ID:	NY73343
Tank Status:	Closed
Installation Date:	1986/12/01 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	2000
Substances:	Not reported
Tank Wall Type:	Not reported

Object ID:	1277707
Facility ID:	NY44888
Tank ID:	NY73344
Tank Status:	Closed
Installation Date:	1986/12/01 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	2000
Substances:	Not reported
Tank Wall Type:	Not reported

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MAP FINDINGS

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number

D.V. SOTHERDEN INC. (Continued) **1028588674**

Object ID:	1277708
Facility ID:	NY44888
Tank ID:	NY74713
Tank Status:	Closed
Installation Date:	1986/12/01 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	2000
Substances:	Not reported
Tank Wall Type:	Not reported

Object ID:	1277709
Facility ID:	NY44888
Tank ID:	NY74714
Tank Status:	Closed
Installation Date:	1986/12/01 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	2000
Substances:	Not reported
Tank Wall Type:	Not reported

Object ID:	1277710
Facility ID:	NY44888
Tank ID:	NY74715
Tank Status:	Closed
Installation Date:	1986/12/01 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	2000
Substances:	Not reported
Tank Wall Type:	Not reported

A3 **BUCKEYE PIPELINE** **AST** **U003128693**
South **4975 ROUTE 31** **NY Spills** **N/A**
< 1/8 **CLAY, NY**
0.115 mi.
609 ft. **Site 3 of 4 in cluster A**

Relative:
Higher

Actual:
394 ft.

AST:

Name:	D.V. SOTHERDEN INC.
Address:	4975 ROUTE 31
City,State,Zip:	CLAY, NY 13041
Region:	STATE
DEC Region:	7
Site Status:	Unregulated/Closed
Facility Id:	7-161942
Program Type:	PBS
UTM X:	404783.60511
UTM Y:	4782125.80400
Expiration Date:	N/A
Site Type:	Other

Affiliation Records:

Site Id:	44888
Affiliation Type:	Facility Owner
Company Name:	D.V. SOTHERDEN INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	122 FAY PARK DRIVE

Use or disclosure of information contained on this sheet is subject to restriction on the title page of this document.

Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number EPA ID Number

BUCKEYE PIPELINE (Continued) **U003128693**

Address2:	Not reported
City:	NORTH SYRACUSE
State:	NY
Zip Code:	13212
Country Code:	001
Phone:	(315) 458-6226
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	44888
Affiliation Type:	Mail Contact
Company Name:	D.V. SOTHERDEN INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	122 FAY PARK DRIVE
Address2:	Not reported
City:	NORTH SYRACUSE
State:	NY
Zip Code:	13212
Country Code:	001
Phone:	(315) 458-6226
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	44888
Affiliation Type:	Facility Operator
Company Name:	D.V. SOTHERDEN INC.
Contact Type:	Not reported
Contact Name:	CLOSED-CALL OWNER AT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(315) 458-6226
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	44888
Affiliation Type:	Emergency Contact
Company Name:	D.V. SOTHERDEN INC.
Contact Type:	Not reported
Contact Name:	CHARLES B. RUNGE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(315) 668-7996

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MAP FINDINGS

Map ID / Direction / Distance / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

BUCKEYE PIPELINE (Continued) **U003128693**

EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Tank Info:

Tank Number: 006
Tank Id: 129033
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
D00 - Pipe Type - No Piping

Tank Location: Aboveground - contact with soil.... Tank bottom rests on soil, allowing no visual inspection.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 06/01/1982
Capacity Gallons: 275
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: MJGRIFFI
Last Modified: 05/09/2022
Material Name: #2 fuel oil (on-site consumption)

Tank Number: 007
Tank Id: 129034
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
D00 - Pipe Type - No Piping

Tank Location: Aboveground - contact with soil.... Tank bottom rests on soil, allowing no visual inspection.

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MAP FINDINGS

Map ID / Direction / Distance / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

BUCKEYE PIPELINE (Continued) **U003128693**

Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Temporarily Out of Service
Pipe Model:	Not reported
Install Date:	12/01/1986
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MJGRIFFI
Last Modified:	05/09/2022
Material Name:	#2 fuel oil (on-site consumption)

SPILLS:

Name:	BUCKEYE PIPELINE
Address:	4975 ROUTE 31
City,State,Zip:	CLAY, NY
Spill Number/Closed Date:	0403307 / 2005-10-19
Facility ID:	0403307
Facility Type:	ER
DER Facility ID:	214800
Site ID:	263498
DEC Region:	7
Spill Cause:	Unknown
Spill Class:	A3
SWIS:	3424
Spill Date:	2004-06-26
Investigator:	BFMATTHE
Referred To:	Not reported
Reported to Dept:	2004-06-26
CID:	73
Water Affected:	Not reported
Spill Source:	Major Facility (MOSF) > 400,000 gal
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-06-26
Spill Record Last Update:	2006-05-03
Spiller Name:	Not reported
Spiller Company:	BUCKEYE
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	MIKE REDHEAD
DEC Memo:	UNDERGROUND PIPELINE RUPTURED CAUSING RELEASE OF UNKNOWN PETROLEUM AT RATE OF 1 GAL. POSS GASOLINE. SPILL IS ACTIVE AT THIS TIME. FIRE DEPARTMENT AND HAZMAT ARE ON SCENE. NEARBY WETLANDS MAY BE AFFECTED.
Remarks:	Closed date was entered incorrectly was corrected on May 3, 2006. The correct date is 10/19/2005

All Materials:

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MAP FINDINGS

Map ID / Direction / Distance / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

BUCKEYE PIPELINE (Continued) **U003128693**

Site ID:	263498
Operable Unit ID:	886720
Operable Unit:	01
Material ID:	490898
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3000.00
Units:	G
Recovered:	.00
Resource Affected:	Soil
Oxygenate:	False

A4 **D.V. SOTHERDEN INC.** **UST** **U004079597**
South **4975 ROUTE 31** **N/A**
< 1/8 **CLAY, NY 13041**
0.115 mi.
609 ft. **Site 4 of 4 in cluster A**

Relative: **Higher**

Actual: **394 ft.**

UST:

Name:	D.V. SOTHERDEN INC.
Address:	4975 ROUTE 31
City,State,Zip:	CLAY, NY 13041
Id/Status:	7-161942 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	7
Expiration Date:	N/A
UTM X:	404783.60511
UTM Y:	4782125.80400
Site Type:	Other

Affiliation Records:

Site Id:	44888
Affiliation Type:	Facility Owner
Company Name:	D.V. SOTHERDEN INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	122 FAY PARK DRIVE
Address2:	Not reported
City:	NORTH SYRACUSE
State:	NY
Zip Code:	13212
Country Code:	001
Phone:	(315) 458-6226
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	44888
Affiliation Type:	Mail Contact
Company Name:	D.V. SOTHERDEN INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	122 FAY PARK DRIVE

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MAP FINDINGS

Map ID / Direction / Distance / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

D.V. SOTHERDEN INC. (Continued) **U004079597**

Address2:	Not reported
City:	NORTH SYRACUSE
State:	NY
Zip Code:	13212
Country Code:	001
Phone:	(315) 458-6226
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	44888
Affiliation Type:	Facility Operator
Company Name:	D.V. SOTHERDEN INC.
Contact Type:	Not reported
Contact Name:	CLOSED-CALL OWNER AT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(315) 458-6226
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	44888
Affiliation Type:	Emergency Contact
Company Name:	D.V. SOTHERDEN INC.
Contact Type:	Not reported
Contact Name:	CHARLES B. RUNGE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(315) 668-7996
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	001
Tank ID:	129028
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	2000
Install Date:	12/01/1986
Date Tank Closed:	11/01/1990
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel

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MAP FINDINGS

Map ID / Direction / Distance / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

D.V. SOTHERDEN INC. (Continued) **U004079597**

Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: MJGRIFFI
Last Modified: 05/09/2022

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
H04 - Tank Leak Detection - Groundwater Well
B02 - Tank External Protection - Original Sacrificial Anode
C00 - Pipe Location - No Piping
I00 - Overfill - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number: 002
Tank ID: 129029
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 2000
Install Date: 12/01/1986
Date Tank Closed: 11/01/1990
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: MJGRIFFI
Last Modified: 05/09/2022

Equipment Records:

A00 - Tank Internal Protection - None
F00 - Pipe External Protection - None
H04 - Tank Leak Detection - Groundwater Well
B02 - Tank External Protection - Original Sacrificial Anode
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
I00 - Overfill - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number: 003
Tank ID: 129030
Tank Status: Closed - Removed
Material Name: Closed - Removed

Use or disclosure of information contained on this sheet is subject to restriction on the title page of this document.

Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number EPA ID Number

D.V. SOTHERDEN INC. (Continued) **U004079597**

Capacity Gallons:	2000
Install Date:	12/01/1986
Date Tank Closed:	11/01/1990
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	MJGRIFFI
Last Modified:	05/09/2022

Equipment Records:

A00 - Tank Internal Protection - None
B02 - Tank External Protection - Original Sacrificial Anode
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
H04 - Tank Leak Detection - Groundwater Well
I00 - Overfill - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number:	004
Tank ID:	129031
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	2000
Install Date:	12/01/1986
Date Tank Closed:	11/01/1990
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	MJGRIFFI
Last Modified:	05/09/2022

Equipment Records:

A00 - Tank Internal Protection - None
H04 - Tank Leak Detection - Groundwater Well
B02 - Tank External Protection - Original Sacrificial Anode
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
I00 - Overfill - None
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None

Use or disclosure of information contained on this sheet is subject to restriction on the title page of this document.

Map ID / Direction / Distance / Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number / EPA ID Number

D.V. SOTHERDEN INC. (Continued) **U004079597**

Tank Number:	005
Tank ID:	129032
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	2000
Install Date:	12/01/1986
Date Tank Closed:	11/01/1990
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0012
Common Name of Substance:	Kerosene [#1 Fuel Oil] (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	MJGRIFFI
Last Modified:	05/09/2022

Equipment Records:

A00 - Tank Internal Protection - None
B02 - Tank External Protection - Original Sacrificial Anode
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
H04 - Tank Leak Detection - Groundwater Well
I00 - Overfill - None
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None

B5 **CLAY VOLUNTEER FIRE DEPT** **RCRA NonGen / NLR** **1001079695**
SW **4948 RTE 31** **FINDS** **NYR000014027**
1/8-1/4 **CLAY, NY 13041** **ECHO**
0.153 mi. **MANIFEST**
809 ft. **Site 1 of 3 in cluster B**

Relative: Higher
Actual: 395 ft.

RCRA Listings:

Date Form Received by Agency:	20070101
Handler Name:	Clay Volunteer Fire Dept
Handler Address:	RTE 31
Handler City,State,Zip:	CLAY, NY 13041
EPA ID:	NYR000014027
Contact Name:	Not reported
Contact Address:	RTE 31
Contact City,State,Zip:	CLAY, NY 13041
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
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:	Ny

Use or disclosure of information contained on this sheet is subject to restriction on the title page of this document.

Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number EPA ID Number

CLAY VOLUNTEER FIRE DEPT (Continued) **1001079695**

State District:	NYSDEC R7
Mailing Address:	RTE 31
Mailing City,State,Zip:	CLAY, NY 13041
Owner Name:	Clay Volunteer Fire Dept
Owner Type:	Private
Operator Name:	Clay Volunteer Fire Dept
Operator Type:	Private
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 State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed 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
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:	20150414
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D018
Waste Description:	Benzene

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Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number EPA ID Number

CLAY VOLUNTEER FIRE DEPT (Continued) **1001079695**

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CLAY VOLUNTEER FIRE DEPT
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 4383 RTE 31
Owner/Operator City,State,Zip: CLAY, NY 13041
Owner/Operator Telephone: 315-652-9454
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CLAY VOLUNTEER FIRE DEPT
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 4383 RTE 31
Owner/Operator City,State,Zip: CLAY, NY 13041
Owner/Operator Telephone: 315-652-9454
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CLAY VOLUNTEER FIRE DEPT
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 4383 RTE 31
Owner/Operator City,State,Zip: CLAY, NY 13041
Owner/Operator Telephone: 315-652-9454
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19990708
Handler Name: CLAY VOLUNTEER FIRE DEPT
Federal Waste Generator Description: Not a generator, verified
State District Owner: Ny
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: 20060101
Handler Name: CLAY VOLUNTEER FIRE DEPT
Federal Waste Generator Description: Not a generator, verified
State District Owner: Ny
Large Quantity Handler of Universal Waste: No

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MAP FINDINGS

Map ID / Direction / Distance / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

CLAY VOLUNTEER FIRE DEPT (Continued) **1001079695**

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: 20070101
Handler Name: CLAY VOLUNTEER FIRE DEPT
Federal Waste Generator Description: Not a generator, verified
State District Owner: Ny
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

Receive Date: 19950927
Handler Name: CLAY VOLUNTEER FIRE DEPT
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Ny
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: 19960528
Handler Name: CLAY VOL FIRE DEPARTMENT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Ny
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: 92216
NAICS Description: FIRE PROTECTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Use or disclosure of information contained on this sheet is subject to restriction on the title page of this document.

Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number EPA ID Number

CLAY VOLUNTEER FIRE DEPT (Continued) **1001079695**

FINDS:
Registry ID: 110009484584

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001079695
Registry ID:	110009484584
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009484584
Name:	CLAY VOLUNTEER FIRE DEPT
Address:	4948 RTE 31
City,State,Zip:	CLAY, NY 13041

Manifest Facility Information:

EPA ID:	NYR000014027
Country:	USA
Name:	CLAY VOLUNTEER FIRE DEPARTMENT
Address:	4948 RTE 31
Address 2:	Not reported
City,State,Zip:	CLAY, NY 13041
Zip 4:	Not reported
Location Address 1:	4948 RT 31
Location Address 2:	Not reported
Location City,State,Zip:	CLAY, NY 13041
Location Zip 4:	Not reported
Facility Status:	Not reported
Total Tanks:	Not reported
Code:	BP

Mailing:

Mailing Name:	CLAY VOLUNTEER FIRE DEPARTMENT
Mailing Contact:	CLAY VOLUNTEER FIRE DEPARTMENT
Mailing Address 1:	4383 RT 31
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CLAY, NY 13041
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	3156529454

Manifest Data:

Document ID:	NYB7949268
Manifest Status:	Not reported
Trans1 State ID:	Not reported
Year:	1995
Trans2 State ID:	Not reported
Generator Ship Date:	10/02/1995

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Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number / EPA ID Number

CLAY VOLUNTEER FIRE DEPT (Continued) **1001079695**

Trans1 Recv Date:	10/02/1995
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/02/1995
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000014027
Trans1 EPA ID:	NYD980761191
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD095577342
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code 1:	IGNITABLE WASTE
Waste Code 2:	Not reported
Waste Code 3:	Not reported
Waste Code 4:	Not reported
Waste Code 5:	Not reported
Waste Code 6:	Not reported
Quantity:	00500
Units:	Gallons (liquids only)
Number of Containers:	001
Container Type:	Cargo tanks (tank trucks)
Handling Method:	Recycle
Specific Gravity:	01.00

B6 **CLAY FIRE STATION #1** **UST** **U000387289**
SW **4948 RT. 31** **N/A**
1/8-1/4 **CLAY, NY 13041**
0.153 mi.
809 ft. **Site 2 of 3 in cluster B**

Relative:
Higher

Actual:
395 ft.

UST:

Name:	CLAY FIRE STATION #1
Address:	4948 RT. 31
City,State,Zip:	CLAY, NY 13041
Id/Status:	7-101079 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	7
Expiration Date:	N/A
UTM X:	404599.39835
UTM Y:	4782129.60675
Site Type:	Other

Affiliation Records:

Site Id:	44448
Affiliation Type:	Facility Owner

Use or disclosure of information contained on this sheet is subject to restriction on the title page of this document.

Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number EPA ID Number

CLAY FIRE STATION #1 (Continued) **U000387289**

Company Name:	CLAY VOL. FIRE DEPT., INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	4948 RT. 31 P.O. BOX 22
Address2:	Not reported
City:	CLAY
State:	NY
Zip Code:	13041
Country Code:	001
Phone:	(315) 652-4242
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	44448
Affiliation Type:	Mail Contact
Company Name:	CLAY VOL. FIRE DEPT., INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	4948 RT. 31 P.O. BOX 22
Address2:	Not reported
City:	CLAY
State:	NY
Zip Code:	13041
Country Code:	001
Phone:	(315) 652-4242
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	44448
Affiliation Type:	Facility Operator
Company Name:	CLAY FIRE STATION #1
Contact Type:	Not reported
Contact Name:	CLAY VOL. FIRE DEPT., INC.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(315) 699-2844
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	44448
Affiliation Type:	Emergency Contact
Company Name:	CLAY VOL. FIRE DEPT., INC.
Contact Type:	Not reported
Contact Name:	B. ARNAULT
Address1:	Not reported
Address2:	Not reported
City:	Not reported

Use or disclosure of information contained on this sheet is subject to restriction on the title page of this document.

Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number EPA ID Number

CLAY FIRE STATION #1 (Continued) **U000387289**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(315) 699-6000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	001
Tank ID:	127438
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1000
Install Date:	09/01/1984
Date Tank Closed:	10/01/1995
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	MJGRIFFI
Last Modified:	05/09/2022

Equipment Records:

G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number:	002
Tank ID:	127439
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1000
Install Date:	09/01/1984
Date Tank Closed:	10/01/1995
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	NN

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MAP FINDINGS

Map ID / Direction / Distance / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

CLAY FIRE STATION #1 (Continued) **U000387289**

Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: MJGRIFFI
Last Modified: 05/09/2022

Equipment Records:

D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

B7 **CLAY FIRE STATION #1** **UST FINDER** **1028588204**
SW **4948 RT. 31** **N/A**
1/8-1/4 **CLAY, NY 13041**
0.153 mi.
809 ft. **Site 3 of 3 in cluster B**

Relative: **Higher**
Actual: **395 ft.**

UST FINDER:
Object ID: 321876
Facility ID: NY44448
Name: CLAY FIRE STATION #1
Address: 4948 RT. 31
City,State,Zip: CLAY, NY 13041
Address Match Type: Not reported
Open USTs: 0
Closed USTs: 2
TOS USTs: 0
Population 1500ft: 66
Private Wells 1500ft: 7
Within 100yr Floodplain: No
Land Use: Non-Developed
Within SPA: No
SPA PWS Facility ID: Not reported
SPA Water Type: Not reported
SPA Facility Type: Not reported
SPA HUC12: Not reported
Within WHPA: No
WHPA PWS Facility ID: Not reported
WHPA Water Type: Not reported
WHPA Facility Type: Not reported
WHPA HUC12: Not reported
Facility Status: Closed UST(s)
Date of Last Inspection: Not reported
EPA Region: 2
Tribe: Not reported
Coordinate Source: State
X Coord: -76.17398
Y Coord: 43.1859150000001
Latitude: 43.185915
Longitude: -76.17398

UST FINDER:
Object ID: 1275816

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MAP FINDINGS

Map ID / Direction / Distance / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

CLAY FIRE STATION #1 (Continued) **1028588204**

Facility ID:	NY44448
Tank ID:	NY69646
Tank Status:	Closed
Installation Date:	1984/09/01 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	1000
Substances:	Not reported
Tank Wall Type:	Not reported

Object ID:	1275817
Facility ID:	NY44448
Tank ID:	NY74149
Tank Status:	Closed
Installation Date:	1984/09/01 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	1000
Substances:	Not reported
Tank Wall Type:	Not reported

8
SE
1/8-1/4
0.204 mi.
1077 ft.

FRANSCOTTI PROP **LTANKS** **S104276505**
5001 RT 31 **N/A**
CLAY, NY

Relative:
Higher

Actual:
400 ft.

LTANKS:

Name:	FRANSCOTTI PROP
Address:	5001 RT 31
City,State,Zip:	CLAY, NY
Spill Number/Closed Date:	9311741 / 1995-02-09
Facility ID:	9311741
Site ID:	244956
Spill Date:	1994-01-03
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	1994-01-04
SWIS:	3424
Investigator:	HDWARNER
Referred To:	Not reported
Reported to Dept:	1994-01-03
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1994-01-03
Spill Record Last Update:	1995-02-09
Spiller Name:	Not reported
Spiller Company:	DICK FRANSCOTTI
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported

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MAP FINDINGS

Map ID / Direction / Distance / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

FRANSCOTTI PROP (Continued) **S104276505**

Spiller Extention: Not reported
DEC Region: 7
DER Facility ID: 201216
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was HW
Remarks: FUEL SYSTEM APPEARS TO BE LEAKING IN BASEMENT.

All Materials:
Site ID: 244956
Operable Unit ID: 990365
Operable Unit: 01
Material ID: 390762
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Resource Affected: Soil
Oxygenate: Not reported

---

9 ESE 1/8-1/4 0.247 mi. 1303 ft. **NORTH TOWN SPS** **LTANKS** **S100130721**
COUAHDENOY RD **N/A**
CLAY, NY

Relative: Higher
Actual: 400 ft.

LTANKS:
Name: NORTH TOWN SPS
Address: COUAHDENOY RD
City,State,Zip: CLAY, NY
Spill Number/Closed Date: 9011508 / 1991-02-15
Facility ID: 9011508
Site ID: 147757
Spill Date: 1991-01-22
Spill Cause: Tank Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: C3
Cleanup Ceased: 1991-02-15
SWIS: 3424
Investigator: ROMOCKI
Referred To: Not reported
Reported to Dept: 1991-02-01
CID: Not reported
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 1991-02-01
Spill Record Last Update: 1991-02-21
Spiller Name: Not reported
Spiller Company: ONONDAGA CO DDS
Spiller Address: 600 S STATE ST
Spiller County: 001

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Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number / EPA ID Number

NORTH TOWN SPS (Continued) **S100130721**

Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	7
DER Facility ID:	125773
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was MR 02/15/91: TANK REMOVED FROM SERVICE. SMALL HOLE OBSERVED IN THE TANK. SOME CONTAMINATED SOIL STAGED ONSITE. TANK HAULED OFF SITE FOR CLEANING.
Remarks:	EMERGENCY GENERATOR FUEL TANK TOOK ON WATER. WILL BE REPLACED.

All Materials:

Site ID:	147757
Operable Unit ID:	951548
Operable Unit:	01
Material ID:	564851
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	Not reported
Recovered:	3.00
Resource Affected:	Soil
Oxygenate:	Not reported

Use or disclosure of information contained on this sheet is subject to restriction on the title page of this document.

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

Use or disclosure of information contained on this sheet is subject to restriction on the title page of this document.

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: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 01/02/2024
Next Scheduled EDR Contact: 04/08/2024
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: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 01/02/2024
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Use or disclosure of information contained on this sheet is subject to restriction on the title page of this document.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

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.

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 01/02/2024
Next Scheduled EDR Contact: 04/08/2024
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: 09/25/2023
Date Data Arrived at EDR: 09/26/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/20/2023
Next Scheduled EDR Contact: 04/08/2024
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 know 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: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/02/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

Use or disclosure of information contained on this sheet is subject to restriction on the title page of this document.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/02/2024
Next Scheduled EDR Contact: 04/22/2024
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.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
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: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
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: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
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: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/03/2023
Date Data Arrived at EDR: 08/07/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 64

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/02/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Varies

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: 08/21/2023
Date Data Arrived at EDR: 08/21/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
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: 08/21/2023
Date Data Arrived at EDR: 08/21/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/18/2023
Date Data Arrived at EDR: 09/20/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 82

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/13/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/24/2023
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/07/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Annually

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Facility Register

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: 09/27/2023
Date Data Arrived at EDR: 09/28/2023
Date Made Active in Reports: 12/19/2023
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 12/19/2023
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 04/14/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 04/26/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

LTANKS: Spills Information Database
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/25/2023
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST LTANKS: Listing of Leaking Storage Tanks
A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 82
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

UST: Petroleum Bulk Storage (PBS) Database
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 09/07/2023
Number of Days to Update: 1
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 12/14/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30
Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30
Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF: Major Oil Storage Facility Site Listing
These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 09/07/2023
Number of Days to Update: 1
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 12/14/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

Use or disclosure of information contained on this sheet is subject to restriction on the title page of this document.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 09/07/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 12/14/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 09/07/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 12/14/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

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)

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

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: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 04/14/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 04/26/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 04/25/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TANKS: Storage Tank Faciliy Listing
This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 09/07/2023
Number of Days to Update: 1
Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 12/14/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

ENV RES DECL: Environmental Restrictive Declarations
The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 03/21/2023
Date Data Arrived at EDR: 06/20/2023
Date Made Active in Reports: 09/12/2023
Number of Days to Update: 84
Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 12/14/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Varies

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 03/21/2023
Date Data Arrived at EDR: 06/14/2023
Date Made Active in Reports: 08/31/2023
Number of Days to Update: 78
Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 12/11/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/24/2023
Number of Days to Update: 77
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 11/07/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/24/2023
Number of Days to Update: 77
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 11/07/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Agreements
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/24/2023
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 11/07/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Semi-Annually

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/12/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Varies

VCP NYC: Voluntary Cleanup Program Listing NYC
New York City voluntary cleanup program sites.

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/07/2023
Date Made Active in Reports: 11/28/2023
Number of Days to Update: 82

Source: New York City Office of Environmental Protection
Telephone: 212-788-8841
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Site List
A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/24/2023
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 11/07/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Semi-Annually

ERP: Environmental Restoration Program Listing
In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/24/2023
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/07/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Quarterly

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/15/2023
Date Data Arrived at EDR: 08/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/14/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 02/27/2018
Date Data Arrived at EDR: 04/06/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 11/28/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: No Update Planned

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 09/27/2023
Date Data Arrived at EDR: 09/28/2023
Date Made Active in Reports: 12/19/2023
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 12/19/2023
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

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: 10/23/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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 Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/28/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 08/21/2023
Date Data Arrived at EDR: 08/21/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 78

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/24/2023
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/07/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/21/2023
Date Data Arrived at EDR: 08/21/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 78

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Spill Liens Information
Lien information from the Oil Spill Fund.

Date of Government Version: 07/27/2023
Date Data Arrived at EDR: 07/27/2023
Date Made Active in Reports: 10/17/2023
Number of Days to Update: 82
Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 10/26/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/04/2023
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Semi-Annually

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: 09/18/2023
Date Data Arrived at EDR: 09/20/2023
Date Made Active in Reports: 11/14/2023
Number of Days to Update: 55
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/13/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

SPILLS: Spills Information Database
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/25/2023
Number of Days to Update: 78
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database
This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

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: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/15/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 56

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/10/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/10/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Varies

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: 09/18/2023
Date Data Arrived at EDR: 09/20/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/13/2023
Next Scheduled EDR Contact: 04/01/2024
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
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 10/31/2023
Next Scheduled EDR Contact: 02/12/2024
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
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/03/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

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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: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/14/2023
Next Scheduled EDR Contact: 03/25/2024
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: 12/31/2021
Date Data Arrived at EDR: 08/18/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 81

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/13/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/19/2023
Date Data Arrived at EDR: 10/20/2023
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 88

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 01/02/2024
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Annually

RMP: Risk Management Plans

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/01/2023
Date Data Arrived at EDR: 09/27/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/12/2024
Next Scheduled EDR Contact: 04/19/2024
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/04/2023
Next Scheduled EDR Contact: 02/12/2024
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.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/26/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Quarterly

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/20/2023
Date Data Arrived at EDR: 09/01/2023
Date Made Active in Reports: 09/20/2023
Number of Days to Update: 19
Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 04/14/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 87
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/27/2023
Next Scheduled EDR Contact: 03/11/2024
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: 11/27/2023
Next Scheduled EDR Contact: 03/11/2024
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: 11/03/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 12/19/2023
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Quarterly

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: 12/31/2023
Date Data Arrived at EDR: 01/11/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 5

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/15/2024
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: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Biennially

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/02/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Semi-Annually

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: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/09/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/02/2024
Next Scheduled EDR Contact: 04/08/2024
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 1931and 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
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
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.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
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
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2023
Date Data Arrived at EDR: 08/22/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 77

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 1

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/20/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/20/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/20/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/28/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 12

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 11/28/2023
Next Scheduled EDR Contact: 03/18/2024
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).

Date of Government Version: 11/03/2023
Date Data Arrived at EDR: 11/08/2023
Date Made Active in Reports: 11/20/2023
Number of Days to Update: 12

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Quarterly

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: 11/15/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/22/2024
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: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
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.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/14/2023
Date Data Arrived at EDR: 08/15/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 65

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/10/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 10/23/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Use or disclosure of information contained on this sheet is subject to restriction on the title page of this document.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS 3: PFAS Environmental Site Remediation List

Per- and Polyfluoroalkyl Substances (PFAS) are a group of chemicals used to make fluoropolymer coatings and products that resist heat, oil, stains, grease, and water. Fluoropolymer coatings are blends of resins and lubricants used in products such as water-repellent clothing, furniture, adhesives, paint and varnish, food packaging, heat-resistant non-stick cooking surfaces and insulation of electrical wires. Chemicals in this group include perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS).

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/24/2023
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9759
Last EDR Contact: 11/07/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Varies

PFAS 2: New York State Inactive Landfill Initiative

A list of landfills that were investigated and the analytical results for PFOA and PFOS for those landfills. These data represent the landfills from the ILI database that were investigated.

Date of Government Version: 12/12/2022
Date Data Arrived at EDR: 08/10/2023
Date Made Active in Reports: 10/25/2023
Number of Days to Update: 76

Source: Department of Environmental Conservation
Telephone: 518-402-9662
Last EDR Contact: 10/26/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

DEC surveyed select businesses, fire departments, fire training centers, bulk storage facilities, airports, and Department of Defense (DoD) facilities. The responses to the survey have helped to determine if these entities used or stored materials containing PFOA/PFOS including AFFF and dispersants used in Teflon coating operations. The results of this survey will be updated periodically as additional responses are received..

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 05/08/2019
Date Made Active in Reports: 06/24/2019
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-9020
Last EDR Contact: 11/03/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 07/28/2023
Date Data Arrived at EDR: 08/02/2023
Date Made Active in Reports: 08/08/2023
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 01/12/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 09/08/2023
Date Data Arrived at EDR: 09/27/2023
Date Made Active in Reports: 12/18/2023
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 12/19/2023
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 11/29/2023
Date Data Arrived at EDR: 12/12/2023
Date Made Active in Reports: 12/19/2023
Number of Days to Update: 7

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 11/29/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Annually

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 07/26/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/07/2023
Number of Days to Update: 85

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 12/11/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 10/01/2023
Date Data Arrived at EDR: 10/05/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 12/19/2023
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous 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: 07/31/2021
Date Data Arrived at EDR: 01/05/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 11/29/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

NYC LEAD: Lead-based Paint Testing Results

The results of the inspections for all classrooms serving students under six in applicable buildings. Identifies all classrooms, whether there was observation of peeling paint, and if there was, standard response protocol was followed.

Date of Government Version: 06/07/2023
Date Data Arrived at EDR: 08/01/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 79

Source: New York City Department of Education
Telephone: 212-374-5141
Last EDR Contact: 11/02/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NYC LEAD 2: Recent Lead Paint Violations

Pursuant to New York City?s Housing Maintenance Code, the Department of Housing Preservation and Development (HPD) issues violations against conditions in rental dwelling units that have been verified to violate the New York City Housing Maintenance Code (HMC) or the New York State Multiple Dwelling Law (MDL). Violations are issued when an inspection verifies that a violation of the HMC or MDL exists. It is closed when the violation is corrected, as observed/verified by HPD or as certified by the landlord.

Date of Government Version: 07/31/2023
Date Data Arrived at EDR: 08/01/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 79

Source: New York City Department of Housing Preservation & Development
Telephone: 212-863-8200
Last EDR Contact: 11/02/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

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: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/30/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Quarterly

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 07/26/2023
Date Data Arrived at EDR: 08/10/2023
Date Made Active in Reports: 10/25/2023
Number of Days to Update: 76

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 01/12/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: No Update Planned

VAPOR REOPENED: Vapor Intrusion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 02/08/2022
Date Made Active in Reports: 05/06/2022
Number of Days to Update: 87

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 11/09/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Varies

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 08/27/2023
Date Data Arrived at EDR: 08/30/2023
Date Made Active in Reports: 11/16/2023
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 11/22/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Quarterly

COOLING TOWERS: Registered Cooling Towers

This data includes the location of cooling towers registered with New York State. The data is self-reported by owners/property managers of cooling towers in service in New York State. In August 2015, the New York State Department of Health released emergency regulations requiring the owners of cooling towers to register them with New York State.

Use or disclosure of information contained on this sheet is subject to restriction on the title page of this document.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/03/2023
Date Data Arrived at EDR: 10/10/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 86
Source: Department of Health
Telephone: 518-402-7650
Last EDR Contact: 01/10/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Varies

ILI: New York State Inactive Landfill Initiative

A solid waste site priority list of mitigation and remedial activities to address sites causing, or substantially contributing to, impairments of drinking water quality. Inactive solid waste disposal sites, primarily landfills, and their potential impact on New York?s drinking water resources from site-related contaminants, with a focus on emerging contaminants.

Date of Government Version: 06/24/2022
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 78
Source: Department of Environmental Conservation
Telephone: 518-402-8671
Last EDR Contact: 10/04/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

NYC LAND USE: New York City Land Use Information

Land use colors

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 06/13/2023
Date Made Active in Reports: 01/03/2024
Number of Days to Update: 204
Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 12/11/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Varies

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106
Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 11/09/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Varies

MGP: Manufactured Gas Plants Listing

From the late 1800’s to the mid 1900’s, hundreds of manufactured gas plants across New York State supplied homes and industry with fuel for heating, cooking, and lighting. Today, the New York State DEC is overseeing the investigation and cleanup of contamination left behind from these plants.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/19/2021
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 753
Source: Department of Environmental Conservation
Telephone: 518-402-9662
Last EDR Contact: 11/29/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

NYC OER: OER Cleanup Sites Listing

Properties remediated under OER’s oversight, both in the E-Designation program and the NYC Voluntary Cleanup Program. Includes sites completed and in progress.

Date of Government Version: 06/04/2023
Date Data Arrived at EDR: 06/06/2023
Date Made Active in Reports: 12/04/2023
Number of Days to Update: 181
Source: Office of Environmental Remediation
Telephone: 212-788-8841
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79

Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 10/31/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
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 Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

AST - CORTLAND: Cortland County Storage Tank Listing
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 10/23/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Quarterly

UST - CORTLAND: Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 10/23/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Quarterly

NASSAU COUNTY:

AST - NASSAU: Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 10/23/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: No Update Planned

Use or disclosure of information contained on this sheet is subject to restriction on the title page of this document.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST NCFM: Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 10/23/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

TANKS NASSAU: Registered Tank Database in Nassau County
A listing of facilities in Nassau County with storage tanks.

Date of Government Version: 11/01/2023
Date Data Arrived at EDR: 11/07/2023
Date Made Active in Reports: 11/13/2023
Number of Days to Update: 6

Source: Nassau County Department of Health
Telephone: 516-227-9691
Last EDR Contact: 10/23/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: No Update Planned

UST - NASSAU: Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 10/23/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: No Update Planned

UST NCFM: Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 10/23/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

ROCKLAND COUNTY:

AST - ROCKLAND: Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 11/21/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: No Update Planned

UST - ROCKLAND: Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 11/21/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: No Update Planned

SUFFOLK COUNTY:

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST - SUFFOLK: Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 10/23/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: No Update Planned

TANKS SUFFOLK: Storage Tank Database
This county is not included in the state?s database. These are facilities that have no tank information in the storage tank database.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 02/05/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 31

Source: Department of Health Services
Telephone: 631-854-2516
Last EDR Contact: 10/23/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

UST - SUFFOLK: Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 10/23/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

AST - WESTCHESTER: Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 07/03/2023
Date Data Arrived at EDR: 08/18/2023
Date Made Active in Reports: 11/03/2023
Number of Days to Update: 77

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 10/23/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Semi-Annually

UST - WESTCHESTER: Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 07/03/2023
Date Data Arrived at EDR: 08/18/2023
Date Made Active in Reports: 11/03/2023
Number of Days to Update: 77

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 10/23/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Semi-Annually

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.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/24/2023
Number of Days to Update: 77

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/07/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Annually

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: 01/05/2024
Next Scheduled EDR Contact: 04/22/2024
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: 11/09/2022
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/22/2024
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: 11/29/2023
Next Scheduled EDR Contact: 03/18/2024
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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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

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, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

RAIL SPUR ADDITION
WELLER CANNING STREET
CLAY, NY 13041

TARGET PROPERTY COORDINATES

Latitude (North):	43.188283 - 43° 11' 17.82''
Longitude (West):	76.17132 - 76° 10' 16.75''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	404816.5
UTM Y (Meters):	4782174.5
Elevation:	394 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	14115602 BREWERTON, NY
Version Date:	2019

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.

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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).

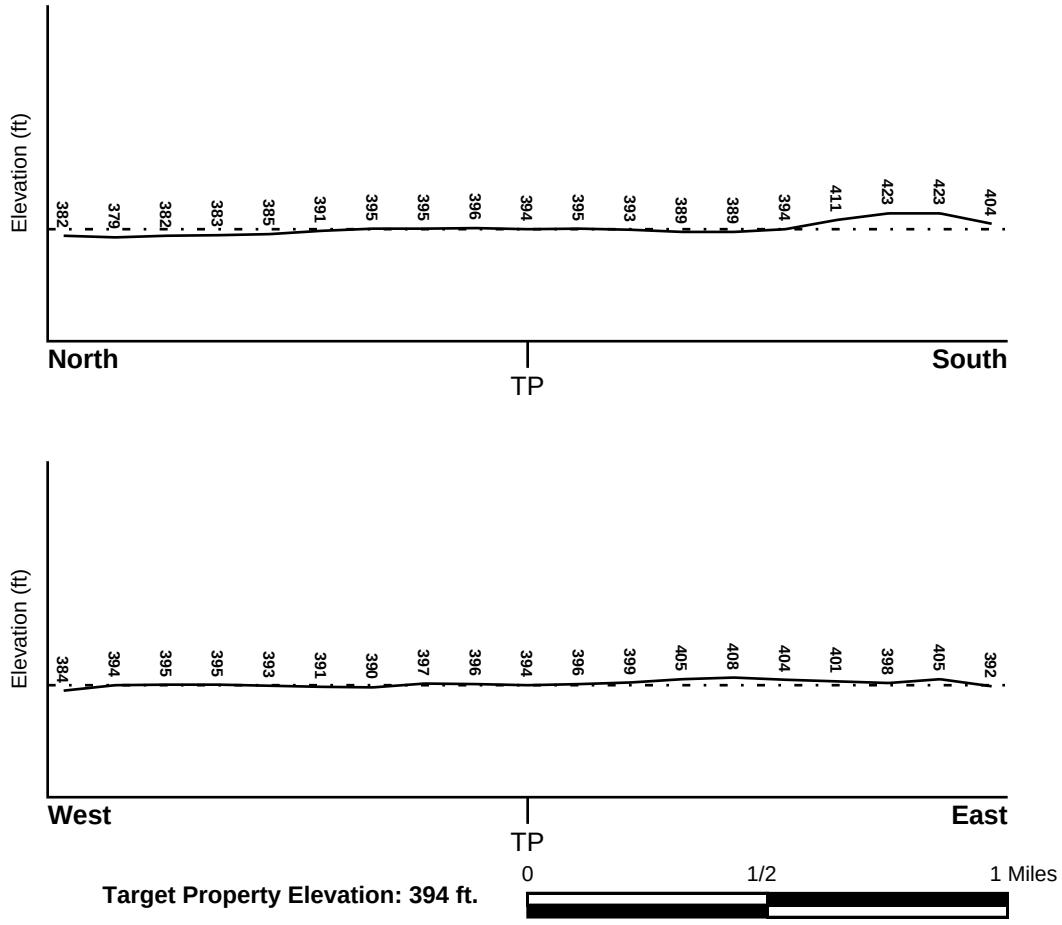
TOPOGRAPHIC INFORMATION

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 West

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.

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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

Flood Plain Panel at Target Property	FEMA Source Type
3605730010D	FEMA Q3 Flood data

Additional Panels in search area:	FEMA Source Type
36075C0654G	FEMA FIRM Flood data
3605730005B	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BREWERTON	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.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

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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:	Silurian
Series:	Middle Silurian (Niagoaran)
Code:	S2 *(decoded above as Era, System & Series)*

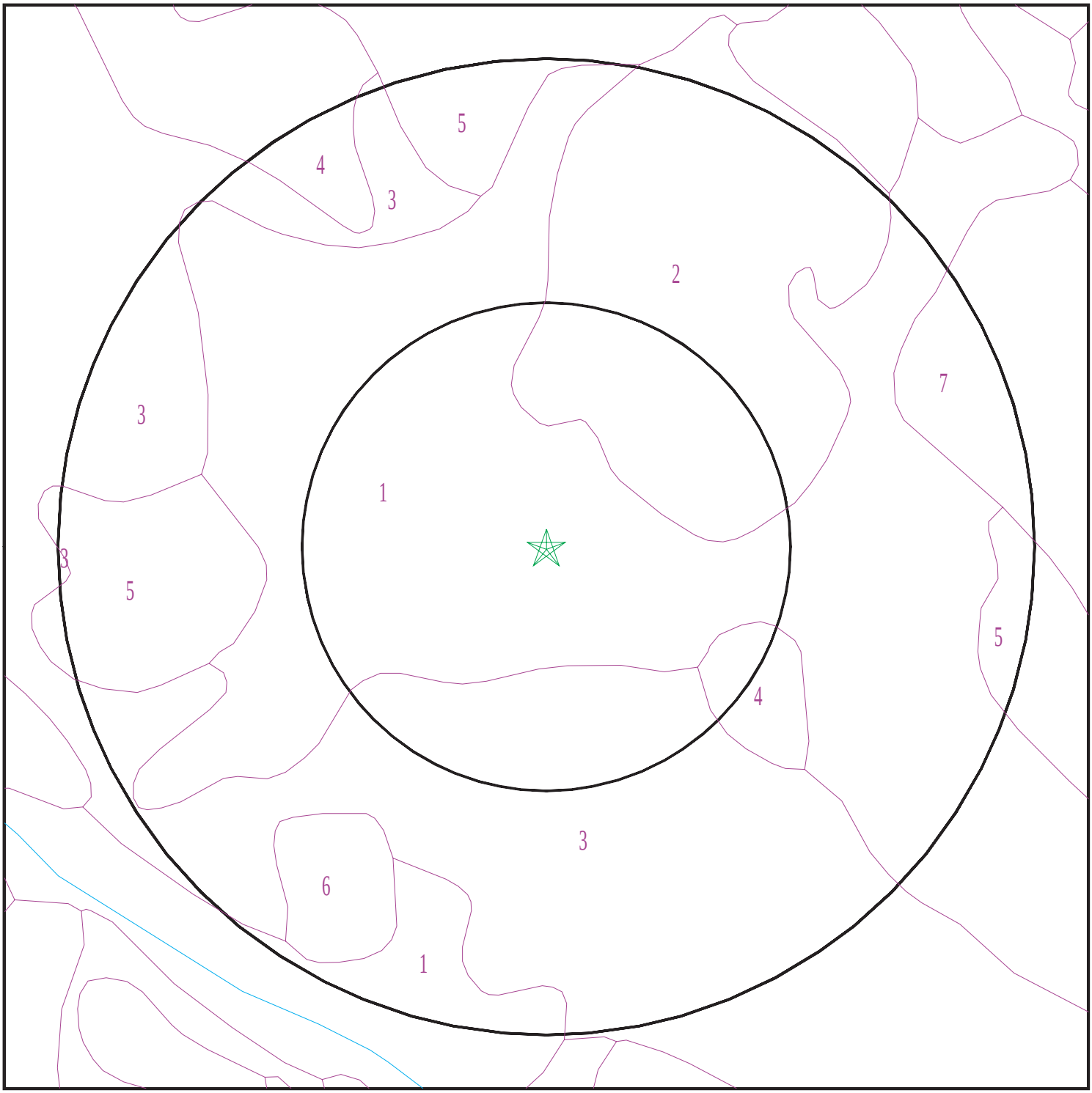
GEOLOGIC AGE IDENTIFICATION

Category: Stratifed 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).

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SSURGO SOIL MAP - 7545784.2s



SITE NAME:	Rail Spur Addition	CLIENT:	AKRF, Inc.
ADDRESS:	Weller Canning Street Clay NY 13041	CONTACT:	Bryan Zieroff
LAT/LONG:	43.188283 / 76.17132	INQUIRY #:	7545784.2s
		DATE:	January 19, 2024 4:54 pm

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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: Niagara

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: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
2	11 inches	38 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
3	38 inches	59 inches	stratified silt loam to loamy very fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Rhinebeck

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	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. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1
2	7 inches	11 inches	silty clay	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. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1
3	11 inches	35 inches	silty clay	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. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
4	35 inches	59 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. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1

Soil Map ID: 3

Soil Component Name: Collamer

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: > 0 inches

Depth to Watertable Min: > 54 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 0.42	Max: 8.4 Min: 6.1

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	9 inches	16 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 0.42	Max: 8.4 Min: 6.1
3	16 inches	42 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 0.42	Max: 8.4 Min: 6.1
4	42 inches	59 inches	stratified silt loam to very fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 0.42	Max: 8.4 Min: 6.1

Soil Map ID: 4

Soil Component Name: Dunkirk

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.1
2	5 inches	16 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.1
3	16 inches	35 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.1
4	35 inches	72 inches	stratified silt loam to very fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.1

Soil Map ID: 5

Soil Component Name: Collamer

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: > 0 inches

Depth to Watertable Min: > 54 inches

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 0.42	Max: 8.4 Min: 6.1
2	9 inches	16 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 0.42	Max: 8.4 Min: 6.1
3	16 inches	42 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 0.42	Max: 8.4 Min: 6.1
4	42 inches	59 inches	stratified silt loam to very fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 0.42	Max: 8.4 Min: 6.1

Soil Map ID: 6

Soil Component Name: Udorthents

Soil Surface Texture: channery loam

Hydrologic Group: Class A/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	channery loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 0.42	Max: 8.4 Min: 4.5
2	3 inches	70 inches	very channery loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 0.42	Max: 8.4 Min: 4.5

Soil Map ID: 7

Soil Component Name: Ontario

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 101 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	14 inches	31 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
3	31 inches	59 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

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

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000874269	0 - 1/8 Mile ESE
5	USGS40000874322	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	NY0005674	1/8 - 1/4 Mile SSW

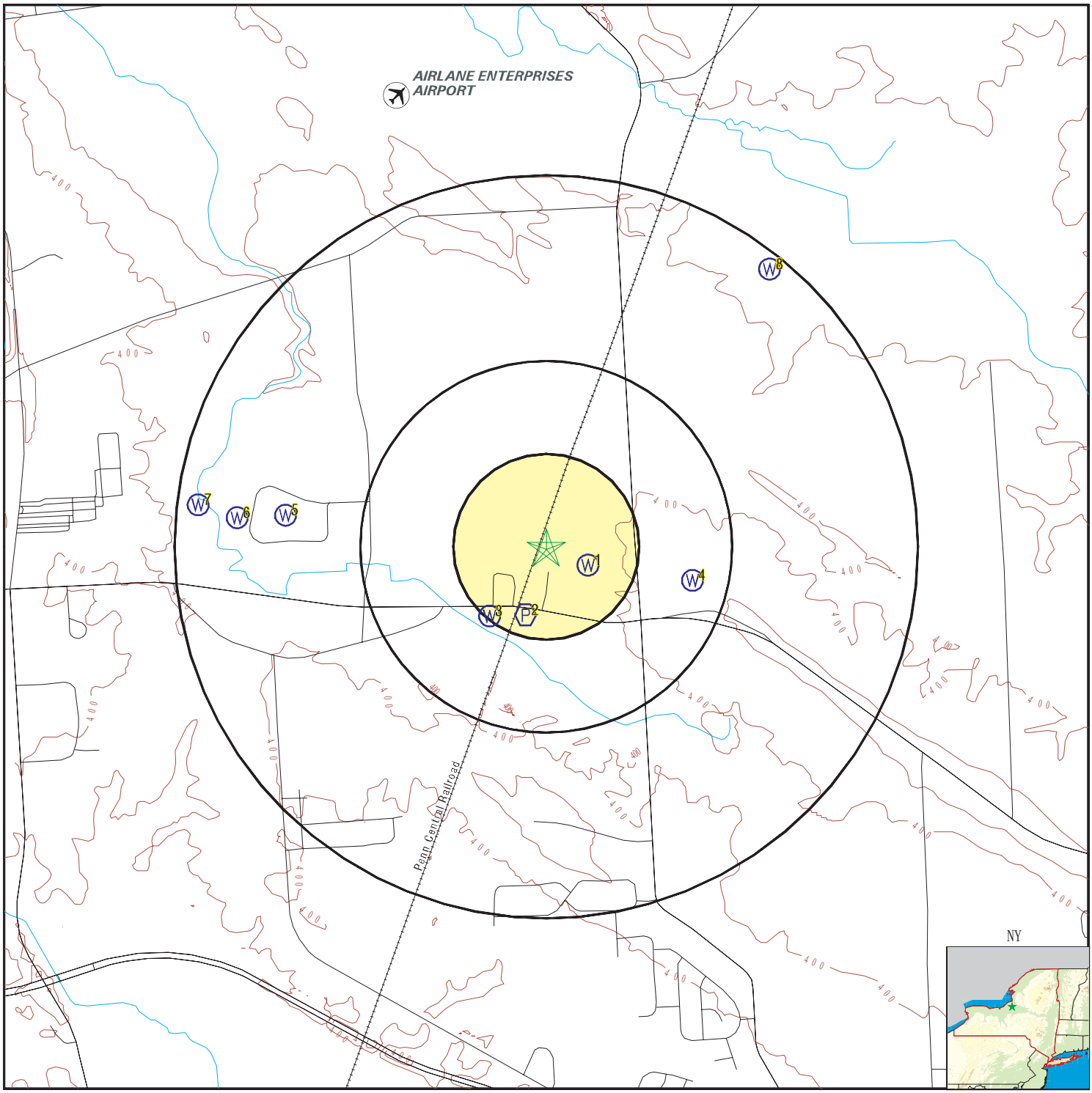
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
3	NYWS40000074367	1/8 - 1/4 Mile SW
4	NYWS40000074365	1/4 - 1/2 Mile ESE
6	NYWS40000074816	1/2 - 1 Mile West
7	NYWS40000074813	1/2 - 1 Mile West
8	NYWS40000074719	1/2 - 1 Mile NE

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PHYSICAL SETTING SOURCE MAP - 7545784.2s



- 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
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Rail Spur Addition	CLIENT:	AKRF, Inc.
ADDRESS:	Weller Canning Street Clay NY 13041	CONTACT:	Bryan Zieroff
LAT/LONG:	43.188283 / 76.17132	INQUIRY #:	7545784.2s
		DATE:	January 19, 2024 4:54 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
ESE **FED USGS** **USGS40000874269**
0 - 1/8 Mile
Higher

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	OD 347	Type:	Well
Description:	Not Reported	HUC:	04140202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Sand and Gravel	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	22
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1960-06-07
Feet below surface:	2.90	Feet to sea level:	Not Reported
Note:	Not Reported		

2
SSW **FRDS PWS** **NY0005674**
1/8 - 1/4 Mile
Lower

PWS ID:	NY0005674	PWS type:	System Owner/Responsible Party
PWS name:	FITCH E J	PWS address:	METROPOLITIAN WATER BOARD
PWS address:	RTE 31 AND SOULE ROAD	PWS city:	CLAY
PWS state:	NY	PWS zip:	13041
PWS ID:	NY0005674	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00000000	System name:	METROPOLITAN WATER BOARD
System address:	Not Reported	System address:	RTE 31 AND SOULE ROAD
System city:	CLAY	System state:	NY
System zip:	13041		
County FIPS:	033	City served:	CLAY
Latitude:	431108	Longitude:	0761022
Latitude:	432818	Longitude:	0763300

3
SW **NY WELLS** **NYWS40000074367**
1/8 - 1/4 Mile
Lower

DEC Well #:	OW2005	Well Depth (ft):	81
Bedrock Depth (ft):	41	Groundwater Depth (ft):	0
Casing Depth (ft):	Not Reported	Casing 1 Diameter (in):	6
Casing 1 Length (ft):	41	Casing 2 Diameter (in):	Not Reported
Casing 2 Length (ft):	Not Reported	Screened Well:	N
Screen Length (ft):	Not Reported	Avg Discharge Rate (gpm):	2
Well Purpose:	Domestic	Driller Registration #:	NYRD10230

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

4
ESE | **NY WELLS** | **NYWS40000074365**
1/4 - 1/2 Mile
Higher

DEC Well #:	OW2003	Well Depth (ft):	51
Bedrock Depth (ft):	-999	Groundwater Depth (ft):	0
Casing Depth (ft):	Not Reported	Casing 1 Diameter (in):	6
Casing 1 Length (ft):	51	Casing 2 Diameter (in):	Not Reported
Casing 2 Length (ft):	Not Reported	Screened Well:	N
Screen Length (ft):	Not Reported	Avg Discharge Rate (gpm):	15
Well Purpose:	Domestic	Driller Registration #:	NYRD10230

5
West | **FED USGS** | **USGS40000874322**
1/2 - 1 Mile
Higher

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	OD 348	Type:	Well
Description:	Not Reported	HUC:	04140202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	36	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1960-06-07
Feet below surface:	6.70	Feet to sea level:	Not Reported
Note:	Not Reported		

6
West | **NY WELLS** | **NYWS40000074816**
1/2 - 1 Mile
Lower

DEC Well #:	OW2500	Well Depth (ft):	28
Bedrock Depth (ft):	-999	Groundwater Depth (ft):	0
Casing Depth (ft):	Not Reported	Casing 1 Diameter (in):	6
Casing 1 Length (ft):	28	Casing 2 Diameter (in):	Not Reported
Casing 2 Length (ft):	Not Reported	Screened Well:	N
Screen Length (ft):	Not Reported	Avg Discharge Rate (gpm):	15
Well Purpose:	Domestic	Driller Registration #:	NYRD10230

7
West | **NY WELLS** | **NYWS40000074813**
1/2 - 1 Mile
Lower

DEC Well #:	OW2497	Well Depth (ft):	65
Bedrock Depth (ft):	43	Groundwater Depth (ft):	0
Casing Depth (ft):	Not Reported	Casing 1 Diameter (in):	6
Casing 1 Length (ft):	43	Casing 2 Diameter (in):	Not Reported

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing 2 Length (ft):	Not Reported	Screened Well:	N
Screen Length (ft):	Not Reported	Avg Discharge Rate (gpm):	3
Well Purpose:	Domestic	Driller Registration #:	NYRD10230

8
NE
1/2 - 1 Mile
Lower

NY WELLS **NYWS40000074719**

DEC Well #:	OW2398	Well Depth (ft):	77
Bedrock Depth (ft):	77	Groundwater Depth (ft):	0
Casing Depth (ft):	Not Reported	Casing 1 Diameter (in):	6
Casing 1 Length (ft):	77	Casing 2 Diameter (in):	Not Reported
Casing 2 Length (ft):	Not Reported	Screened Well:	N
Screen Length (ft):	Not Reported	Avg Discharge Rate (gpm):	100
Well Purpose:	Domestic	Driller Registration #:	NYRD10230

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
ONONDAGA	CAMILLUS	980	11.38	6	188.3
ONONDAGA	CICERO	275	1.96	1.28	30.5
ONONDAGA	CLAY	328	2	1.19	30.4
ONONDAGA	DE WITT	754	10.01	3.76	346.7
ONONDAGA	ELBRIDGE	129	13.42	6.2	96.1
ONONDAGA	FABIUS	26	5.17	3.03	26.5
ONONDAGA	GEDDES	291	9.25	4.79	99.3
ONONDAGA	LAFAYETTE	105	7.39	4.25	95.6
ONONDAGA	LYSANDER	272	4.14	2.1	89.1
ONONDAGA	MANLIUS	1,442	11.4	5.03	341.8
ONONDAGA	MARCELLUS	251	5.91	3.39	98
ONONDAGA	ONONDAGA	294	10.8	5.9	89.4
ONONDAGA	OTISCO	21	7.32	3.64	40.1
ONONDAGA	POMPEY	105	6.84	4.7	35
ONONDAGA	SALINA	449	2.49	1.49	69.5
ONONDAGA	SKANEATELES	203	4.39	2.43	105.7
ONONDAGA	SPAFFORD	16	3.66	2.32	8.8
ONONDAGA	SYRACUSE	2,334	6.8	3.48	185.4
ONONDAGA	TULLY	140	18.29	8.48	165.2
ONONDAGA	VAN BUREN	119	6.68	2.5	70.1

Federal EPA Radon Zone for ONONDAGA County: 1

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 ONONDAGA COUNTY, NY

Number of sites tested: 476

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	1.760 pCi/L	76%	21%	3%
Basement	3.000 pCi/L	62%	29%	9%

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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, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

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.

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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

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

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

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PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX E
PREVIOUS ENVIRONMENTAL REPORTS AND LOCAL RECORDS

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Environmental, Planning, and Engineering Consultants
440 Park Avenue South
7th Floor
New York, NY 10016
tel: 212 696-0670
fax: 212 213-3191
www.akrf.com

June 1, 2023

Carson Henry
US Expansion SPMO Sr. Director
Micron Technology, Inc.
8000 South Federal Way
Boise, Idaho 83716

Re: Phase I Environmental Site Assessment
Micron Clay Fab Facility, Clay, NY
AKRF Project Number 220350

PRELIMINARY DRAFT

Dear Mr. Henry:

AKRF, Inc. (AKRF) is pleased to submit this Phase I Environmental Site Assessment Report for the above-referenced Subject Property. This report includes the findings of a reconnaissance of the Subject Property, and an evaluation of readily available historical information and selected environmental databases and electronic records. The report meets the requirements of ASTM Standard E1527-21, unless noted otherwise in Section 8.0, "Limitations and Data Gaps."

We appreciate the opportunity to provide you with our services. If you should have any questions, please do not hesitate to contact us.

Sincerely,
AKRF, Inc.

Marc S. Godick, LEP
Senior Vice President

Bryan Zieroff, CPG, LEP
Senior Technical Director

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MICRON CLAY FAB FACILIY
CLAY, NEW YORK

Phase I Environmental Site Assessment

AKRF Project Number: 220350

PRELIMINARY DRAFT

Prepared for:

Micron Technology, Inc.
8000 South Federal Way
Boise, Idaho 83716

Prepared by:

AKRF, Inc.
34 South Broadway, Suite 300
White Plains, NY 10601
914-949-7336

JUNE 2023

DRAFT FOR AGENCY REVIEW -- CONFIDENTIAL BUSINESS INFORMATION
THIS DOCUMENT CONTAINS TRADE SECRET, PROPRIETARY, OR CONFIDENTIAL
INFORMATION OF MICRON TECHNOLOGY, INC.
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EXECUTIVE SUMMARY

AKRF, Inc. (AKRF) was retained by Micron Idaho Semiconductor Manufacturing (Triton) LLC ("Micron") to perform a Phase I Environmental Site Assessment (ESA) of the collection of mostly vacant parcels within the area generally bounded by Caughdenoy Road to the west, Burnet Road to the east, State Route 31 to the south, and vacant agricultural and forested land to the north in the Town of Clay, Onondaga County, New York (the "Subject Property"). The Subject Property consists of 33 parcels totaling approximately 804 acres. Historically, 24 parcels were used for residential purposes, seven parcels were vacant land in industrial areas, and two parcels were used for agriculture. Currently, 20 parcels were listed as residential, 12 parcels were listed as vacant, and one parcel was listed as public services containing a cellular telephone tower. The greater surrounding area primarily consists of rural residential and vacant properties to the north, east, and south of the Subject Property, and rural residential, vacant land, industrial, and municipal properties to the west of the Subject Property.

AKRF understands that the Subject Property encompasses a portion of the greater Micron redevelopment area, which extends approximately 510 acres to the east of Burnet Road. AKRF was not provided access to parcels within the greater Micron redevelopment area beyond the Subject Property parcels described herein.

The objective of this assessment was to identify any potential environmental concerns associated with the Subject Property resulting from past or current usage of the Subject Property or neighboring sites. This Phase I ESA was performed in conformance with both American Society for Testing and Materials (ASTM) Standard E1527-21, *Standard Practice for Phase I Environmental Site Assessments*. Any exceptions to, or deletions from, this practice are described in Sections 9.0, 10.0, and 11.0 of this report.

The term Recognized Environmental Condition (REC) means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any 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. The term Historical Recognized Environmental Condition (HREC) means a past release that has been remediated to below "residential" standards and given regulatory closure with no use restrictions. There are also definitions for Controlled REC (CREC), which indicates that there is known contamination that is being managed by use restriction or mitigation controls, and De Minimis Condition. A De Minimis Condition is defined as an environmental concern that is not a threat to human health or the environment and would not be subject to enforcement action.

This assessment did not reveal any RECs, HRECs, or CRECs at the Subject Property. A summary of the assessment findings is presented below:

De Minimis Conditions

- Various small quantity containers of household-type cleaners, chemicals, gas cans, paint containers, miscellaneous building materials (i.e., roofing materials, wood, concrete blocks), and debris were observed in piles at several properties.
- Historic agricultural practices may have involved the application of pesticides and/or herbicides.
- Historical reports have documented the presence of fuel oil aboveground storage tanks (ASTs) at some residences within the Subject Property, and the potential for unknown underground storage tanks (USTs) exists. NYSDEC Spills include incident reports with inconclusive or an absence of closure data where a potential exists to encounter petroleum contaminated soil in the subsurface during earthwork.

PRELIMINARY DRAFT

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Other Environmental Observations

- According to data compiled by the New York State Department of Health, Onondaga County has an average indoor radon measurement of 8.02 picocuries/liter based on radon testing of over 9,000 homes. The USEPA recommended action level is 4.0 picocuries/liter. Onondaga County is considered a High-Risk County for radon in New York State.
- No obvious signs of ACM were observed at the remaining vacant residential structures at the Subject Property; however, ACM may be present in some building materials including roofing materials and drywall and associated joint compound. Prior to implementing an activity that could disturb suspect ACM (e.g., renovation or demolition), a NYS-certified asbestos inspector should inspect the areas and conduct testing, as necessary, to determine whether the activity would disturb ACM. Any such ACM must be removed prior to the activity.
- Based on the ages of the vacant residential structures remaining at the Subject Property, the structures could potentially contain lead-based paint.

Recommendations

- For future development plans that include earthwork on the Property, appropriate measures should be conducted to ascertain environmental conditions in the areas where soil disturbance is anticipated. The investigation should evaluate whether pesticides and/or herbicides exist as a result of past agricultural use, soil quality in areas surrounding petroleum storage or debris piles, and for general soil characterization/handling during construction.
- If petroleum tanks are encountered during any excavation completed for future construction, they should be closed and removed, along with any contaminated soil, in accordance with applicable requirements. Any evidence of a petroleum spill should be reported to NYSDEC and addressed in accordance with applicable requirements. If tanks are discovered, they should be properly registered, if required, with the NYSDEC.
- A pre-renovation or pre-demolition ACM survey should be performed prior to any disturbance of suspect ACM, and any ACM with the potential to be disturbed during any renovation or demolition activities, should be removed and disposed of in accordance with local, state and federal requirements. ACM should be maintained in good condition in accordance with applicable regulations.
- All future demolition or renovation activities with the potential to disturb lead-based paint should be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62—*Lead Exposure in Construction*).
- Radon levels should be tested in accordance with applicable regulations to determine whether mitigation is warranted for any future on-site development.
- Soil excavated as part of any proposed development activities should be managed in accordance with all applicable regulations. If areas of soil contamination, unforeseen tanks, buried debris, or other materials are discovered, they should be delineated, remediated, and/or removed in accordance with all applicable regulations. Soil intended for off-site disposal should be tested in accordance with the requirements of the intended receiving facility, and transportation of material leaving the Property must be in accordance with federal, state and local requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc.

PRELIMINARY DRAFT

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FIGURES

Figure 1 – Subject Property Location
Figure 2 – Site Plan and Parcel Locations

APPENDICES

Appendix A – Photographic Documentation
Appendix B – Previous Environmental Reports
Appendix C – Historical Maps and Aerial Photographs
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1.0 INTRODUCTION

AKRF, Inc. (AKRF) was retained by Micron Idaho Semiconductor Manufacturing (Triton) LLC ("Micron" or User) to perform a Phase I Environmental Site Assessment (ESA) of the collection of mostly vacant parcels within the area generally bounded by Caughdenoy Road to the west, Burnet Road to the east, State Route 31 to the south, and vacant agricultural and forested land to the north in the Town of Clay, Onondaga County, New York (the "Subject Property"). The Subject Property consists of 33 parcels totaling approximately 804 acres. Historically, 24 parcels were used for residential purposes, seven parcels were vacant land in industrial areas, and two parcels were used for agriculture. The Subject Property is currently owned by the Onondaga County Industrial Development Agency (OCIDA), who is organizing sale and redevelopment as part of their mission for economic development, growth, and prosperity. Section 2.1 of this report includes a table describing each parcel associated with the Subject Property. Currently, 20 parcels were listed as residential, 12 parcels were listed as vacant, and one parcel was listed as public services containing a cellular telephone tower. The greater surrounding area primarily consists of rural residential and vacant properties to the north, east, and south of the Subject Property, and rural residential, vacant land, industrial, and municipal properties to the west of the Subject Property.

AKRF understands that the Subject Property encompasses a portion of the greater Micron redevelopment area, which extends east of Burnet Road and includes approximately 510 additional acres. AKRF was not provided access to parcels within the greater Micron redevelopment area beyond the Subject Property parcels described herein.

The scope of services for this assessment included the following:

- Visual observations of the Subject Property were made to identify potential sources or indications of chemical contamination. In addition, readily observable portions of the properties immediately adjacent to the Subject Property were viewed from public rights-of-way to identify or determine the likelihood of any of the aforementioned potential sources of contamination being present.
- A visual inspection of the Subject Property was conducted to identify and evaluate the condition of suspect asbestos-containing materials (ACMs) on-site. No samples of suspect materials were collected for analysis as part of this assessment. The Subject Property was also evaluated for the potential presence of lead-based paint, and the condition of painted surfaces was assessed. No samples were collected for analysis as part of this assessment.
- Historical topographical maps and aerial photographs for the Subject Property and adjacent properties were reviewed to evaluate previous land use. Published geological and groundwater information was obtained from available sources to determine the possibility of contamination from off-site sources.
- Federal regulatory databases that were reviewed to determine the regulatory status of the Subject Property, adjacent properties, and properties within a predetermined study area include, but were not limited to, the following: National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Resource Conservation and Recovery Act (RCRA) Information System; and RCRA Corrective Action Activity (CORRACTS).
- State regulatory databases that were reviewed to determine the regulatory status of the Subject Property, adjacent properties, and properties within a predetermined study area include, but were not limited to, the following: LTANKS (Leaking Storage Tanks); UST (Underground Storage Tanks); AST (Aboveground Storage Tanks); PBS TANKS (Petroleum Bulk Storage Tanks); NY SPILLS (Oil & Chemical Spills); and SPDES (State Pollutant Discharge Elimination System).
- Documents and materials from the Town of Clay and the Town of Cicero were requested to determine the local status of the subject property.

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2.0 PHYSICAL SITE DESCRIPTION

On April 14, 2023, Ms. Claire Bearden of AKRF performed a visual inspection of the Subject Property. At the time of the inspection, the weather was clear and approximately 75ºF, and the premises were well illuminated. The Subject Property was inspected for the presence of stained surfaces and soil, drums, transformers, and other evidence of hazardous material usage and storage on-site. The Subject Property inspection included an inventory of any active or inactive storage tanks, and an inventory of stored materials. A Subject Property location map is included as Figure 1. A Site Map showing the parcel layout and specific site features is included as Figure 2. Photographs documenting the Subject Property inspection are included in Appendix A.

2.1 Parcel Information

The following table includes a list of each parcel and associated parcel details that comprise the Subject Property. Refer to Figure 2 for specific parcel locations.

Table 2.1 – Subject Property Parcel Information

Parcel Reference ID	Address	Tax Parcel ID	Size (acres)	Historical Use	Current Use
1	8700 Caughdenoy Road	046.-02-01.0	25.29	Vacant	Vacant
2	Caughdenoy Road	046.-02-02.1	21.76	Vacant	Vacant
3	8676 Caughdenoy Road	046.-02-02.2	3.19	Residential	Residential
4	8632 Caughdenoy Road	046.-02-03.1	49.23	Vacant	Vacant
5	State Route 31	046.-02-04.0	18.38	Vacant	Vacant
6	5181 State Route 31	046.-02-05.1	3.33	Residential	Residential
7	5171 State Route 31	046.-02-05.2	37.28	Vacant	Vacant
8	8720 Caughdenoy Road	048.-01-01.0	98.99	Vacant	Vacant
9	Caughdenoy Road	048.-01-02.2	87.84	Agricultural	Vacant
10	8739 Burnet Road	048.-01-23.1	198.20	Residential	Residential
11	8751 Burnet Road	048.-01-23.3	0.92	Residential	Residential
12	8631 Burnet Road	049.-01-15.0	0.30	Residential	Residential
13	8635 Burnet Road	049.-01-16.0	0.30	Residential	Residential
14	8647 Burnet Road	049.-01-17.0	0.30	Residential	Residential
15	8653 Burnet Road	049.-01-18.4	43.68	Residential	Residential
16	8699 Burnet Road	049.-01-19.1	45.75	Residential	Residential

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Table 2.1 – Subject Property Parcel Information					
Parcel Reference ID	**Address**	**Tax Parcel ID**	**Size (acres)**	**Historical Use**	**Current Use**
17	8677 Burnet Road	049.-01-19.2	4.89	Residential	Residential
18	State Route 31	050.-01-01.0	9.49	Vacant	Public Services
19	5267 State Route 31	050.-01-02.1	65.19	Residential	Residential
20	State Route 31	050.-01-03.1	5.27	Agricultural	Vacant
21	8543 Burnet Road	050.-01-04.1	52.73	Residential	Residential
22	8531 Burnet Road	050.-01-04.2	0.46	Residential	Residential
23	8549 Burnet Road	050.-01-04.3	2.99	Residential	Residential
24	8617 Burnet Road	050.-01-04.4	2.39	Residential	Residential
25	8623 Burnet Road	050.-01-05.0	0.62	Residential	Residential
26	State Route 31	051.-01-10.1	2.29	Vacant	Vacant
27	8501 Burnet Road	051.-01-10.6	5.05	Residential	Residential
28	Burnet Road	051.-01-10.7	5.99	Vacant	Vacant
29	Burnet Road	051.-01-10.8	4.99	Vacant	Vacant
30	8447 Burnet Road	051.-01-10.9	5.49	Residential	Residential
31	8419 Burnet Road	051.-01-12.0	0.79	Residential	Residential
32	Caughdenoy Road	064.-01-06.3	0.62	Vacant	Vacant
33	5117 State Route 31	064.-01-08.0	0.56	Residential	Residential

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2.2 General Site Conditions

The Subject Property consists of 33 parcels totaling approximately 804 acres. The Subject Property is situated north of State Route 31, west of Burnet Road, and east of Caughdenoy Road in the Town of Clay, New York. The residential parcels within the Subject Property are not occupied; however, vacant residential structures are present. The residential structures were primarily inspected from the outside unless garage doors were left open allowing visual inspection of interior areas. Various small-quantity containers of household cleaners, chemicals, gas cans, miscellaneous building materials, and household debris were observed at several properties; however, no staining, odors, or signs of potential releases were observed.

The parcels listed as vacant in Table 2.1 above consisted of mostly overgrown grass, shrub, and tree-covered fields. No signs of stressed vegetation were observed. Although not observed during AKRF's inspection, historic agricultural practices may have involved the use of pesticides and/or

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herbicides. Small creeks and ponds were observed within portions of the parcels along Burnet Road. Overhead electrical power transmission lines bisect the northern portion of the Subject Property running east to west where they connect to Clay Substation, located across Caughdenoy Road to the west of the Subject Property.

2.3 Topography and Hydrogeology

Based on reports compiled by the United States Geological Survey (USGS) Brewerton and Cicero, NY Quadrangle maps, the Subject Property lies at an elevation of approximately 425 feet above mean sea level (AMSL) at the southern border, and gently slopes downward towards Youngs Creek at the northern border to approximately 375 feet AMSL. An unnamed tributary to Youngs Creek originates on the southern portion of the property and flows north where it connects with Youngs Creek just beyond the northern boundary of the study area. Youngs Creek is mapped to originate at multiple headwater locations on, and east of the eastern boundary of the study area, and converge to flow north through the additional Micron target properties east of the Subject Property. Based on topography, groundwater beneath the Subject Property likely flows to the north-northeast; however, actual groundwater flow at the site can be affected by many factors beyond the scope of this study.

2.4 Storage Tanks

Based on the age of the structures, rural location, and the former residential use, fuel oil was a popular choice for heating purposes. AKRF did not have access inside the remaining residential structures, but several residential parcels have been reported to contain fuel oil aboveground storage tanks (ASTs) located in basement areas. There is a potential for underground storage tanks (USTs) to be present at certain residences or adjacent barn/farming/storage structures.

2.5 Polychlorinated Biphenyls (PCBs)

Prior to 1979, PCBs were widely used for their cooling properties in electrical equipment such as transformers, capacitors, switches, voltage regulators, and hydraulic equipment. Based on the ages of the remaining vacant residential structures, fluorescent lights and lighting fixtures in the structures have the potential to include PCB- and/or mercury-containing components (including capacitors and potting compounds). Unless there was labeling or test data that indicates they are not mercury- and/or PCB-containing, disposal would be required in accordance with applicable federal, state, and local regulations and guidelines. In addition, pole-mounted transformers were observed along the overhead power lines along Burnet Road. No labeling indicating PCB content was observed on the transformers.

2.6 Lead-Based Paint

The use of lead-based paint was banned for residential use by the Consumer Products Safety Commission in 1977. The use of lead-based paint in commercial structures was severely restricted by the Consumer Products Safety Commission in 1977. Lead-based paint is potentially hazardous when in a deteriorating condition (i.e., chipped, broken, crumbling, pulverized). Lead is potentially harmful to humans, particularly children, if ingested, inhaled, or otherwise absorbed.

Based on the ages of the vacant residential structures remaining at the Subject Property, the structures could potentially contain lead-based paint. All future demolition or renovation activities with the potential to disturb lead-based paint should be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62—*Lead Exposure in Construction*).

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2.7 Utilities

Overhead power lines were observed along Burnet Road at the Subject Property. Based on the records AKRF has reviewed, the residential parcels are serviced by a combination of public electric, gas, and sanitary/sewer utilities and private utilities such as septic tanks and leach fields and fuel oil contained in storage tanks.

2.8 Waste Management and Chemical Handling

Waste management for the residential structures was likely handled through private accounts with local carting services. Since the residential properties were vacant, there were no known active or observed waste management, chemical handling, or trash services associated with the Subject Property.

2.9 Radon

Radon is a colorless, odorless gas produced by the radioactive decay of certain elements. The most common sources of radon are igneous and metamorphic rocks containing uranium (such as pitchblende), granite, shale, or phosphate, as well as soils or sediments derived from these parent materials. Radon may also be found in soils contaminated with certain industrial wastes (such as uranium or phosphate mine tailings) or in earth-derived building products which include industrial wastes that contain phosphate slag. In areas where the potential for radon accumulation is high, special ventilation systems may offset potential health hazards.

According to data compiled by the New York State Department of Health, Onondaga County has an average indoor radon measurement of 8.02 picocuries/liter based on radon testing of over 9,000 homes. The USEPA recommended action level is 4.0 picocuries/liter. Onondaga County is considered a High-Risk County for radon in New York State.

2.10 Contaminants of Emerging Concern

Emerging contaminants are chemicals that are not yet listed on the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) hazardous substances list, but may be regulated under state law or are under review for future federal regulation or inclusion on the CERCLA hazardous substance list. Per- and polyfluoroalkyl substances (PFAS) are a class of emerging contaminant chemicals found in fire-suppression foam, fire and stain retardants, water repellant materials, non-stick coatings, and many other materials (e.g., cosmetics and personal care products, etc.). PFAS repel water and oil and are resistant to heat and chemical reactions. Specific PFAS compounds including perfluorooctane sulfonate (PFOS), perfluorooctanoic acid (PFOA), and perfluorononanoic acid (PFNA) are not yet regulated by federal laws as hazardous substances under CERCLA. PFAS may discharge to the environment through releases during manufacturing, wastewater discharges from industrial and commercial processes involving PFAS-containing products, or the use of fire-suppression foam during an emergency response.

Current and historical uses of the Subject Property and adjoining/surrounding properties were reviewed to identify potential sources of PFAS at or around the Site. No potential PFAS sources were identified.

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3.0 ASBESTOS-CONTAINING MATERIALS (ACM)

Asbestos, a known human carcinogen, is a generic name assigned to a group of naturally occurring minerals exhibiting high tensile strength and possessing excellent fire resistance and insulating properties. These minerals include chrysotile, amosite, crocidolite, actinolite, tremolite, and anthophyllite. Asbestos is commonly found as a component of building materials, including: thermal system insulation (TSI), pipe insulation, spray-applied fireproofing, spray- or trowel-applied surfacing materials, vinyl asbestos floor tiles and sheeting, plaster, sheetrock/joint compound, ceiling tiles, fire door fill, roofing materials, thermal gaskets, mastics, caulks, and a range of other products.

Building materials containing greater than one percent asbestos are considered to be ACM. ACM are classified as friable or non-friable. Friable ACM are those which can be crumbled, pulverized, or reduced to powder when dry by hand or other mechanical pressure. Friable ACM, such as thermal system insulation and spray-applied fireproofing, are generally associated with a higher risk of releasing asbestos fibers than non-friable ACM, such as vinyl floor tiles and built-up roofing materials.

No obvious signs of ACM were observed at the remaining vacant residential structures at the Subject Property; however, ACM may be present in some building materials including roofing materials and drywall and associated joint compound. The observations made during the reconnaissance do not constitute and cannot substitute for an asbestos survey which is a comprehensive study with laboratory testing. Prior to implementing an activity which could disturb suspect ACM (e.g., renovation or demolition), a NYS-certified asbestos inspector must inspect the areas and conduct testing, as necessary, to determine whether the activity would disturb ACM. Any such ACM must be removed prior to the activity.

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4.0 ADJACENT LAND USE

The surrounding area consists of predominantly single-family residential properties, vacant/rural land, and former agricultural land. Uses beyond residential/agricultural included: fire protection equipment supplier and a utility substation to the west, a church, a farm equipment and mulch supplier, and a recreational park to the south, and various commercial properties along Brewerton Road to the east followed by Interstate 81. Two airfields are located in the vicinity of the Subject Property to the southeast and northwest.

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5.0 USER PROVIDED INFORMATION

The User of this Phase I report is a potential purchaser of the Subject Property and provided block and lot information for all parcels within the study area, and previous environmental reports for the Subject Property. The environmental reports are described in Section 6.0 and included in Appendix B.

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6.0 PREVIOUS ENVIRONMENTAL REPORTS

A previous environmental study was performed for the purposes of due diligence by Ramboll Americas Engineering Solutions, Inc. (Ramboll) in 2019-2021 for parcels encompassing the Subject Property and the greater Micron redevelopment area. The environmental study included a combination of Transaction Screen Assessments (TSAs) in conformance with the ASTM 2017 Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528-14e1) and Phase I ESAs in conformance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-13). A summary of relevant findings is provided below.

TSAs and Phase I ESAs

A summary of the TSA and Phase I ESA findings for the Subject Property parcels investigated is provided in Table 6.0 below.

Table 6.0 – TSA and Phase I ESA Findings

Parcel Reference ID	Address	Tax Parcel ID	Environmental Study Type	Findings
1	8700 Caughdenoy Road	046.-02-01.0	Not Investigated	N/A
2	Caughdenoy Road	046.-02-02.1	Not Investigated	N/A
3	8676 Caughdenoy Road	046.-02-02.2	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
4	8632 Caughdenoy Road	046.-02-03.1	Not Investigated	N/A
5	State Route 31	046.-02-04.0	Not Investigated	N/A
6	5181 State Route 31	046.-02-05.1	Not Investigated	N/A
7	5171 State Route 31	046.-02-05.2	Not Investigated	N/A
8	8720 Caughdenoy Road	048.-01-01.0	Not Investigated	N/A
9	Caughdenoy Road	048.-01-02.2	Not Investigated	N/A
10	8739 Burnet Road	048.-01-23.1	Phase I ESA	The assessment revealed no evidence of RECs in connection with the property.
11	8751 Burnet Road	048.-01-23.3	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
12	8631 Burnet Road	049.-01-15.0	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
13	8635 Burnet Road	049.-01-16.0	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
14	8647 Burnet Road	049.-01-17.0	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.

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Table 6.0 – TSA and Phase I ESA Findings				
Parcel Reference ID	**Address**	**Tax Parcel ID**	**Environmental Study Type**	**Findings**
15	8653 Burnet Road	049.-01-18.4	Phase I ESA combination with Parcel ID 19	Although no staining, discoloration or odors were observed in these areas, the presence of the abandoned tires (approximately 25-35), the partially buried debris totaling approximately 6,000 square feet (0.137 acres) for the subject property, discarded 55-gallon drums (approximately 10-20), drum remnants and two metal tanks.
16	8699 Burnet Road	049.-01-19.1	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
17	8677 Burnet Road	049.-01-19.2	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
18	State Route 31	050.-01-01.0	Not Investigated	N/A
19	5267 State Route 31	050.-01-02.1	Phase I ESA combination with Parcel ID 15	Although no staining, discoloration or odors were observed in these areas, the presence of the abandoned tires (approximately 25-35), the partially buried debris totaling approximately 6,000 square feet (0.137 acres) for the subject property, discarded 55-gallon drums (approximately 10-20), drum remnants and two metal tanks.
20	State Route 31	050.-01-03.1	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
21	8543 Burnet Road	050.-01-04.1	TSA	Discarded materials (including pallets, building materials, metal debris, abandoned farm equipment, old appliances, empty plastic pails, oil appliances, etc.) were observed in the wooded portion of the property. However, no visual evidence of spills or releases (e.g., stained soil) was observed. As such, this assessment has revealed no evidence of potential environmental concerns in connection with the property.
22	8531 Burnet Road	050.-01-04.2	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
23	8549 Burnet Road	050.-01-04.3	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
24	8617 Burnet Road	050.-01-04.4	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.

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Table 6.0 – TSA and Phase I ESA Findings				
Parcel Reference ID	**Address**	**Tax Parcel ID**	**Environmental Study Type**	**Findings**
25	8623 Burnet Road	050.-01-05.0	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
26	State Route 31	051.-01-10.1	Not Investigated	N/A
27	8501 Burnet Road	051.-01-10.6	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
28	Burnet Road	051.-01-10.7	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
29	Burnet Road	051.-01-10.8	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
30	8447 Burnet Road	051.-01-10.9	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
31	8419 Burnet Road	051.-01-12.0	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
32	Caughdenoy Road	064.-01-06.3	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
33	5117 State Route 31	064.-01-08.0	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.

The TSAs and Phase I ESAs conducted for the Subject Property parcels did not identify any significant environmental impacts at the Subject Property and no further investigation was recommended. Parcel IDs 15 and 19 were previously investigated as a single site with the findings of both parcels reported in one combined summary. Various miscellaneous debris piles were observed at some of the Subject Property parcels, but no evidence of a release to the environment was observed. The TSA and Phase I ESA reports for the parcels encompassing the Subject Property and the greater Micron redevelopment area are included in Appendix B. The EDR database reports (over 7,500 pages) used for screening each of the 33 properties were omitted from the report included in Appendix B to allow for concise review.

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7.0 SITE HISTORY AND RECORDS REVIEW

7.1 Prior Ownership and Usage

Historical aerial photographs and historical topographic maps were reviewed to determine site history and usage. Records were also requested from the Town of Clay Town Clerk and Town of Cicero Record Access Officer through a Freedom of Information Act (FOIL) request. At the time of this report, the Town of Clay and the Town of Cicero have not responded with any files related to the Subject Property. Should any files become available that would change the findings listed in this report, a report addendum will be provided with the new information.

7.1.1 Historical Aerial Photographs

Historical aerial photographs were reviewed for indications of industrial usage or other evidence suggesting the use or disposal of hazardous materials on or adjacent to the Subject Property. Specifically, aerial photographs from 1938, 1951, 1956, 1960, 1966, 1972, 1978, 1985-1986, 1995, 2006, 2008, 2011, 2015 and 2019 were reviewed.

Copies of the aerial photographs are included in Appendix C. Details of these photographs are discussed below:

1938

The Subject Property and greater surrounding area are predominantly rural residential and vacant land that appears to be primarily used for agricultural purposes due to varying, rectangular land cover types. State Route 31 to the south, Caughdenoy Road to the west, railroad tracks to the northwest, and Burnet Road to the east of the Subject Property appear to exist in their present-day locations. A few presumably residential structures are present along the perimeter of the Subject Property on Burnet Road, Caughdenoy Road, and State Route 31. Residential structures are also located off-site along a roadway approximately one mile east of the Subject Property (present-day Brewerton Road). The north-central portion of the Subject Property appears tree-covered. Small, localized streams and creeks appear mostly within the south-southwest portion of the Subject Property and off-site to the east of Burnet Road.

1951-1956

The Subject Property remained similar to the 1938 map. A few additional residential structures are present along Burnet Road, State Route 31, and Caughdenoy Road. Additional residential and potentially commercial structures appear along Brewerton Road to the east of the Subject Property. A larger creek appears to the north of the Subject Property.

1960

The Subject Property remained similar to the 1951-1956 maps. Interstate 81 appears to the east of Brewerton Road.

1966-1978

The Subject Property remained similar to the 1960 map with additional residential structures present along the perimeter of the Subject Property and along the roadways in the surrounding area. A linear section of land running east to west in the northern portion of the Subject Property appears to have been cleared and power lines constructed.

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1985-1986

The Subject Property remained similar to the 1966-1978 maps. A portion of a larger residential development can be seen to the south of State Route 31.

1995-2008

The Subject Property remained similar to the 1985-1986 map with additional tree-covered land appearing east adjacent and in the central portion of the Subject Property. Additional residential development construction can be seen to the south of State Route 31. Additional residential and commercial development can be seen to the east of the Subject Property along Brewerton Road.

2011-2019

The Subject Property remained similar to the 1995-2008 maps. Additional residential development construction can be seen to the south of State Route 31. Additional residential and commercial development can be seen to the east of the Subject Property along Brewerton Road.

Summary

The Subject Property and greater surrounding area were developed prior to 1938 with small, apparent residential structures, agricultural land, and roadways. Railroad tracks were depicted running northeast/southwest along the northwest perimeter of the Subject Property as early as 1938. Interstate 81 was constructed approximately one mile to the east of the Subject property between 1956-1960. As time progressed the greater surrounding area, particularly to the east and south saw increased residential and commercial development, while the Subject Property remained mostly rural residential primarily composed of vacant agricultural or tree-covered land with residences along Burnet Road, State Route 31, and Caughdenoy Road.

7.1.2 Historical USGS Topographic Maps

Historical topographic maps were reviewed for indications of land uses on and near the Subject Property. Specifically, USGS topographic maps (Syracuse, Brewerton, and Cicero Quadrangle), from 1895, 1898, 1940, 1943-1944, 1957, 1973, 1978, 2013, 2016, and 2019 were reviewed.

The USGS maps are included in Appendix C. Details of these maps are discussed below:

1895-1898: Syracuse Quadrangle – 15 minute

The eastern, southern, and western boundaries of the Subject Property were developed with unspecified structures, presumed to be residences. Unnamed roadways were depicted along the east, south and western boundaries of the Subject Property. A railroad identified as Syracuse and Rome Branch is depicted running northeast to southwest along the northwestern boundary of the Subject Property. The Subject Property is shown around 400 feet AMSL to the south with gentle sloping to around 395 feet AMSL towards a series of creeks shown to the north.

1940-1944: Brewerton and Cicero Quadrangles – 7.5 minute

The 1940 topographic map shows additional contouring details with the southern portion of the Subject Property depicted around 425 feet AMSL gently sloping to the north around 382 feet AMSL. Additional creeks and waterways are shown east adjacent and in

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the southeastern portion of the Subject Property. The roadways on the eastern, southern, and western perimeter of the Subject Property are labeled Cow Path Road (present-day Burnet Road), No. 31, and Caughdenoy Road, respectively. The railroad running northeast to southwest along the northwestern boundary of the Subject Property is labeled as New York Central Watertown. A structure labeled "School No. 17" is shown in the southeast corner of the Subject Property.

1957: Brewerton and Cicero Quadrangles – 7.5 minute

The Subject Property remained similar to the 1940-1944 maps. The former Cow Path Road along the eastern perimeter of the Subject Property has been renamed Burnet Road. Additional unnamed structures are shown along Burnet Road, State Route 31, and Caughdenoy Road and along the roadways in the surrounding area. Hayes Airfield is depicted approximately 0.75 miles to the east of the Subject Property. Interstate 81 is shown approximately 1 mile east of the Subject Property.

1973-1978: Brewerton and Cicero Quadrangles – 7.5 minute

The topographic gradient of the Subject Property remained relatively similar to the 1957 map. Small, isolated areas of ponded water are shown in the central and southern portions of the Subject Property. Power transmission lines are shown running east to west through the northern portion of the Subject Property, and running north to south to the west of the Subject Property where they intersect at a substation shown to the west of the Subject Property. A radio tower is depicted to the north of the substation. Hayes Airfield to the east of the Subject Property has been renamed Michael Field.

2013-2019: Brewerton and Cicero Quadrangles – 7.5 minute

The Subject Property remained similar to the 1973-1978 maps. Additional roadways are depicted to the south of the Subject Property. Airline Enterprises Airport is shown to the northwest of the Subject Property. Details regarding development in the surrounding area, including the power transmission lines, substation, Hayes Airfield/Michael Field and individual structures are not shown on these maps.

Summary

Topography of the Subject Property has remained approximately 380-425 feet AMSL throughout its history. The greater surrounding area has remained generally consistent from 400-425 feet AMSL south of the Subject Property to a low point of 375 feet AMSL around Youngs Creek to the north.

The Subject Property and surrounding area were developed prior to 1895, with additional structures and roadways constructed over time. Labeled features in the greater surrounding area historically consisted of educational institutions, railroad lines, airfields, power transmission lines, a substation, and Interstate 81.

7.1.3 Property Tax Files and Zoning Records

AKRF completed the FOIL requests for environmental records from the Town of Clay Town Clerk and the Town of Cicero Records Access Officer. At the time of this report, the Town of Clay and the Town of Cicero have not responded with any files related to the Subject Property. Should any files become available that would change the findings listed in this report, a report addendum will be provided with the new information.

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7.2 Regulatory Review

EDR was contracted to obtain information regarding the regulatory status of the Subject Property and the surrounding area. This information included records from databases maintained by the USEPA and CTDEEP [formerly the Connecticut Department of Environmental Protection (CTDEP)]. AKRF reviewed these records to identify the use, generation, storage, treatment, and/or disposal of hazardous material and chemicals, or releases of such materials, which may impact the Subject Property. All applicable regulatory databases meet ASTM guidelines requesting utilization of information within 90 days' receipt from the appropriate agency. Copies of the pertinent sections of the EDR report are included in Appendix D.

7.2.1 Federal

Federal ASTM standard records reviewed included: the National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Comprehensive Environmental Response, Compensation, and Liability Information System-No Further Remedial Action Planned (CERCLIS-NFRAP); CORRACTS (Corrective Actions Report); RCRIS (Resource Conservation and Recovery Information System); and Emergency Response Notification System (ERNS).

Federal ASTM supplemental records reviewed included: CONSENT (Superfund Consent Decrees); Records of Decision (ROD); and Delisted NPL (National priority List Deletions).

National Priority List (NPL)

The NPL is the USEPA's database of some of the most serious uncontrolled or abandoned hazardous waste sites identified for probable remedial action under the Superfund Program. These sites may constitute an immediate threat to human health and the environment. Due to the amount of public attention focused on NPL sites, they pose a significant risk of stigmatizing surrounding properties and potentially impacting property values.

The Subject Property was not listed in the NPL database, and no NPL sites were identified within a one-mile radius of the Subject Property.

Delisted NPL (National Priority List Deletions)

This database describes former NPL sites that have been removed from the NPL list by the USEPA. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) established the criteria used by the USEPA to delist sites where no further federal response is needed.

The Subject Property was not listed in the delisted NPL database, and no delisted NPL sites were identified within a one-mile radius of the Subject Property.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

CERCLIS is a compilation of known or suspected, uncontrolled, or abandoned hazardous waste sites which the USEPA has investigated, or plans to investigate, for a release, or threatened release, of hazardous substances pursuant to the Superfund Act of 1980 (CERCLA). Some of these sites may constitute a potential threat to human health and the environment. While it has been determined by the USEPA that some CERCLIS sites

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require no action, others could pose a real or perceived environmental threat to neighboring properties, thus affecting property values.

The Subject Property was not listed in the CERCLIS database, and no CERCLIS sites were identified within a half-mile radius of the Subject Property.

Comprehensive Environmental Response, Compensation, and Liability Information System-No Further Remedial Action Planned (CERCLIS-NFRAP)

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" have been removed from CERCLIS. NFRAP sites may be sites where, following an investigation, no contamination was discovered, contamination was removed quickly without the need for the site to be place on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.

The Subject Property was not listed in the CERCLIS-NFRAP database, and no CERCLIS-NFRAP sites were identified within a half-mile radius of the Subject Property.

Corrective Actions Report (CORRACTS)

The CORRACTS database identifies hazardous waste handlers with RCRA corrective action activity.

The Subject Property was not listed in the CORRACTS database, and no CORRACTS sites were identified within a half-mile radius of the Subject Property.

Resource Conservation and Recovery Information System (RCRIS)

The RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste defined by RCRA.

The Subject Property was not listed in any of the RCRA databases.

Two RCRA sites [NonGen/NLR, and Large Quantity Generator (LQG)] were identified within a ¼-mile radius of the Subject Property. The National Grid Clay Substation, located adjacent to the northwest corner of the Subject Property, was listed as a LQG in 2007 and 2009 for generating 2 tons of metal waste impacted with lead. Other hazardous waste codes indicate ignitable waste and mercury with no other information provided. Cicero Wood Recovery, located one mile east of the Subject Property, and 1,000 feet southeast of the greater Micron target property, is listed as not a generator in the RCRA database for 1999, 2006, and 2007 and was listed as a small quantity generator (SQG) in 1996 with waste codes for ignitable waste and benzene. Due to the location and listed information, waste handling information, and anticipated groundwater flow direction, these sites are not expected to have affected the Subject Property.

Emergency Response Notification System (ERNS)

This federal database, compiled by the Emergency Response Notification System, records and stores information on reported releases of petroleum and other potentially hazardous substances.

The Subject Property was not listed in the ERNS database.

Toxic Chemical Release Inventory System (TRIS)

This federal database, compiled by the USEPA, identifies facilities that release chemicals to the air, water, and land in reportable quantities.

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The Subject Property was not listed in the TRIS database.

CONSENT (Superfund Consent Decrees)

Superfund consent decrees are major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. These decrees are periodically released by the United States District Courts after settlement by parties to litigation matters.

The Subject Property was not listed in the CONSENT database, and no CONSENT sites were identified within a one-mile radius of the Subject Property.

ROD (Records of Decision)

ROD documents mandate permanent remedies at NPL sites and contain technical and health information to aid in the cleanup.

The Subject Property was not listed in the ROD database, and no ROD sites were identified within a one-mile radius of the Subject Property.

US Brownfields

The US Brownfields program is for properties that clean up and report to the USEPA and are served by Brownfields grant programs.

The Subject Property was not listed in the US Brownfields database, and no US Brownfields sites were identified within a half-mile radius of the Subject Property

7.2.2 State

State of New York records reviewed included: LTANKS (Leaking Storage Tanks); UST (Underground Storage Tanks); AST (Aboveground Storage Tanks); PBS TANKS (Petroleum Bulk Storage Tanks); NY SPILLS (Oil & Chemical Spills); and SPDES (State Pollutant Discharge Elimination System).

LTANKS (Leaking Storage Tanks)

LTANKS records contain an inventory of reported leaking storage tank incidents. The Subject Property was not listed in the LTANKS database.

Four LTANKS listings were reported within a half-mile radius of the Subject Property. Based on the proximity to the Subject Property and anticipated groundwater flow direction, two of the sites listed could have historically affected groundwater beneath the Subject Property. Details included the following:

- North Town SPS, located southwest adjacent to the Subject Property on Caughdenoy Road, is listed for a diesel fuel spill on January 22, 1991, related to an emergency generator (spill ID 9011508/1991-02-15). Details regarding the spill indicated a small hole was observed in the tank. Some contaminated soil was staged onsite, and the tank was hauled offsite for cleaning. It was reported that 5 gallons of diesel fuel was released, and 3 gallons of fuel were recovered. Cleanup activities ceased on February 15, 1991.
- Franscotti Property, described as a private dwelling located at 5001 Route 31 and south-adjacent to the Subject Property, is listed for a spill of #2 fuel oil on January 3, 1994, related to a heating oil tank in the basement of the property (spill ID 9311741/1995-02-09). Details regarding the quantity of fuel oil released and

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associated cleanup were not provided; however, the listing indicates cleanup activities ceased on January 4, 1994.

UST (Underground Storage Tanks)

The Subject Property was not listed in the UST database.

One UST listing was reported within a ¼-mile (northwest-adjacent) of the Subject Property located at Clay Substation on Caughdenoy Road. The UST was listed as Unregulated/Closed, with an installation date of December 1, 1982, and closed in place on March 31, 2002. No details regarding tank size or contents were reported. No reports of a UST release were included in the listing. It is not anticipated that the Subject Property has been impacted by the presence of this UST.

AST (Aboveground Storage Tanks)

The Subject Property was not listed in the AST database.

Two AST listings were reported within a ¼-mile of the Subject Property located along Caughdenoy Road at the Clay Substation (northwest-adjacent) and Jerome Fire Equipment Company, Inc (west adjacent).

The AST listed for Clay Substation was described as a steel/carbon steel/iron aboveground tank on saddles, legs, racks, etc. The tank was installed on December 1, 1982, and closed and removed on March 31, 2002. No additional details regarding tank size, contents, or releases were reported. Since no releases have been associated with this AST, it is not anticipated that the Subject Property has been impacted by the presence of this AST.

ASTs listed for Jerome Fire Equipment Company include two waste oil tanks that were closed and removed and one active/in-service waste oil tank. A 250-gallon steel/carbon steel/iron waste oil AST installed on March 1, 2002, was closed and removed on March 11, 2022. A 500-gallon steel/carbon steel/iron waste oil AST installed on June 5, 2010, was closed and removed on March 11, 2022. An existing 500-gallon steel/carbon steel/iron waste oil AST was installed on March 11, 2022, and was reported to be in service. Based on the equipment records listed for these tanks, aboveground diking was used as secondary containment for the tanks and associated piping, but the tanks did not contain spill prevention or leak detection. There were no records for releases associated with these ASTs, but due to listing details and localized topography, any unreported spills associated with these ASTs are not anticipated to impact the Subject Property.

TANKS (Petroleum Bulk Storage Tanks)

The Subject Property was not listed in the TANKS database.

One TANKS listing was reported within a ¼-quarter mile of the Subject Property located at Clay Substation on Caughdenoy Road. The site status was listed as active within the petroleum bulk storage (PBS) program with an expiration date of April 9, 2024. No additional details were provided.

NY SPILLS (New York State Oil & Chemical Spills)

Four listings in the NY SPILLS database were identified as being associated with the Subject Property. The incident details included:

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- A spill of two quarts of hydraulic oil was reported at the turnaround access/parking lot for right-of-way at 8751 Burnet Road on September 15, 2020. National Grid is listed as the responsible party. It was reported that National Response Corporation (NRC) was hired for the cleanup, and the final report was received September 24, 2020. No additional details were provided.
- A spill of hydraulic oil of unknown quantity was reported at Route 31 and Caughdenoy Road due to a hydraulic leak in a town truck on November 4, 2002. No other details are provided. It was noted that the spill occurred on the road in the public right-of-way outside of the Subject Property boundary.
- Contaminated soil and a petroleum odor were reported as being encountered while augering for a foundation. This listing location was reported as Route 31 and Caughdenoy Road, and that the soil was to be stockpiled with further soil testing. No other details were provided in the listing.
- A spill of 100 gallons of diesel fuel was reported at Route 31 between Grange Road and Caughdenoy Road from a tractor trailer on January 27, 1993. Ninety gallons of fuel was recovered and cleaned up the same day. No other details were provided. It was noted that the spill occurred on the road in the public right-of-way outside of the Subject Property boundary.
- A spill of four gallons of hydraulic oil was reported at Route 31 and Burnet Road due to a hydraulic line failure on a vehicle on September 29, 2000. It was reported that all the spilled material was recovered. No other details were provided. It was noted that the spill occurred on the road in the public right-of-way outside of the Subject Property boundary.

In addition, one listing is reported at 8765 Brewerton Road, which is located outside of the Subject Property boundaries but within the greater Micron redevelopment area. The incident details included:

- A spill of one gallon of diesel fuel was found at two locations at 8765 Brewerton Road from a National Grid vehicle on May 19, 2020. NRC was hired to perform the cleanup. No other details were provided.

Eight additional listings were reported within ¼-mile of the Subject Property. Several listings were attributed to hydraulic and transformer oil spills at the Clay Substation located across Caughdenoy Road to the west of the Subject Property. Of these, one listing was reported to have released one gallon of PCB-containing transformer oil in 1993. Most of the spills were minor and localized and are not anticipated to have affected the Subject Property. There is a potential for residual petroleum contaminated soil and/or groundwater to be present at locations along the western (Caughdenoy Road) and southern (Route 31) boundaries of the Subject Property.

SPDES (State Pollutant discharge Elimination System)

The Subject Property was identified in the SPDES database under two listings as "115KV Clay-Dewitt and Clay-Teal Rebuild" under permit number NYR11F199 and "Volney-Clay Line" under permit number NYR11E437, presumably related to the transmission lines along the northern portion of the Subject Property. No other information was provided.

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7.2.3 Local

AKRF completed FOIL requests for environmental related files from the Town of Clay Town Clerk and the Town of Cicero Records Access Officer. At the time of this report, the Town of Clay and the Town of Cicero have not responded with any files related to the Subject Property. Should any files become available that would change the findings listed in this report, a report addendum will be provided with the new information.

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8.0 INTERVIEWS

8.1 Interview with Owner

The owners were unavailable for interview.

8.2 Interview with Site Manager

An Environmental Site Assessment Questionnaire was submitted to Mr. Robert Petrovich, Executive Director of the owner, OCIDA. A copy of the Questionnaire is included in Appendix E. Mr. Petrovich provided the following pertinent information:

- The property consists primarily of single-family residential properties, vacant/rural land, and former agricultural land, one commercial with one public services parcel (cell tower), one commercial parcel (car dealership), and one community services parcel (religious/church).
- Mr. Petrovich had no knowledge of any existing contamination at the Subject Property.
- Mr. Petrovich knew of no threatened, pending, or current litigation associated with the Subject Property.
- Mr. Petrovich knew of no environmental liens, notifications, or violations associated with the Subject Property.

8.3 Interview with Occupants

Most Subject Property parcels are vacant. Access was not provided for parcels with current occupants.

8.4 Interview with Local Government Officials

AKRF completed FOIL requests for environmental related files from the Town of Clay Town Clerk and the Town of Cicero Records Access Officer. At the time of this report, the Town of Clay and the Town of Cicero have not responded with any files related to the Subject Property. Should any files become available that would change the findings listed in this report, a report addendum will be provided with the new information.

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9.0 LIMITATIONS

This assessment met the requirements of the ASTM as established by ASTM Standard E1527-21. The following limitations should be noted:

- Results of this investigation are valid as of the dates on which the investigation was performed.
- No sampling was performed as part of this assessment.
- The property area history review was not conducted in five-year intervals. However, sufficient information about the history of the Subject Property and surrounding area could be obtained from the available historical fire insurance maps, aerial photographs, city directories, and local records, and this data gap is not likely to alter the conclusions of this report.
- The current and former tenants of the Subject Property were not available to be interviewed.

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10.0 DEVIATIONS

The User did not request any deviations from the ASTM Standard.

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11.0 DATA GAPS

Section 3.3.20 of ASTM Standard E1527-21 defines a data gap as the inability to obtain information required by the ASTM Standard despite good faith efforts to obtain applicable data. Data gaps may result from incompleteness in any of the activities required by the ASTM Standard. While limitations to this report are described in Section 9.0, there were no data gaps identified where the absence of information would materially change the findings of the assessment.

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12.0 CONCLUSIONS

AKRF, Inc. (AKRF) was retained by Micron Idaho Semiconductor Manufacturing (Triton) LLC ("Micron") to perform a Phase I Environmental Site Assessment (ESA) of the collection of mostly vacant parcels within the area generally bounded by Caughdenoy Road to the west, Burnet Road to the east, State Route 31 to the south, and vacant agricultural and forested land to the north in the Town of Clay, Onondaga County, New York (the "Subject Property"). The Subject Property consists of 33 parcels totaling approximately 804 acres. Historically, 24 parcels were used for residential purposes, seven parcels were vacant land in industrial areas, and two parcels were used for agriculture. Currently, 20 parcels were listed as residential, 12 parcels were listed as vacant, and one parcel was listed as public services containing a cellular telephone tower. The greater surrounding area primarily consists of rural residential and vacant properties to the north, east, and south of the Subject Property, and rural residential, vacant land, industrial, and municipal properties to the west of the Subject Property.

AKRF understands that the Subject Property encompasses a portion of the greater Micron redevelopment area, which extends approximately 510 acres to the east of Burnet Road. AKRF was not provided access to parcels within the greater Micron redevelopment area beyond the Subject Property parcels described herein.

The objective of this assessment was to identify any potential environmental concerns associated with the Subject Property resulting from past or current usage of the Subject Property or neighboring sites. This Phase I ESA was performed in conformance with both American Society for Testing and Materials (ASTM) Standard E1527-21, *Standard Practice for Phase I Environmental Site Assessments*. Any exceptions to, or deletions from, this practice are described in Sections 9.0, 10.0, and 11.0 of this report.

The term Recognized Environmental Condition (REC) means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any 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. The term Historical Recognized Environmental Condition (HREC) means a past release that has been remediated to below "residential" standards and given regulatory closure with no use restrictions. There are also definitions for Controlled REC (CREC), which indicates that there is known contamination that is being managed by use restriction or mitigation controls, and De Minimis Condition. A De Minimis Condition is defined as an environmental concern that is not a threat to human health or the environment and would not be subject to enforcement action.

This assessment did not reveal any RECs, HRECs, or CRECs at the Subject Property. A summary of the assessment findings is presented below:

De Minimis Conditions

- Various small quantity containers of household-type cleaners, chemicals, gas cans, paint containers, miscellaneous building materials (i.e., roofing materials, wood, concrete blocks), and debris were observed in piles at several properties.
- Historic agricultural practices may have involved the application of pesticides and/or herbicides.
- Historical reports have documented the presence of fuel oil aboveground storage tanks (ASTs) at some residences within the Subject Property, and the potential for unknown underground storage tanks (USTs) exists. NYSDEC Spills include incident reports with inconclusive or an absence of closure data where a potential exists to encounter petroleum contaminated soil in the subsurface during earthwork.

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Other Environmental Observations

- According to data compiled by the New York State Department of Health, Onondaga County has an average indoor radon measurement of 8.02 picocuries/liter based on radon testing of over 9,000 homes. The USEPA recommended action level is 4.0 picocuries/liter. Onondaga County is considered a High-Risk County for radon in New York State.
- No obvious signs of ACM were observed at the remaining vacant residential structures at the Subject Property; however, ACM may be present in some building materials including roofing materials and drywall and associated joint compound. Prior to implementing an activity that could disturb suspect ACM (e.g., renovation or demolition), a NYS-certified asbestos inspector should inspect the areas and conduct testing, as necessary, to determine whether the activity would disturb ACM. Any such ACM must be removed prior to the activity.
- Based on the ages of the vacant residential structures remaining at the Subject Property, the structures could potentially contain lead-based paint.

Recommendations

- For future development plans that include earthwork on the Property, appropriate measures should be conducted to ascertain environmental conditions in the areas where soil disturbance is anticipated. The investigation should evaluate whether pesticides and/or herbicides exist as a result of past agricultural use, soil quality in areas surrounding petroleum storage or debris piles, and for general soil characterization/handling during construction.
- If petroleum tanks are encountered during any excavation completed for future construction, they should be closed and removed, along with any contaminated soil, in accordance with applicable requirements. Any evidence of a petroleum spill should be reported to NYSDEC and addressed in accordance with applicable requirements. If tanks are discovered, they should be properly registered, if required, with the NYSDEC.
- A pre-renovation or pre-demolition ACM survey should be performed prior to any disturbance of suspect ACM, and any ACM with the potential to be disturbed during any renovation or demolition activities, should be removed and disposed of in accordance with local, state and federal requirements. ACM should be maintained in good condition in accordance with applicable regulations.
- All future demolition or renovation activities with the potential to disturb lead-based paint should be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62—*Lead Exposure in Construction*).
- Radon levels should be tested in accordance with applicable regulations to determine whether mitigation is warranted for any future on-site development.
- Soil excavated as part of any proposed development activities should be managed in accordance with all applicable regulations. If areas of soil contamination, unforeseen tanks, buried debris, or other materials are discovered, they should be delineated, remediated, and/or removed in accordance with all applicable regulations. Soil intended for off-site disposal should be tested in accordance with the requirements of the intended receiving facility, and transportation of material leaving the Property must be in accordance with federal, state and local requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc.

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13.0 SIGNATURE PAGE

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

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 performed all the appropriate inquiries in conformance with standards and practices set forth in 40 CFR Part 312.

Marc S. Godick, LEP
Senior Vice President

Bryan Zieroff, CPG, LEP
Senior Technical Director

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14.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the Subject Property, and to identify existing and/or potential environmental problems associated with the Subject Property.

The assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in accordance with ASTM Standard E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice.* It is intended for use as a supplement to the project site appraisal and is only to be used as a guide in determining the possible presence or absence of hazardous materials on the Subject Property at the time of the inspection. This assessment is based upon the review of readily available records relating to previous use of both the project site and the surrounding area, as well as a visual inspection of the current condition of the project site. Environmental characteristics at this site and surrounding sites may be subject to change in the future.

This Phase I Assessment is not, and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances, which can be made only with testing, and contains no formal plans or recommendations to rectify or remediate the presence of any hazardous substances which may be subject to regulatory approval. This report is not a regulatory compliance audit.

This report is based on services performed by AKRF, Inc. professional staff and observation of the project site and its surrounding area. We represent that observations made in this assessment are accurate to the best of our knowledge, and that no findings or observations concerning the potential presence of hazardous substances have been withheld or amended. The research and inspections have been carried to a level that meets accepted industry and professional standards. Nevertheless, AKRF and the undersigned shall have no liability or obligation to any party other than Micron Idaho Semiconductor Manufacturing (Triton) LLC and their successors or assignees, and AKRF's obligations and liabilities to the above, their successors or assignees is limited to fraudulent statements made, or negligent or willful acts or omissions.

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15.0 REFERENCES

1. Environmental Data Resources, Inc.; 6 Armstrong Road, Shelton, Connecticut; Area / Corridor Report; April 11, 2023.
2. Environmental Data Resources, Inc.; 6 Armstrong Road, Shelton, Connecticut; DataMap Well Search Report; April 11, 2023.
3. Environmental Data Resources, Inc.; 6 Armstrong Road, Shelton, Connecticut; Historical Topographic Map Report; April 11, 2023.
4. Environmental Data Resources, Inc.; 6 Armstrong Road, Shelton, Connecticut; Aerial Photograph Report; April 13, 2023.
5. Ramboll Americas Engineering Solutions, Inc., Combined Transaction Screen Assessments and Phase I Environmental Site Assessments, 2019-2021.

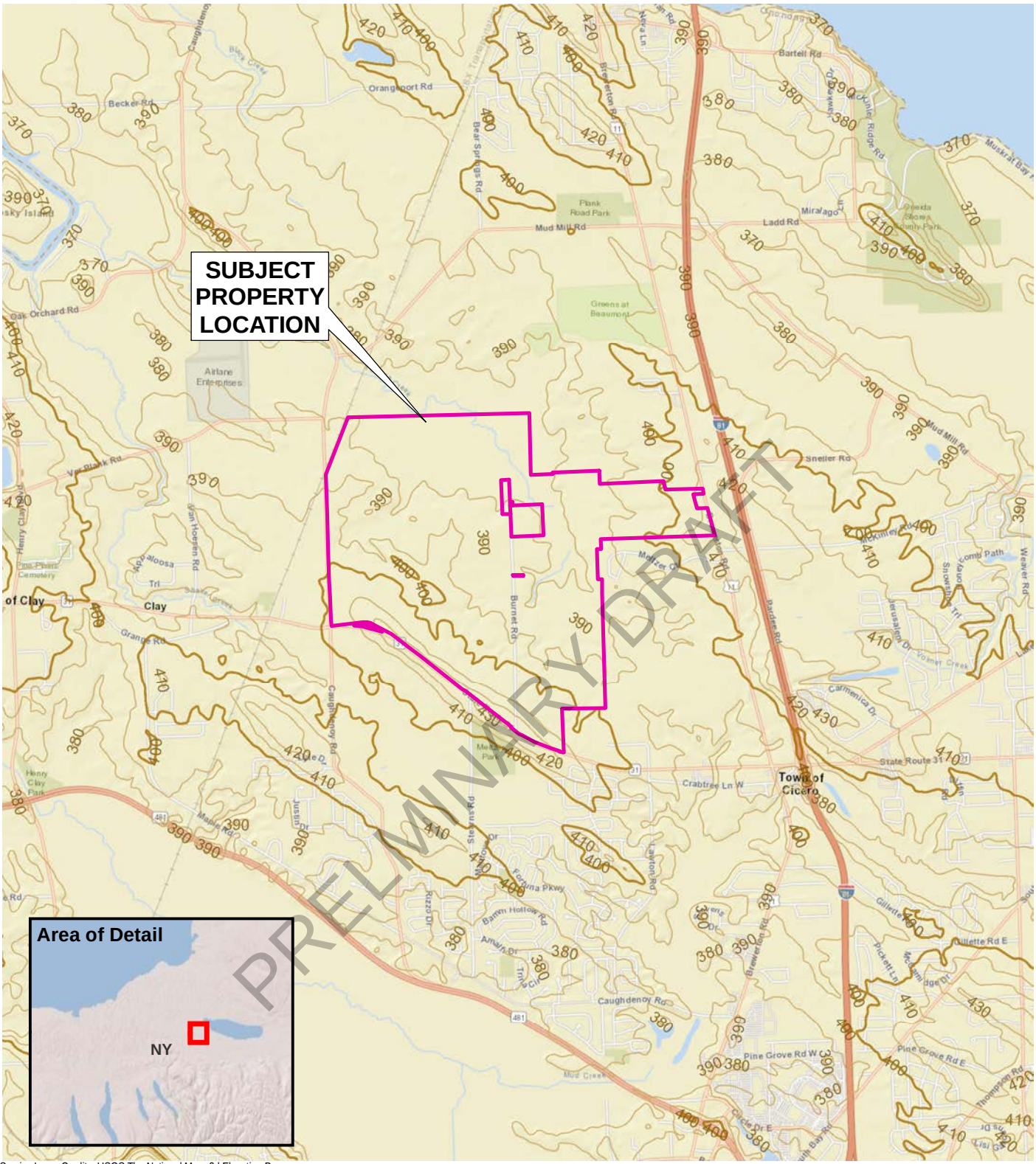
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FIGURES

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©2023 AKRF Q:\Projects\220350 - MICRON - CLAY FAB FACILITY\Technical\GIS and Graphics\SAR\220350 Fig 1 Subject Property Location.mxd 6/1/2023 7:22:48 AM mvelleux

AKRF

440 Park Avenue South, New York, NY 10016

Micron Clay Fab Facility
Clay, New York

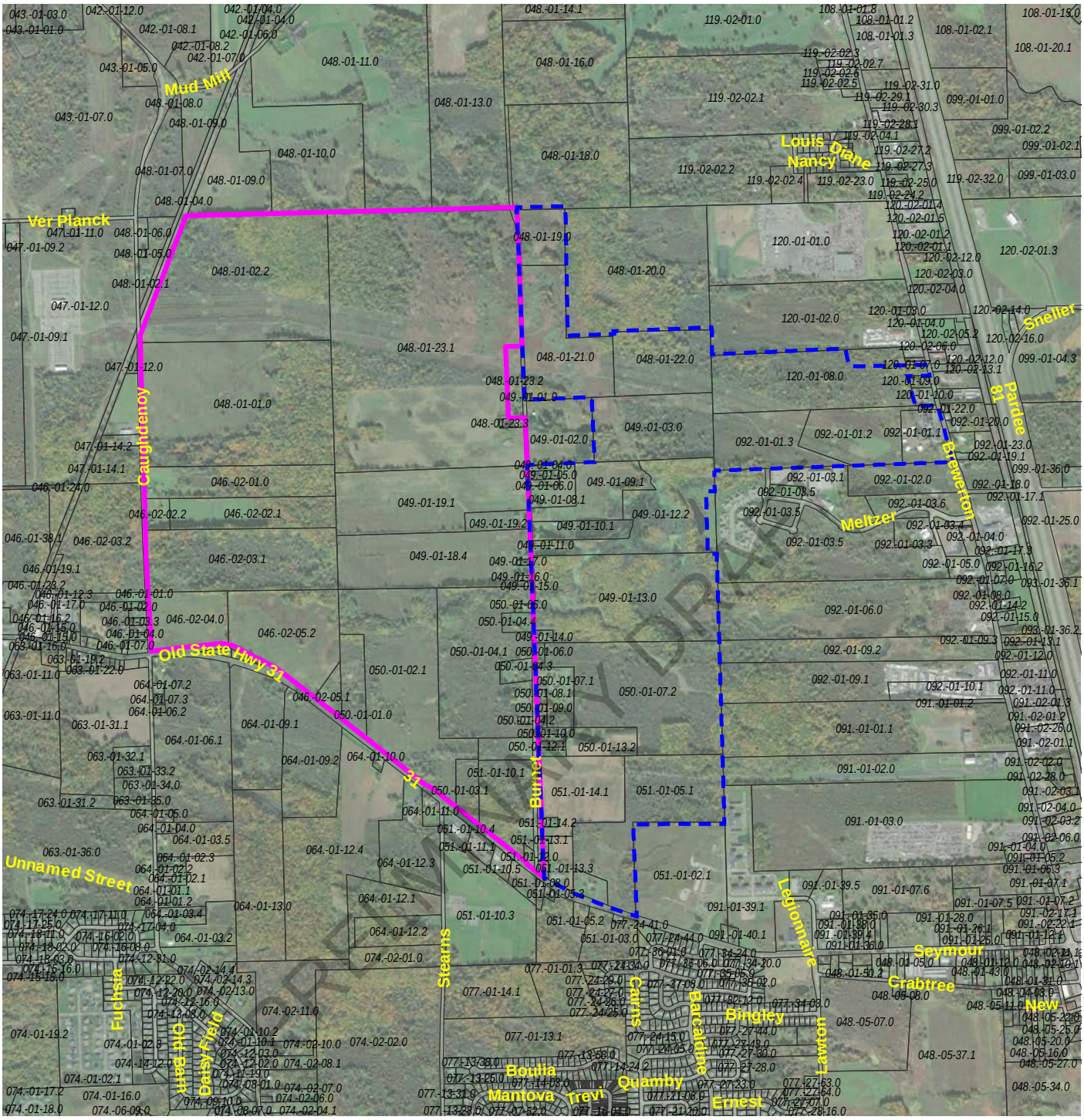
SUBJECT PROPERTY LOCATION

DATE
6/1/2023

PROJECT NO.
220350

FIGURE
1

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LEGEND

- SUBJECT PROPERTY
- GREATER MICRON REDEVELOPMENT AREA
- 049.-01-19.1 TAX PARCEL AND PRINTKEY

Map Source:
Onondaga County Water Authority.

Aerial Source:
2023 ESRI Orthoimagery

0 2,000 4,000
SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

Micron Clay Fab Facility
Clay, New York

SITE PLAN AND PARCEL LOCATIONS

DATE
6/1/2023

PROJECT NO.
220350

FIGURE
2

©2023 AKRF Q:\Projects\220350 - MICRON - CLAY FAB FACILITY\Technical\GIS and Graphics\SAR\220350 Fig 2 Site Plan and Parcel Locations.mxd6/1/2023 10:35:41 AM mvelleux

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October 13, 2023

Carson Henry
US Expansion SPMO Sr. Director
Micron Technology, Inc.
8000 South Federal Way
Boise, Idaho 83716

Re: Phase I Environmental Site Assessment
Micron Clay Fab Facility, Clay, NY
AKRF Project Number 220350

PRELIMINARY DRAFT

Dear Mr. Henry:

AKRF, Inc. (AKRF) is pleased to submit this Phase I Environmental Site Assessment Report for the above-referenced Subject Property. This report includes the findings of a reconnaissance of the Subject Property, and an evaluation of readily available historical information and selected environmental databases and electronic records. The report meets the requirements of ASTM Standard E1527-21, unless noted otherwise in Section 10.0, "Limitations," Section 11.0, "Deviations," or Section 12.0 "Data Gaps."

We appreciate the opportunity to provide you with our services. If you should have any questions, please do not hesitate to contact us.

Sincerely,
AKRF, Inc.

Marc S. Godick, LEP
Senior Vice President

Bryan Zieroff, CPG, LEP
Senior Technical Director

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MICRON CLAY FAB FACILIY
CLAY, NEW YORK

Phase I Environmental Site Assessment

AKRF Project Number: 220350

Privileged and Confidential

PRELIMINARY DRAFT

Prepared for:

Micron Technology, Inc.
8000 South Federal Way
Boise, Idaho 83716

Prepared by:

AKRF, Inc.
34 South Broadway, Suite 300
White Plains, NY 10601
914-949-7336

OCTOBER 2023

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INFORMATION OF MICRON TECHNOLOGY, INC.

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EXECUTIVE SUMMARY

AKRF, Inc. (AKRF) was retained by Micron Idaho Semiconductor Manufacturing (Triton) LLC ("Micron" or User) to perform a Phase I Environmental Site Assessment (ESA) of the collection of mostly vacant parcels within the area generally bounded by Burnet Road to the west, Brewerton Road to the east, State Route 31 to the south, and vacant agricultural and forested land to the north in the Town of Clay, Onondaga County, New York (the "Micron Campus"). The Phase I ESA also included two parcels on Caughdenoy Road – an approximately 30-acre parcel referred to as the proposed childcare site and an approximately 37-acre parcel referred to as the proposed utility infrastructure/rail spur site. The described collection of properties are herein referred to as "the Subject Property."

AKRF understands that the Subject Property encompasses a portion of the greater Micron redevelopment area, which extends west of Burnet Road and includes approximately 800 additional acres. AKRF previously conducted a Phase I ESA for these additional parcels in June 2023.

The Subject Property consisted of 42 parcels totaling approximately 680 acres. Historically, 24 parcels were used for residential purposes, 14 parcels were vacant land, three parcels were used for agriculture, and one parcel was used for commercial purposes. The Subject Property includes parcels that are currently owned by or are under contract to be purchased by Micron. Section 2.1 of this report includes a table describing each parcel associated with the Subject Property. Currently, 23 parcels were listed as residential, 17 parcels were listed as vacant, and one parcel was listed as commercial containing a modular home dealer. The eastern portion of the Micron Campus includes two "fingers" that extend to Brewerton Road (US Route 11) and are intended to serve as a means of access. They are referred to herein as the "north finger" and "south finger". The greater surrounding area primarily consists of rural residential and vacant properties to the north and south, rural residential, vacant land, industrial, and municipal properties to the west, and rural residential, vacant land, and commercial properties to the east of the Subject Property.

In addition to the Phase I ESA of the Subject Property, this report includes an assessment of proposed utility corridors. A proposed natural gas line route and a proposed industrial wastewater force main route, which are located west of the greater Micron development area, included a database review and limited site reconnaissance by utilizing sight lines of the utility routes from public roadways. A database review (no site inspection) of a third utility corridor, which included the existing 22-mile Central New York Water Authority (OCWA) 54-inch transmission line running from the Subject Property to Lake Ontario, was also included as part of this assessment.

The objective of this assessment was to identify any potential environmental concerns associated with the Subject Property resulting from past or current usage of the Subject Property or neighboring sites. This Phase I ESA for the Subject Property was performed in conformance with both American Society for Testing and Materials (ASTM) Standard E1527-21, *Standard Practice for Phase I Environmental Site Assessments*. Any exceptions to, or deletions from, this practice are described in Sections 10.0, 11.0, and 12.0 of this report.

The term Recognized Environmental Condition (REC) means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any 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. The term Historical Recognized Environmental Condition (HREC) means a past release that has been remediated to below "residential" standards and given regulatory closure with no use restrictions. There are also definitions for Controlled REC (CREC), which indicates that there is known contamination that is being managed by use restriction or mitigation controls, and De Minimis Condition. A De Minimis Condition is defined as an

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environmental concern that is not a threat to human health or the environment and would not be subject to enforcement action.

This assessment did not reveal any HRECs or CRECs at the Subject Property. A summary of the assessment findings is presented below:

Recognized Environmental Conditions – Subject Property

- The documented and/or potential underground storage tanks (USTs) at Parcel 21, 26, and 27 is considered a REC due to the lack of operation and closure data, and the unknown status regarding a release of heating oil to the subsurface.

Recognized Environmental Conditions – Utility Corridors

- The City of Clay DPW property and the Circle K gasoline station, which are located adjacent to the proposed natural gas utility corridor, have documented database information that indicates a risk of a release of contamination. Any earthwork conducted along the proposed natural gas line and adjacent to these properties has the potential to encounter soil and/or groundwater contamination.

Recognized Environmental Conditions – Off-Site

- A trio of properties, including Sam Dell Chrysler Jeep, Donaghue Dodge, and A&P Auto Parts and Salvage Yard, are located east-adjacent to the south finger. These properties are listed in multiple databases, including the generation and disposal of hazardous waste, with the salvage yard being listed for direct discharge of vehicle fluids to a drain, soil, and groundwater during vehicle demolition.

De Minimis Conditions

- Various small quantity containers of household-type cleaners, chemicals, gas cans, paint containers, miscellaneous building materials (i.e., roofing materials, wood, concrete blocks), and debris were observed in piles at several properties.
- Historical agricultural practices may have involved the application of pesticides and/or herbicides.
- Historical reports indicate the potential for additional heating oil aboveground storage tanks (ASTs) and USTs at former residences within the Subject Property. A potential exists to encounter unknown tanks for petroleum contaminated soil in the subsurface during earthwork.
- Parcel 39, located within the north finger on Brewerton Road, is listed as commercial and currently contains the American Homes of Syracuse model home dealership. The property consists of a business storefront, several model homes, a storage shed, and an exterior hydraulic lift area situated on a concrete pad. The hydraulic lift contained above grade lift mechanisms and no observable signs of below grade hydraulic tanks. A 5-gallon bucket of hydraulic oil, consistent with recreational vehicle (RV) or diesel engine maintenance, was observed in the vicinity of the lift. Dealership representatives indicated that vehicle maintenance was not a part of their general services, and the lift was use sporadically for maintenance on company vehicles. Various stored materials were observed in the storage shed with no signs of staining or potential releases. No signs of staining or potential releases were observed in the vicinity of the hydraulic lift. Any fluid/waste mishandling from maintenance activities could results in a release of contamination to the surrounding soil.
- Cicero Wood Recovery, located 800 feet south of the north finger, was listed in the NY SPILLS, RCRA Manifest, FINDS, and ECHO databases. Wood recovery can include the use of solvents stripping of coatings over the wood. Any releases due to the mishandling of wastes has the potential to affect the Subject Property.

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Other Environmental Concerns

- Two airfields, including the former Michael Airfield, located south adjacent to the south finger, were noted. Airfields and airport properties have a history of manufacturing/using aqueous film forming foam (AFFF) as a part of fire suppression for liquid based (oil, gas, etc.) fires. AFFF is concerning as it contains PFAS. Any discharge of AFFF to the ground as part of training or active fire suppression is considered an environmental concern due to the location and proximity to the Subject Property.
- According to data compiled by the New York State Department of Health, Onondaga County has an average indoor radon measurement of 8.02 picocuries/liter based on radon testing of over 9,000 homes. The USEPA recommended action level is 4.0 picocuries/liter. Onondaga County is considered a High-Risk County for radon in New York State.
- No obvious signs of ACM were observed at the remaining vacant residential structures at the Subject Property; however, ACM may be present in some building materials including, but not limited to, vinyl floors and mastics, roofing materials, drywall and associated joint compound, thermal pipe insulation, and caulking and glazing. Prior to implementing an activity that could disturb suspect ACM (e.g., renovation or demolition), a NYS-certified asbestos inspector should inspect the areas and conduct testing, as necessary, to determine whether the activity would disturb ACM. Any such ACM must be removed prior to the activity.
- Based on the ages of the vacant residential structures remaining at the Subject Property, the structures could potentially contain lead-based paint.

Recommendations

- For future development plans that include earthwork on the Property, appropriate measures should be conducted to ascertain environmental conditions in the areas where soil disturbance is anticipated. The investigation should evaluate whether pesticides and/or herbicides exist as a result of past agricultural use, soil quality in areas surrounding petroleum storage or debris piles, areas where adjacent properties have documented contamination, and for general soil characterization/handling during construction. Soil excavated as part of any proposed development activities should be managed in accordance with all applicable regulations. If areas of soil contamination, unforeseen tanks, buried debris, or other materials are discovered, they should be delineated, remediated, and/or removed in accordance with all applicable regulations. Soil intended for off-site disposal should be tested in accordance with the requirements of the intended receiving facility, and transportation of material leaving the Property must be in accordance with federal, state and local requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc. Preparation of a Soil & Materials Management Plan should be considered for documenting the measures and procedures for the tasks listed above, including contingencies for encountering unknown tanks and contaminated soil.
- If petroleum tanks are encountered during any excavation completed for future construction, they should be closed and removed, along with any contaminated soil, in accordance with applicable requirements. Any evidence of a petroleum spill should be reported to NYSDEC and addressed in accordance with applicable requirements. If tanks are discovered, they should be properly registered, if required, with the NYSDEC.
- A pre-renovation or pre-demolition ACM survey should be performed prior to any disturbance of suspect ACM, and any ACM with the potential to be disturbed during any renovation or demolition activities, should be removed and disposed of in accordance with local, state and federal requirements. ACM should be maintained in good condition in accordance with applicable regulations.

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- All future demolition or renovation activities with the potential to disturb lead-based paint should be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62—*Lead Exposure in Construction*).
- Radon levels should be tested in accordance with applicable regulations to determine whether mitigation is warranted for any future on-site development.

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FIGURES

Figure 1 – Subject Property Location
Figure 2 – Site Plan and Parcel Locations
Figure 3 – OCWA Water Transmission Line

APPENDICES

Appendix A – Photographic Documentation
Appendix B – Previous Environmental Reports
Appendix C – Historical Maps and Aerial Photographs
Appendix D – Regulatory Records Review
Appendix E – All Appropriate Inquiry Questionnaire

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1.0 INTRODUCTION

AKRF, Inc. (AKRF) was retained by Micron Idaho Semiconductor Manufacturing (Triton) LLC ("Micron" or User) to perform a Phase I Environmental Site Assessment (ESA) of the collection of mostly vacant parcels within the area generally bounded by Burnet Road to the west, Brewerton Road to the east, State Route 31 to the south, and vacant agricultural and forested land to the north in the Town of Clay, Onondaga County, New York (the "Micron Campus"). The Phase I ESA also included two parcels on Caughdenoy Road – an approximately 30-acre parcel referred to as the proposed childcare site and an approximately 37-acre parcel referred to as the proposed utility infrastructure/rail spur site. The described collection of properties are herein referred to as "the Subject Property."

AKRF understands that the Subject Property encompasses a portion of the greater Micron redevelopment area, which extends west of Burnet Road and includes approximately 800 additional acres. AKRF previously conducted a Phase I ESA for these additional parcels in June 2023.

The Subject Property consisted of 42 parcels totaling approximately 680 acres. Historically, 24 parcels were used for residential purposes, 14 parcels were vacant land, three parcels were used for agriculture, and one parcel was used for commercial purposes. The Subject Property includes parcels that are currently owned by or are under contract to be purchased by Micron. Section 2.1 of this report includes a table describing each parcel associated with the Subject Property. Currently, 23 parcels were listed as residential, 17 parcels were listed as vacant, and one parcel was listed as commercial containing a modular home dealer. The eastern portion of the Micron Campus includes two "fingers" that extend to Brewerton Road (US Route 11) and are intended to serve as a means of access. They are referred to herein as the "north finger" and "south finger". The greater surrounding area primarily consists of rural residential and vacant properties to the north and south, rural residential, vacant land, industrial, and municipal properties to the west, and rural residential, vacant land, and commercial properties to the east of the Subject Property.

In addition to the Phase I ESA of the Subject Property, this report includes an assessment of proposed utility corridors. A proposed natural gas line route and a proposed industrial wastewater force main route, which are located west of the greater Micron development area, included a database review and limited site reconnaissance by utilizing sight lines of the utility routes from public roadways. A database review (no site inspection) of a third utility corridor, which included the existing 22-mile Central New York Water Authority (OCWA) 54-inch transmission line running from the Subject Property to Lake Ontario, was also included as part of this assessment.

The scope of services for the assessment of the Subject Property included the following:

- Visual observations of the Subject Property were made to identify potential sources or indications of chemical contamination. In addition, readily observable portions of the properties immediately adjacent to the Subject Property were viewed from public rights-of-way to identify or determine the likelihood of any of the aforementioned potential sources of contamination being present.
- A visual inspection of the Subject Property was conducted to identify and evaluate the condition of suspect asbestos-containing materials (ACMs) on-site. No samples of suspect materials were collected for analysis as part of this assessment. The Subject Property was also evaluated for the potential presence of lead-based paint, and the condition of painted surfaces was assessed. No samples were collected for analysis as part of this assessment.
- Historical topographical maps and aerial photographs for the Subject Property and adjacent properties were reviewed to evaluate previous land use. Published geological and groundwater information was obtained from available sources to determine the possibility of contamination from off-site sources.

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- Federal regulatory databases that were reviewed to determine the regulatory status of the Subject Property, adjacent properties, and properties within a predetermined study area include, but were not limited to, the following: National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Resource Conservation and Recovery Act (RCRA) Information System; and RCRA Corrective Action Activity (CORRACTS).
- State regulatory databases that were reviewed to determine the regulatory status of the Subject Property, adjacent properties, and properties within a predetermined study area include, but were not limited to, the following: LTANKS (Leaking Storage Tanks); UST (Underground Storage Tanks); AST (Aboveground Storage Tanks); PBS TANKS (Petroleum Bulk Storage Tanks); NY SPILLS (Oil & Chemical Spills); and SPDES (State Pollutant Discharge Elimination System).
- Documents and materials from the Town of Clay and the Town of Cicero were requested to determine the local status of the subject property.

The scope of services for the limited assessment of the utility corridors included:

- The proposed natural gas line and a proposed industrial wastewater force main route, which are located west of the greater Micron redevelopment area, included a database review and limited site reconnaissance by utilizing sight lines from public roadways. The 22-mile Central New York Water Authority (OCWA) 54-inch transmission line, which runs from the Subject Property to Lake Ontario, included a database review with no site inspection.

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2.0 PHYSICAL SITE DESCRIPTION

On August 31, 2023 and September 1, 2023, Ms. Claire Bearden of AKRF performed a visual inspection of the Subject Property. At the time of the inspection, the weather was clear and approximately 70ºF, and the premises were well illuminated. The Subject Property was inspected for the presence of stained surfaces and soil, drums, transformers, and other evidence of hazardous material usage and storage on-site. The Subject Property inspection included an inventory of any active or inactive storage tanks, and an inventory of stored materials. A Subject Property location map is included as Figure 1. A Site Map showing the parcel layout and specific site features is included as Figure 2 and Figure 3. Photographs documenting the Subject Property inspection are included in Appendix A.

2.1 Parcel Information

The following table includes a list of each parcel and associated parcel details that comprise the Subject Property. Refer to Figure 2 for specific parcel locations.

Table 2.1 – Subject Property Parcel Information

Parcel Reference ID	Address	Tax Parcel ID	Size (acres)	Historical Use	Current Use
1	9100 Caughdenoy Road	042.-01-013.0	30.16	Residential and Agricultural	Residential and Agricultural
2	Caughdenoy Road	046.-02-03.2	36.90	Vacant	Vacant
3	Burnet Road	048.-01-19.0	10.63	Vacant	Vacant
4	Burnet Road	048.-01-21.0	35.65	Agricultural	Vacant
5	Burnet Road	048.-01-22.0	26.24	Agricultural	Vacant
6	Burnet Road	049.-01-01.0	17.58	Vacant	Vacant
7	8756 Burnet Road	049.-01-02.0	16.75	Residential and Agricultural	Residential
8	Burnet Road	049.-01-03.0	33.36	Agricultural	Vacant
9	8722 Burnet Road	049.-01-04.0	0.77	Residential	Residential
10	8718 Burnet Road	049.-01-05.0	1.04	Residential	Residential
11	8710 Burnet Road	049.-01-06.0	0.73	Residential	Residential
12	8694 Burnet Road	049.-01-08.1	5.44	Residential	Residential
13	8688 Burnet Road	049.-01-09.1	17.38	Residential and Agricultural	Residential
14	8668 Burnet Road	049.-01-10.1	7.58	Residential	Residential
15	8664 Burnet Road	049.-01-11.0	0.46	Residential	Residential
16	Burnet Road	049.-01-12.2	36.97	Vacant (Young's Creek and Wetland Area)	Vacant (Young's Creek and Wetland Area)

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Table 2.1 – Subject Property Parcel Information					
Parcel Reference ID	**Address**	**Tax Parcel ID**	**Size (acres)**	**Historical Use**	**Current Use**
17	Burnet Road	049.-01-12.3	0.13	Vacant	Vacant
18	Burnet Road	049.-01-13.0	64.28	Vacant (Young's Creek and Wetland Area)	Vacant (Young's Creek and Wetland Area)
19	8594 Burnet Road	049.-01-14.0	0.89	Residential	Residential
20	8574 Burnet Road	050.-01-06.0	0.79	Residential	Residential
21	8558 Burnet Road	050.-01-07.1	7.77	Residential	Residential
22	Burnet Road	050.-01-07.2	66.80	Vacant	Vacant
23	8546 Burnet Road	050.-01-08.1	0.66	Residential	Residential
24	8526 Burnet Road	050.-01-08.2	0.52	Residential	Residential
25	8536 Burnet Road	050.-01-09.0	0.52	Residential	Residential
26	8516 Burnet Road	050.-01-10.0	0.82	Residential	Residential
27	8512 Burnet Road	050.-01-11.1	0.80	Residential	Residential
28	8508 Burnet Road	050.-01-12.1	0.72	Residential	Residential
29	Burnet Road	050.-01-13.2	8.45	Vacant	Vacant
30	8502 Burnet Road	050.-01-13.3	1.15	Residential	Residential
31	State Route 31	051.-01-05.1	44.27	Vacant	Vacant
32	5397 State Route 31	051.-01-05.4	3.43	Residential	Residential
33	8424 Burnet Road	051.-01-13.1	0.97	Residential	Residential
34	5363 State Route 31	051.-01-13.2	0.68	Residential	Residential
35	5367 State Route 31	051.-01-13.3	5.30	Potential Residential or School	Religious
36	Burnet Road	051.-01-14.1	25.85	Vacant	Vacant
37	8450 Burnet Road	051.-01-14.2	0.78	Residential	Residential
38	8545 Brewerton Road	091.-01-01.1	64.28	Vacant	Vacant
39	8765 Brewerton Road	092.-01-01.1	9.22	Commercial	Commercial
40	Brewerton Road	092.-01-01.2	21.45	Vacant	Vacant

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Table 2.1 – Subject Property Parcel Information					
Parcel Reference ID	**Address**	**Tax Parcel ID**	**Size (acres)**	**Historical Use**	**Current Use**
41	Brewerton Road	092.-01-01.3	23.53	Vacant	Vacant
42	8821 Brewerton Road	120.-01-08.1	44.38	Vacant	Vacant

2.2 General Site Conditions

The Subject Property consists of 42 parcels totaling approximately 680 acres. These parcels are generally situated north of State Route 31, east of Burnet Road, and west of Brewerton Road in the Town of Clay and Town of Cicero, New York. The residential parcels within the Subject Property were not occupied; however, vacant residential structures were present. The residential structures were primarily inspected from the outside unless garage doors were left open allowing visual inspection of interior areas. Various small-quantity containers of household cleaners, chemicals, gas cans, miscellaneous building materials, and household debris were observed at several properties; however, no staining, odors, or signs of potential releases were observed.

The parcels listed as vacant in Table 2.1 above consisted of mostly overgrown grass, shrub, and tree-covered fields. No signs of stressed vegetation were observed. Although not observed during AKRF's inspection, historical agricultural practices may have involved the use of pesticides and/or herbicides. Small creeks, ponds, and potential wetland areas were observed within portions of the parcels along Burnet Road. Overhead electrical power transmission lines bisect the northern portion of the Micron Campus running east to west where they connect to Clay Substation, located across Caughdenoy Road to the west.

Parcel 39, located within the north finger on Brewerton Road, is listed as commercial and currently contains the American Homes of Syracuse model home dealership. The property consists of a business storefront, several model homes, a storage shed, and an exterior hydraulic lift area situated on a concrete pad. The hydraulic lift contained above grade lift mechanisms and no observable signs of below grade hydraulic tanks. A 5-gallon bucket of hydraulic oil, consistent with recreational vehicle (RV) or diesel engine maintenance, was observed in the vicinity of the lift. Dealership representatives indicated that vehicle maintenance was not a part of their general services, and the lift was use sporadically for maintenance on company vehicles. Various stored materials were observed in the storage shed with no signs of staining or potential releases. No signs of staining or potential releases were observed in the vicinity of the hydraulic lift.

The proposed natural gas and industrial wastewater utility corridor portions of the Subject Property were evaluated by driving the accessible roadways along or adjacent to the proposed utility routes and visually inspecting the routes for any obvious signs of environmental impacts or concerns. The roadway inspections included Caughdenoy Road, Verplank Road, Van Hoesen Road, Appaloosa Trail, and State Route 31. The surrounding area in the vicinity of these roadways mostly included rural land with residential developments. In addition, commercial and municipal properties were observed along State Route 31 including a Circle K gasoline station and the Town of Clay Highway Department. Uses at gasoline stations and highway department properties are known to include petroleum storage and vehicle maintenance. Any earthwork along the proposed natural gas line and adjacent to the gas station or highway department property has a potential to encounter soil and/or groundwater contamination.

No other potential environmental concerns were observed for the remaining corridor areas.

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2.3 Topography and Hydrogeology

Based on reports compiled by the United States Geological Survey (USGS) Brewerton and Cicero, NY Quadrangle maps, the Subject Property lies at an elevation of approximately 425 feet above mean sea level (AMSL) at the southern border, and gently slopes downward towards Youngs Creek at the northeastern border to approximately 390 feet AMSL. An unnamed tributary to Youngs Creek originates on the southwestern portion of the property and flows north where it connects with Youngs Creek just beyond the northern boundary of the study area. Youngs Creek is mapped to originate at multiple headwater locations within the central portion of the Subject Property and converge to flow to the north. Based on topography, groundwater beneath the Subject Property likely flows to the north-northeast; however, actual groundwater flow at the Subject Property can be affected by many factors beyond the scope of this study.

2.4 Storage Tanks

Based on the age of the structures, rural location, and the former residential use, fuel oil was a popular choice for heating purposes. AKRF did not have access inside the remaining residential structures, but several residential parcels have been reported to contain fuel oil aboveground storage tanks (ASTs) located in basement areas. There is a potential for underground storage tanks (USTs) to be present at certain residences and/or adjacent barn/farming/storage structures.

2.5 Polychlorinated Biphenyls (PCBs)

Prior to 1979, PCBs were widely used for their cooling properties in electrical equipment such as transformers, capacitors, switches, voltage regulators, and hydraulic equipment. Based on the ages of the remaining vacant residential structures, fluorescent lights and lighting fixtures in the structures have the potential to include PCB- and/or mercury-containing components (including capacitors and potting compounds). Unless there was labeling or test data that indicates they are not mercury- and/or PCB-containing, disposal would be required in accordance with applicable federal, state, and local regulations and guidelines. Pole-mounted transformers were observed along the overhead power lines along Burnet Road. No labeling indicating PCB content was observed on the transformers. In addition, a closed container of hydraulic oil was observed adjacent to the hydraulic lift area at Parcel 39. The hydraulic oil was in a 5-gallon bucket typically used for RV or diesel engine maintenance. No labeling indicating PCB content was observed on the container, but is unlikely to contain PCBs.

2.6 Lead-Based Paint

The use of lead-based paint was banned for residential use by the Consumer Products Safety Commission in 1977. The use of lead-based paint in commercial structures was severely restricted by the Consumer Products Safety Commission in 1977. Lead-based paint is potentially hazardous when in a deteriorating condition (i.e., chipped, broken, crumbling, pulverized). Lead is potentially harmful to humans, particularly children, if ingested, inhaled, or otherwise absorbed.

Based on the ages of the vacant residential structures remaining at the Subject Property, the structures could potentially contain lead-based paint. All future demolition or renovation activities with the potential to disturb lead-based paint should be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62—*Lead Exposure in Construction*).

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2.7 Utilities

Overhead power lines were observed along Burnet Road at the Subject Property. Based on the records AKRF has reviewed, the residential parcels are serviced by a combination of public electric, gas, and sanitary/sewer utilities and private utilities such as septic tanks and leach fields and fuel oil contained in storage tanks.

2.8 Waste Management and Chemical Handling

Waste management for the residential structures was likely handled through private accounts with local carting services. Since the residential properties were vacant, there were no known active or observed waste management, chemical handling, or trash services associated with the Subject Property.

2.9 Radon

Radon is a colorless, odorless gas produced by the radioactive decay of certain elements. The most common sources of radon are igneous and metamorphic rocks containing uranium (such as pitchblende), granite, shale, or phosphate, as well as soils or sediments derived from these parent materials. Radon may also be found in soils contaminated with certain industrial wastes (such as uranium or phosphate mine tailings) or in earth-derived building products which include industrial wastes that contain phosphate slag. In areas where the potential for radon accumulation is high, special ventilation systems may offset potential health hazards.

According to data compiled by the New York State Department of Health, Onondaga County has an average indoor radon measurement of 8.02 picocuries/liter based on radon testing of over 9,000 homes. The USEPA recommended action level is 4.0 picocuries/liter. Onondaga County is considered a High-Risk County for radon in New York State.

2.10 Emerging Contaminants

Emerging contaminants are chemicals that are not yet listed on the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) hazardous substances list, but may be regulated under state law or are under review for future federal regulation or inclusion on the CERCLA hazardous substance list. Per- and polyfluoroalkyl substances (PFAS) are a class of emerging contaminant chemicals found in fire-suppression foam, fire and stain retardants, water repellant materials, non-stick coatings, and many other materials (e.g., cosmetics and personal care products, etc.). PFAS repel water and oil and are resistant to heat and chemical reactions. Specific PFAS compounds including perfluorooctane sulfonate (PFOS), perfluorooctanoic acid (PFOA), and perfluorononanoic acid (PFNA) are not yet regulated by federal laws as hazardous substances under CERCLA. PFAS may discharge to the environment through releases during manufacturing, wastewater discharges from industrial and commercial processes involving PFAS-containing products, or the use of fire-suppression foam during an emergency response.

Current and historical uses of the Subject Property and adjoining/surrounding properties were reviewed to identify potential sources of PFAS at or around the Site. Two airfields, including the former Michael Airfield, located south adjacent to the south finger, were noted. Airfields and airport properties have a history of manufacturing/using aqueous film forming foam (AFFF) as a part of fire suppression for liquid based (oil, gas, etc.) fires. AFFF is concerning as it contains PFAS. Any discharge of AFFF to the ground as part of training or active fire suppression is considered an environmental concern due to the location and proximity to the Subject Property.

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3.0 ASBESTOS-CONTAINING MATERIALS (ACM)

Asbestos, a known human carcinogen, is a generic name assigned to a group of naturally occurring minerals exhibiting high tensile strength and possessing excellent fire resistance and insulating properties. These minerals include chrysotile, amosite, crocidolite, actinolite, tremolite, and anthophyllite. Asbestos is commonly found as a component of building materials, including: thermal system insulation (TSI), pipe insulation, spray-applied fireproofing, spray- or trowel-applied surfacing materials, vinyl asbestos floor tiles and sheeting, plaster, sheetrock/joint compound, ceiling tiles, fire door fill, roofing materials, thermal gaskets, mastics, caulks, and a range of other products.

Building materials containing greater than one percent asbestos are considered to be ACM. ACM are classified as friable or non-friable. Friable ACM are those which can be crumbled, pulverized, or reduced to powder when dry by hand or other mechanical pressure. Friable ACM, such as thermal system insulation and spray-applied fireproofing, are generally associated with a higher risk of releasing asbestos fibers than non-friable ACM, such as vinyl floor tiles and built-up roofing materials.

No obvious signs of ACM were observed at the remaining vacant residential structures at the Subject Property; however, ACM may be present in some building materials including, but not limited to, vinyl floors and mastics, roofing materials, drywall and associated joint compound, thermal pipe insulation, and caulking and glazing. The observations made during the reconnaissance do not constitute and cannot substitute for an asbestos survey which is a comprehensive study with laboratory testing. Prior to implementing an activity which could disturb suspect ACM (e.g., renovation or demolition), a NYS-certified asbestos inspector must inspect the areas and conduct testing, as necessary, to determine whether the activity would disturb ACM. Any such ACM must be removed prior to the activity.

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4.0 ADJACENT LAND USE

The surrounding area consists of predominantly single-family residential properties, vacant/rural land, and former agricultural land. Uses beyond residential/agricultural included: fire protection equipment supplier and a utility substation to the west, a farm equipment and mulch supplier, and a recreational park to the south, and various commercial properties along Brewerton Road to the east followed by Interstate 81. Two airfields are located in the vicinity of the Subject Property to the southeast and northwest.

Two airfields, including the former Michael Airfield, located south adjacent to the south finger, were noted. Airfields and airport properties have a history of manufacturing/using AFFF as a part of fire suppression for liquid based (oil, gas, etc.) fires. AFFF is concerning as it contains PFAS. Any discharge of AFFF to the ground as part of training or active fire suppression is considered an environmental concern due to the location and proximity to the Subject Property.

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5.0 USER PROVIDED INFORMATION

The User of this Phase I report is a potential purchaser of the Subject Property and provided block and lot information for all parcels within the study area, and previous environmental reports for the Subject Property. The environmental reports are described in Section 6.0 and included in Appendix B.

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6.0 PREVIOUS ENVIRONMENTAL REPORTS

A previous environmental study was performed for the purposes of due diligence by Ramboll Americas Engineering Solutions, Inc. (Ramboll) in 2019-2021 for parcels encompassing the Subject Property and the greater Micron redevelopment area. The environmental study included a combination of Transaction Screen Assessments (TSAs) in conformance with the ASTM 2017 Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528-14e1) and Phase I ESAs in conformance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-13). A summary of relevant findings is provided below.

Transaction Screen Assessments

A summary of the TSA findings for the Subject Property parcels investigated is provided in Table 6.0 below.

Table 6.0 – TSA Findings

Parcel Reference ID	Address	Tax Parcel ID	Environmental Study Type	Findings
1	9100 Caughdenoy Road	042.-01-013.0	Not Investigated	N/A
2	Caughdenoy Road	046.-02-03.2	Not Investigated	N/A
3	Burnet Road	048.-01-19.0	Not Investigated	N/A
4	Burnet Road	048.-01-21.0	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
5	Burnet Road	048.-01-22.0	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
6	Burnet Road	049.-01-01.0	Not Investigated	N/A
7	8756 Burnet Road	049.-01-02.0	Not Investigated	N/A
8	Burnet Road	049.-01-03.0	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
9	8722 Burnet Road	049.-01-04.0	Not Investigated	N/A
10	8718 Burnet Road	049.-01-05.0	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
11	8710 Burnet Road	049.-01-06.0	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
12	8694 Burnet Road	049.-01-08.1	Not Investigated	N/A
13	8688 Burnet Road	049.-01-09.1	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
14	8668 Burnet Road	049.-01-10.1	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.

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Table 6.0 – TSA Findings				
Parcel Reference ID	**Address**	**Tax Parcel ID**	**Environmental Study Type**	**Findings**
15	8664 Burnet Road	049.-01-11.0	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
16	Burnet Road	049.-01-12.2	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
17	Burnet Road	049.-01-12.3	Not Investigated	N/A
18	Burnet Road	049.-01-13.0	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
19	8594 Burnet Road	049.-01-14.0	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
20	8574 Burnet Road	050.-01-06.0	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
21	8558 Burnet Road	050.-01-07.1	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property. The following was additionally noted: Vent and fill pipes were observed protruding from the ground adjacent to the south west corner of the residential structure. The property owner was not aware of any aboveground or underground storage tanks being present currently or previously on the property. The results of the state and federal environmental database searches performed by EDR did not identify and aboveground or underground storage tanks at the property. No additional information regarding storage tanks at the property was available for review.
22	Burnet Road	050.-01-07.2	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
23	8546 Burnet Road	050.-01-08.1	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
24	8526 Burnet Road	050.-01-08.2	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
25	8536 Burnet Road	050.-01-09.0	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
26	8516 Burnet Road	050.-01-10.0	TSA	The assessment revealed no evidence of potential environmental concerns in

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Table 6.0 – TSA Findings				
Parcel Reference ID	**Address**	**Tax Parcel ID**	**Environmental Study Type**	**Findings**
				connection with the property. The following was additionally noted: Ramboll was not allowed to enter the structure; therefore, we could not verify that a former aboveground storage tank (as identified by the property owner) was removed or inspect for signs of spills/releases.
27	8512 Burnet Road	050.-01-11.1	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property. The following was additionally noted: The property owner representative indicated that a UST is present on the north side of the structure and that prior occupants utilized fuel oil prior to switching to natural gas years ago. The property owner representative was unsure as to whether the tank had been emptied at that time.
28	8508 Burnet Road	050.-01-12.1	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
29	Burnet Road	050.-01-13.2	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
30	8502 Burnet Road	050.-01-13.3	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
31	State Route 31	051.-01-05.1	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
32	5397 State Route 31	051.-01-05.4	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
33	8424 Burnet Road	051.-01-13.1	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
34	5363 State Route 31	051.-01-13.2	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
35	5367 State Route 31	051.-01-13.3	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
36	Burnet Road	051.-01-14.1	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.
37	8450 Burnet Road	051.-01-14.2	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.

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Table 6.0 – TSA Findings				
Parcel Reference ID	**Address**	**Tax Parcel ID**	**Environmental Study Type**	**Findings**
38	8545 Brewerton Road	091.-01-01.1	Not Investigated	N/A
39	8765 Brewerton Road	092.-01-01.1	Not Investigated	N/A
40	Brewerton Road	092.-01-01.2	Not Investigated	N/A
41	Brewerton Road	092.-01-01.3	Not Investigated	N/A
42	8821 Brewerton Road	120.-01-08.1	TSA	The assessment revealed no evidence of potential environmental concerns in connection with the property.

The report for the TSAs conducted for the Subject Property parcels did not include a description of any significant environmental impacts and no further investigation was recommended. Potential fuel storage tanks were noted at three properties (Parcel IDs 21, 26, and 27); however, the report indicated no evidence of a release to the environment was observed. Various miscellaneous debris piles were reported to be observed at some of the Subject Property parcels, but no evidence of a release was observed. The TSA reports for the parcels encompassing the Subject Property are included in Appendix B. The Environmental Data Resources, Inc. (EDR) database reports (over 7,500 pages) used for screening each of the 42 properties were omitted from the report included in Appendix B to allow for concise review.

The documented and/or potential USTs at the indicated parcels is considered an REC due to the lack of operation and closure data, and the unknown status regarding a release of heating oil to the subsurface.

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7.0 SITE HISTORY AND RECORDS REVIEW

7.1 Prior Ownership and Usage

Historical aerial photographs and historical topographic maps were reviewed to determine site history and usage. Records were also requested from the Town of Clay Town Clerk and Town of Cicero Record Access Officer through a Freedom of Information Act (FOIL) request. At the time of this report, the Town of Clay and the Town of Cicero have not responded with any files related to the Subject Property. Should any files become available that would change the findings listed in this report, a report addendum will be provided with the new information.

Due to the Subject Property size and associated volume of residential parcels, City Directories were not included as part of the review.

7.1.1 Historical Aerial Photographs

Historical aerial photographs were reviewed for indications of industrial usage or other evidence suggesting the use or disposal of hazardous materials on or adjacent to the Subject Property. Specifically, aerial photographs from 1938, 1951, 1960, 1966, 1972, 1978, 1985, 1994-1995, 2006, 2011, 2015 and 2019 were reviewed for the Micron Campus parcels and for the proposed natural gas line and industrial wastewater force main routes and the proposed utility infrastructure/rail spur site (collectively referred to as "utilities," below). No historical aerial photograph records for the proposed childcare site were available for review.

Copies of the aerial photographs are included in Appendix C. Details of these photographs are discussed below:

1938

Micron Campus

The Subject Property is predominantly rural residential and vacant land that appears to be primarily used for agricultural purposes due to varying, rectangular land cover types. State Route 31 to the south, Burnet Road to the west, and Brewerton Road to the east of the Subject Property appear to exist in their present-day locations. A few presumably residential structures are present along the perimeter of the Subject Property on Burnet Road, Brewerton Road, and State Route 31. The north-western portion of the Subject Property appears tree-covered. Small, localized streams and creeks appear mostly within the central and southern portions of the Subject Property.

Utilities

The Subject Property is predominantly rural residential and vacant land that appears to be primarily used for agricultural purposes due to varying, rectangular land cover types. Caughdenoy Road on the eastern portion, Verplank Road and small stream on the northern portion, State Route 31 on the southern portion, and a rail line crossing Caughdenoy Road from the northeast appear to exist in their present-day locations. Scattered areas of tree-covered land are present.

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1951

Micron Campus

The Subject Property remained similar to the 1938 map. A few additional residential structures are present along Burnet Road and State Route 31. Additional residential and potentially commercial structures appear along Brewerton Road to the east of the Subject Property.

Utilities

The Subject Property remained similar to the 1938 map. A few additional residential structures are present along State Route 31.

1960

Micron Campus

The Subject Property remained similar to the 1951 map. Interstate 81 appears to the east of Brewerton Road.

Utilities

The Subject Property remained similar to the 1951 map.

1966-1978

Micron Campus

The Subject Property remained similar to the 1960 map with additional residential structures present along the perimeter of the Subject Property and along the roadways in the surrounding area. Additional commercial structures are present along Brewerton Road. Power lines appear running east to west in the northern portion of the Subject Property.

Utilities

The Subject Property remained similar to the 1960 map with additional residential structures present along the perimeter of the Subject Property and along the roadways in the surrounding area. A large structure, presumed to be the Clay Electric Substation, appears to the east of Caughdenoy Road. Two areas of disturbed land appear to the north of Verplank Road. A linear section of tree-covered land to the south of Verplank Road had been cleared for apparent construction of power lines.

1985

Micron Campus

The Subject Property remained similar to the 1966-1978 maps. Additional residential development along State Route 31 and commercial development along Brewerton Road are present around the perimeter of the Site. Additional tree-covered land appears within the northern and central portions of the Subject Property.

Utilities

The Subject Property remained similar to the 1966-1978 maps with additional residential structures present along the roadways around the Subject Property and in the surrounding

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area. A water body and commercial structures are present in the areas of disturbed land that appeared in the 1966-1978 photographs.

1994-2006

Micron Campus

The Subject Property remained similar to the 1985 map. Additional residential and commercial development can be seen to the east of the Subject Property along Brewerton Road. An apparent airfield runway appears to the east of the Subject Property. Additional tree-covered land appears within the northern and central portions of the Subject Property.

Utilities

The Subject Property remained similar to the 1985 map with additional tree-covered land observed within and around the Subject Property. Additional residential and commercial structures are present along State Route 31.

2011-2019

Micron Campus

The Subject Property remained similar to the 1994-2006 maps. Additional residential structures are present along and to the south of State Route 31. Additional residential and commercial development can be seen to the east of the Subject Property along Brewerton Road.

Utilities

The Subject Property remained similar to the 1994-2006 maps. Additional residential development is present to the north of Verplank Road and to the south of State Route 31.

Summary

The Subject Property and greater surrounding area were developed prior to 1938 with small, apparent residential structures, agricultural land, and roadways. Railroad tracks were depicted running northeast/southwest across Caughdenoy Road as early as 1938. Interstate 81 was constructed to the east of the Subject property between 1956-1960. As time progressed the greater surrounding area, particularly to the east and south saw increased residential and commercial development, while the Subject Property remained mostly rural residential primarily composed of vacant agricultural or tree-covered land with residences along Burnet Road, State Route 31, Caughdenoy Road, and Verplank Road.

7.1.2 Historical USGS Topographic Maps

Historical topographic maps were reviewed for indications of land uses on and near the Subject Property. Specifically, USGS topographic maps (Syracuse, Brewerton, and Cicero Quadrangle), from 1895, 1898, 1940, 1943-1944, 1957, 1973, 1978, 2013, 2016, and 2019 were reviewed for the Micron Campus parcels. No historical topographic map records for the proposed utility and childcare sites were available for review.

The USGS maps are included in Appendix C. Details of these maps are discussed below:

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1895-1898: Syracuse Quadrangle – 15 minute

The eastern, southern, and western boundaries of the Subject Property were developed with unspecified structures, presumed to be residences. Unnamed roadways were depicted along the east, south and western boundaries of the Subject Property. A railroad identified as Syracuse and Rome Branch is depicted running northeast to southwest along to the west of the Subject Property. The Subject Property is shown around 400 feet AMSL to the south with gentle sloping to around 395 feet AMSL towards a series of creeks shown to the northwest.

1940-1944: Brewerton and Cicero Quadrangles – 7.5 minute

The 1940 topographic map shows additional contouring details with the southwestern corner of the Subject Property depicted around 425 feet AMSL gently sloping to the northeast around 390 feet AMSL. Additional creeks and waterways are shown in the central portion of the Subject Property. The roadways on the western and southern perimeter of the Subject Property are labeled Cow Path Road (present-day Burnet Road), and No. 31, respectively. The railroad running northeast to southwest across Caughdenoy Road is labeled as New York Central Watertown. A structure labeled "School No. 17" is shown in the southwest corner of the Subject Property.

1957: Brewerton and Cicero Quadrangles – 7.5 minute

The Subject Property remained similar to the 1940-1944 maps. The former Cow Path Road along the western perimeter of the Subject Property has been renamed Burnet Road. Additional unnamed structures are shown along Burnet Road, State Route 31, and Caughdenoy Road and along the roadways in the surrounding area. Hayes Airfield and Interstate 81 are shown to the east of the Subject Property.

1973-1978: Brewerton and Cicero Quadrangles – 7.5 minute

The topographic gradient of the Subject Property remained relatively similar to the 1957 map. Small, isolated areas of ponded water are shown to the west of the Subject Property. Power transmission lines are shown running east to west through the northern portion of the Subject Property, and running north to south to the northwest of the Subject Property where they intersect at a substation shown to the west of the Subject Property. A radio tower is depicted to the north of the substation. Hayes Airfield to the east of the Subject Property has been renamed Michael Field.

2013-2019: Brewerton and Cicero Quadrangles – 7.5 minute

The Subject Property remained similar to the 1973-1978 maps. Additional roadways are depicted to the south of the Subject Property. Airline Enterprises Airport is shown to the northwest of the Subject Property. Details regarding development in the surrounding area, including the power transmission lines, substation, Hayes Airfield/Michael Field and individual structures are not shown on these maps.

Summary

Topography of the Subject Property has remained approximately 390-425 feet AMSL throughout its history. The greater surrounding area has remained generally consistent from 400-425 feet AMSL south of the Subject Property to a low point of 375 feet AMSL around Youngs Creek to the northwest.

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The Subject Property and surrounding area were developed prior to 1895, with additional structures and roadways constructed over time. Labeled features in the greater surrounding area historically consisted of educational institutions, railroad lines, airfields, power transmission lines, a substation, and Interstate 81.

7.1.3 Property Tax Files and Zoning Records

AKRF completed the FOIL requests for environmental records from the Town of Clay Town Clerk and the Town of Cicero Records Access Officer. At the time of this report, the Town of Clay and the Town of Cicero have not responded with any files related to the Subject Property. Should any files become available that would change the findings listed in this report, a report addendum will be provided with the new information.

7.2 Regulatory Review

EDR was contracted to obtain information regarding the regulatory status of the Subject Property and the surrounding area. This information included records from databases maintained by the USEPA and NYSDEC. AKRF reviewed these records to identify the use, generation, storage, treatment, and/or disposal of hazardous material and chemicals, or releases of such materials, which may impact the Subject Property. All applicable regulatory databases meet ASTM guidelines requesting utilization of information within 90 days' receipt from the appropriate agency. Copies of the pertinent sections of the EDR report are included in Appendix D.

7.2.1 Federal

The federal databases searched included the National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Superfund Enterprise Management System Archive (SEMS-ARCHIVE), Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); and Federal Institutional Control/Engineering Control Registries. The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.

Federal ASTM supplemental records reviewed included: CONSENT (Superfund Consent Decrees); Records of Decision (ROD); and Delisted NPL (National priority List Deletions).

National Priority List (NPL)

The NPL is the USEPA's database of some of the most serious uncontrolled or abandoned hazardous waste sites identified for probable remedial action under the Superfund Program. These sites may constitute an immediate threat to human health and the environment. Due to the amount of public attention focused on NPL sites, they pose a significant risk of stigmatizing surrounding properties and potentially impacting property values.

The Subject Property was not listed in the NPL database, and no NPL sites were identified within a one-mile radius of the Subject Property.

Delisted NPL (National Priority List Deletions)

This database describes former NPL sites that have been removed from the NPL list by the USEPA. The National Oil and Hazardous Substances Pollution Contingency Plan

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(NCP) established the criteria used by the USEPA to delist sites where no further federal response is needed.

The Subject Property was not listed in the delisted NPL database, and no delisted NPL sites were identified within a one-mile radius of the Subject Property.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

CERCLIS is a compilation of known or suspected, uncontrolled, or abandoned hazardous waste sites which the USEPA has investigated, or plans to investigate, for a release, or threatened release, of hazardous substances pursuant to the Superfund Act of 1980 (CERCLA). Some of these sites may constitute a potential threat to human health and the environment. While it has been determined by the USEPA that some CERCLIS sites require no action, others could pose a real or perceived environmental threat to neighboring properties, thus affecting property values.

The Subject Property was not listed in the CERCLIS database, and no CERCLIS sites were identified within a half-mile radius of the Subject Property.

Comprehensive Environmental Response, Compensation, and Liability Information System-No Further Remedial Action Planned (CERCLIS-NFRAP)

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" have been removed from CERCLIS. NFRAP sites may be sites where, following an investigation, no contamination was discovered, contamination was removed quickly without the need for the site to be place on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.

The Subject Property was not listed in the CERCLIS-NFRAP database, and no CERCLIS-NFRAP sites were identified within a half-mile radius of the Subject Property.

Emergency Response Notification System (ERNS)

This federal database, compiled by the Emergency Response Notification System, records and stores information on reported releases of petroleum and other potentially hazardous substances.

The Subject Property was not listed in the ERNS database.

Toxic Chemical Release Inventory System (TRIS)

This federal database, compiled by the USEPA, identifies facilities that release chemicals to the air, water, and land in reportable quantities.

The Subject Property was not listed in the TRIS database.

CONSENT (Superfund Consent Decrees)

Superfund consent decrees are major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. These decrees are periodically released by the United States District Courts after settlement by parties to litigation matters.

The Subject Property was not listed in the CONSENT database, and no CONSENT sites were identified within a one-mile radius of the Subject Property.

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ROD (Records of Decision)

ROD documents mandate permanent remedies at NPL sites and contain technical and health information to aid in the cleanup.

The Subject Property was not listed in the ROD database, and no ROD sites were identified within a one-mile radius of the Subject Property.

US Brownfields

The US Brownfields program is for properties that clean up and report to the USEPA and are served by Brownfields grant programs.

The Subject Property was not listed in the US Brownfields database, and no US Brownfields sites were identified within a half-mile radius of the Subject Property

7.2.2 State

The state records reviewed included the listings of hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); Major Oil Storage Facilities (MOSF); and Brownfield Sites.

Resource Conservation and Recovery Act (RCRA) Notifiers Listings

This database lists sites which have filed notification forms regarding hazardous waste activity, including: treatment, storage, and disposal facilities (TSDs); small-quantity (SQG) and large-quantity generators (LQG); and transporters regulated under RCRA. The discussion below includes any CORRACTS listings of facilities which are subject to corrective action under RCRA.

Two RCRA sites were identified within the Subject Property. The Town of Clay Highway Department, located within a section of the proposed natural gas line route at 4483 State Route 31, was identified as a conditionally exempt RCRA Very Small Quantity Generator (VSQG) for 1994, 2006, and 2007. Listed waste codes included lead (D008), 2-propanone or acetone (U002), 1-propanol, 2-methyl-, or isobutyl alcohol (U140), naphthalene (U165), and benzene, methyl-, or toluene (U220) with no other information provided. In addition, the Town of Clay Police Department was listed at the same location as not a generator (RCRA NonGen/NLR) for 2006-2007 and was listed as a conditionally exempt SQG in 1993 with waste codes for lead and ignitable waste (D001). No other information was provided. Due to the location and listed information, waste handling information, any releases from this site have a potential to affect soil and/or groundwater along the proposed natural gas line.

Eight RCRA sites were identified within a ¼-mile radius of the Subject Property. The National Grid Clay Substation, located adjacent to the northwest corner of the industrial wastewater force main route, was listed as a RCRA LQG in 2007 and 2009 for generating 2 tons of metal waste impacted with lead. Other hazardous waste codes indicate ignitable waste and mercury with no other information provided.

A collection of properties that are located on Brewerton Road and east-adjacent or between the north and south “fingers” of the Micron Campus were listed in the database report. These properties included:

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- Sam Dell Chrysler Jeep (east-adjacent to the south finger) was listed as not a generator (RCRA NonGen/NLR) for 1999, 2006, and 2007. The site was listed as a SQG in 1996 with waste codes for lead, benzene, ignitable waste, cadmium (D006), methyl ethyl ketone (D035), tetrachloroethylene (PCE) (D039), and trichlorethylene (TCE) (D040) with no other information provided.
- Donaghue Dodge, located approximately 300 feet southeast of the south finger of the Micron Campus parcels on Brewerton Road, was listed as a non generator (RCRA NonGen/NLR) for 1999, 2006, and 2007. The site was listed as a LQG in 1986 with wastes codes for lead, ignitable waste, corrosive waste (D002), spent halogenated solvents (F001), and spent non-halogenated solvents (F003) with no other information provided.
- Cicero Wood Recovery, located to the east and upgradient of the Micron Campus parcels and between the "fingers" at 8701 Brewerton Road, was listed as not a generator in the RCRA database for 1999, 2006, and 2007 and was listed as a SQG in 1996 with waste codes for ignitable waste and benzene.

Any releases from these properties have the potential to affect the Subject Property.

Circle K #7631, located south-adjacent of the proposed natural gas line route at 8578 Henry Clay Boulevard, was listed as a conditionally exempt RCRA-VSQG in 2018 with waste codes for ignitable waste and benzene and North American Industry Classification System (NAICS) code 447110 for gasoline stations with convenience stores. No other information was provided. Any releases from this property have the potential to affect soil and/or groundwater at the proposed north-adjacent utility corridor.

Additional sites of note included:

- Clay Volunteer Fire Department, located southeast of the proposed utility infrastructure/rail spur site at 4948 State Route 31, was listed as not a generator (RCRA NonGen/NLR) for 1999, 2006, and 2007. The site was listed as a SQG in 1995 and a LQG in 1996 with waste codes for ignitable waste and benzene. No other information was provided.
- Onondaga County Waste Water Treatment Plant, located to the east of the industrial wastewater force main route at 4300 Oak Orchard Road, was listed as a conditionally exempt SQG for 1998, 2006, and 2007 with waste codes for ignitable waste, corrosive waste, and benzene. No other information was provided.
- Clay Volunteer Fire Department, located east of the proposed natural gas line route at 4383 State Route 31, was listed as a SQG in January 2019 with waste codes for ignitable waste and lead. The site was listed as not a generator (RCRA NonGen/NLR) in September 2019. No other information was provided.

Due to the location and listed information, waste handling information, and anticipated groundwater flow direction, these sites are not expected to have affected the Subject Property.

Chemical Bulk Storage (CBS)

The Subject Property was not listed in the CBS database.

One CBS listing was reported within a ¼-quarter mile of the Subject Property located at Oak Orchard Wastewater Treatment Plant at 4300 Oak Orchard Road. The site status was

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listed as active within the CBS program with an expiration date of June 20, 2023. No additional details were provided.

Solid Waste Facilities (SWF)

The Subject Property was not listed in the SWF database.

Two SWF listings were reported within a ¼-quarter mile of the Subject Property. A&P Auto Parts at 8572 Brewerton Road (east-adjacent to the south "finger") was listed with a waste type of scrap metal, mercury switches, waste tire, lead acid batteries, and end of life vehicles with an expiration date of February 25, 2024. Any releases from this property have the potential to affect soil and/or groundwater the south "finger" of the Subject property.

Salvage Management of Syracuse at 8459 Brewerton Road (1/4-mile south of the south "finger") was listed as an inactive vehicle dismantling facility with no additional information provided. Due to location and distance, any releases this listing are not anticipated to have the potential to affect the Subject Property.

LTANKS (Leaking Storage Tanks)

LTANKS records contain an inventory of reported leaking storage tank incidents.

The Subject Property was listed in the LTANKS database for the Town of Clay Highway Department, located within a section of the proposed natural gas line route at 4483 State Route 31, related to a diesel tank overfill on November 19, 1999, with remarks "all recovered on blacktop." The quantity of fuel spilled was not reported and no additional information was provided.

Six LTANKS listings were reported within a half-mile radius of the Subject Property. Based on the proximity to the Subject Property, listed information, and anticipated groundwater flow direction, three of the sites listed could have historically affected groundwater beneath the Subject Property. Details included the following:

- North Town SPS, located south adjacent to the proposed utility infrastructure/rail spur site on Caughdenoy Road, was listed for a diesel fuel spill on January 22, 1991, related to an emergency generator (spill ID 9011508/1991-02-15). Details regarding the spill indicated a small hole was observed in the tank. Some contaminated soil was staged onsite, and the tank was hauled offsite for cleaning. It was reported that 5 gallons of diesel fuel was released, and 3 gallons of fuel were recovered. Cleanup activities ceased on February 15, 1991.
- Circle K #7631, located approximately 600 feet south of the proposed natural gas line route at 8578 Henry Clay Boulevard, was listed for a tank test failure on July 17, 2019. Gasoline and diesel fuel are included in the listing with no quantity provided. The spill case was closed on February 16, 2023 with remarks "facility inspected under subsequent routine periodic PBS inspection and found to be satisfactory."
- Franscotti Property, described as a private dwelling located at 5001 Route 31 and south adjacent to the proposed utility infrastructure/rail spur site, was listed for a spill of #2 fuel oil on January 3, 1994, related to a heating oil tank in the basement of the property (spill ID 9311741/1995-02-09). Details regarding the quantity of fuel oil released and associated cleanup were not provided; however, the listing indicates cleanup activities ceased on January 4, 1994.

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UST (Underground Storage Tanks)

The Subject Property was listed in the UST database for the Town of Clay Offices, located within a section of the proposed natural gas line route at 4483 State Route 31. Seven USTs were included in the listing with the following details:

Tank Number	Contents	Capacity (Gallons)	Install Date	Remove/Close Date	Tank Status
001	Gasoline	3,000	11/01/1999	04/11/2013	Closed – Removed
001-A	Gasoline	4,000	06/01/1970	11/01/1999	Closed – Removed
002	Gasoline	3,000	11/01/1999	Not Reported	Closed – Removed
002-A	Gasoline	3,000	06/01/1970	11/01/1999	Closed – Removed
003	Diesel	6,000	05/01/1988	Not Reported	Closed – Removed
004-A	Gasoline	3,000	06/01/1977	11/01/1999	Closed – Removed
005-A	Gasoline	3,000	06/01/1977	11/01/1999	Closed – Removed

No reports of a UST release were included in the listing. Since the USTs have been removed and no spills have been reported, it is not anticipated that the proposed natural gas line installation will be impacted by these USTs.

Eight UST listings were reported within a ¼-mile of the Subject Property. No reports of a UST release were included in seven of the eight of the listings, with the exception of the Circle K gas station, located approximately 600 feet south of the proposed natural gas line route at 8578 Henry Clay Boulevard. The listing for Circle K included the following details:

Tank Number	Contents	Capacity (Gallons)	Install Date	Tank Status
001A	Gasoline/ Ethanol	20,000	07/17/2009	In Service
001B	Gasoline/ Ethanol	6,000	07/17/2009	In Service
002A	Diesel	6,000	07/17/2009	In Service
002B	Kerosene	3,000	07/17/2009	In Service

Releases associated with Circle K are discussed in the NY SPILLS database section below.

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AST (Aboveground Storage Tanks)

The Subject Property was listed in the AST database for the Town of Clay Offices, located within a section of the proposed natural gas line route at 4483 State Route 31. The database included two different tanks with the number 008, and is accurately reflected in the table below. Seven ASTs were included in the listing with the following details:

Tank Number	Contents	Capacity (Gallons)	Install Date	Tank Status
005	Waste Oil	275	05/08/2007	In Service
006	Waste Oil	275	05/08/2007	In Service
007	Lube Oil	275	01/04/1992	In Service
008	Diesel	275	01/04/1992	In Service
008*	Diesel	6,000	01/10/2008	In Service
009	Gasoline	Not Reported	Not Reported	Closed – Removed on 12/01/1999
Not Reported	Gasoline	3,000	01/10/2008	In Service

No reports of releases were included in the listing. It is not anticipated that the proposed natural gas line installation will be impacted by the presence of these ASTs.

Six AST listings were reported within a ¼-mile of the Subject Property. There were no records for releases associated with four of the six AST listings, with the exception of the Circle K gas station and Buckeye Pipeline, which are discussed in the NY SPILLS database section below.

TANKS (Petroleum Bulk Storage Tanks)

The Subject Property was not listed in the TANKS database.

One TANKS listing was reported within a ¼-quarter mile of the Subject Property located at Clay Substation at 8811 Caughdenoy Road. The site status was listed as active within the petroleum bulk storage (PBS) program with an expiration date of April 9, 2024. No additional details were provided.

NY SPILLS (New York State Oil & Chemical Spills)

Eight listings in the NY SPILLS database were identified as being associated with the Subject Property. One listing at 8766 Brewerton Road was located within the Micron Campus portion of the Subject Property. The remaining listings were located within the proposed utility corridor routes. The incident details included:

- A spill of one gallon of hydraulic oil was reported at 8766 Brewerton Road at Pole 413 on September 23, 2019. It was noted that cleanup was in progress. No other details were provided.
- A spill of 15 gallons of gasoline was reported at Verplank Road and Caughdenoy Road due to a traffic accident on December 6, 1998. It was reported that a resident

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was concerned about well water being contaminated. No additional details were provided.

- Teddy Bear Gas Station, located at 4541 State Route 31, was listed with a spill date of May 28, 1998, with no additional information provided regarding spill type or quantity.
- Clay Highway Garage, located at State Route 31 and Henry Clay Boulevard, was listed for a spill of 10-20 gallons of diesel fuel. Remarks included, "town employees spilled fuel while attempting to remove water." It was noted that the town applied sand and swept up debris. The Clay Highway Garage was also listed on May 9, 2008, due to traces of gasoline encountered during a subsurface investigation. NYSDEC was contacted, and it was noted the contamination was related to USTs in the area.
- Town of Clay DPW, located at 4483 State Route 31, was listed with a spill date of November 17, 1999, due to gasoline contamination discovered upon removal of one 3,000-gallon tank and one 4,000-gallon tank.
- A spill of two gallons of hydraulic oil was reported at 4483 State Route 31 on July 17, 2014, due to equipment failure on a commercial vehicle. It was reported the spill was on a paved surface and a clean-up crew was being dispatched.
- A spill of four gallons of hydraulic oil was reported at Route 31 and Burnet Road due to a hydraulic line failure on a vehicle on September 29, 2000. It was reported that all the spilled material was recovered. No other details were provided.

Twenty-three additional listings were reported within ¼-mile of the Subject Property. Several listings were attributed to hydraulic and transformer oil spills at the Clay Substation located across Caughdenoy Road to the west of the Subject Property. Of these, one listing was reported to have released one gallon of PCB-containing transformer oil in 1993. Several listings were associated with releases due to car accidents on Verplank Road and State Route 31. Most of these spills were minor and localized and are not anticipated to have affected the Subject Property; however, there is a potential for residual petroleum contaminated soil and/or groundwater to be present at locations along these roadways. Additional notable listings are discussed below:

- A&P Salvage Yard, located east-adjacent to the south finger, was listed for direct discharge of fluids to a drain grate, soil, and groundwater.
- Buckeye Pipeline, located approximately 650 feet southwest of the proposed utility infrastructure/rail spur site at 4975 State Route 31, was reported to have released an estimated 3,000 gallons of No. 2 fuel oil due to a ruptured underground pipeline on June 26, 2004. Remarks included, "Fire department and hazmat are on scene. Nearby wetlands may be affected." The spill was closed on October 19, 2005. This address is the current location of Freight Yard Brewing.
- D.V. Sotherden, located approximately 650 feet southwest of the proposed utility infrastructure/rail spur site on State Route 31, was listed for a spill of No. 6 fuel oil to surface water on February 20, 1987. The quantity of the spill was not provided. Remarks included, "Ron Hansel brought tanks into site with sludge in their bottoms. Product found in creek rear of Southerden property."
- Three listings were related to Circle K gas station at 8578 Henry Clay Boulevard. The station was listed with a date of February 16, 2019, related to gasoline with the remarks, "out of tolerance report. Spill closed 2/16/2023, facility inspected under

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subsequent routine periodic PBS inspection and found to be satisfactory." No other spill information was provided. The station was listed with a date of March 25, 2019, related to kerosene with the remarks, "10-day reconciliation off by 5 gallons. Has rectified. Incorrect BOL – shorted on delivery." No other spill information was provided. The station was listed with a date of July 17, 2019, due to a gasoline tank test failure with the remarks, "10-day variance report exceeded allowable limit. Spill closed 2/16/2023, facility inspected under subsequent routine periodic PBS inspection and found to be satisfactory." No other spill information was provided.

SPDES (State Pollutant discharge Elimination System)

The Subject Property was identified in the SPDES database under two listings as "Clay-Dewitt #3 115KV Maintenance Proj." under permit number NYR10U386 and "Town of Clay" under permit number NYR20A395, presumably related to the transmission lines along the northern portion of the Subject Property. No other information was provided.

7.2.3 Local

AKRF completed FOIL requests for environmental related files from the Town of Clay Town Clerk and the Town of Cicero Records Access Officer. At the time of this report, the Town of Clay and the Town of Cicero have not responded with any files related to the Subject Property. Should any files become available that would change the findings listed in this report, a report addendum will be provided with the new information.

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8.0 INTERVIEWS

8.1 Interview with Owner

The owners were unavailable for interview.

8.2 Interview with Site Manager

An Environmental Site Assessment Questionnaire was submitted to Mr. Robert Petrovich, Executive Director of the owner, OCIDA. A copy of the Questionnaire is included in Appendix E. Mr. Petrovich provided the following pertinent information:

- The property consists primarily of single-family residential properties, vacant/rural land, and former agricultural land, one commercial parcel (model home dealership), and one community services parcel (religious/church).
- Mr. Petrovich had no knowledge of any existing contamination at the Subject Property.
- Mr. Petrovich knew of no threatened, pending, or current litigation associated with the Subject Property.
- Mr. Petrovich knew of no environmental liens, notifications, or violations associated with the Subject Property.

8.3 Interview with Occupants

The Subject Property residential parcels were vacant, and no former occupants were available to be interviewed. An interview was conducted with Mr. Frank Marinelli, the construction manager of American Homes of Syracuse model home dealership, during the site inspection on September 1, 2023. Mr. Marinelli has been associated with American Homes of Syracuse for approximately 20 years and provided the following pertinent information:

- Mr. Marinelli knew of no environmental permits, notifications, or violations associated with the property.
- Mr. Marinelli had no knowledge of any existing contamination or history of spills at the property.
- Mr. Marinelli noted that the model homes on display are not connected to any utilities other than aboveground electric.
- Mr. Marinelli noted that the office space is connected to public sewer, water, and electric. Mr. Marinelli had no knowledge of any tanks located on the property.

8.4 Interview with Local Government Officials

AKRF completed FOIL requests for environmental related files from the Town of Clay Town Clerk and the Town of Cicero Records Access Officer. At the time of this report, the Town of Clay and the Town of Cicero have not responded with any files related to the Subject Property. Should any files become available that would change the findings listed in this report, a report addendum will be provided with the new information.

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9.0 OCWA TRANSMISSION LINE – UTILITY CORRIDOR

A desktop review was performed for the extent of the existing OCWA transmission line from its origin on the Oswego shore of Lake Ontario to its intersection of the Micron Campus at the southern portion of the Subject Property (Figure 3). The OCWA transmission line includes an existing water supply line. A search of available environmental records was performed by EDR for this approximately 22-mile section of the OCWA utility corridor, which is included in Appendix D.

The target property was listed in the RCRA, ECHO FINDS, Cooling Towers, Risk Management Plan (RMP), and SPDES databases. These listings included transmission line properties at the Oswego shore, and at several locations along the span of the line. The RCRA listing was for a conditionally except small quantity generator disposal of an unreported waste. The ECHO report indicated that no violations were identified. The FINDS listing did not include any details associated with violations or a release of contamination. The RMP database was for chlorine storage and treatment at the water treatment plant. The cooling towers and SPDES databases were related to a terminal reservoir, included information on air conditioning and stormwater discharge, and did not indicate the handling of hazardous materials.

The remaining listings (approximately 150) include properties that are listed in RCRA (SQG, LGQ, VSQG, Manifest), ECHO, FINDS, NY SPILLS, EDR Historic Cleaners, EDR Historic Auto, AST, UST, and SPDES, and the properties were located adjacent to, and up to 1/8-mile from the water transmission line location. There were no listings that included documented gross contamination or an assumed immediate threat to the transmission line property. The listings indicated that the environmental concern is related to the potential for contamination to be present in soil and/or groundwater within the transmission line easement area. The potential for contamination would be associated with spills or mishandling of hazardous materials/wastes for certain properties and uses (gas station, vehicle maintenance and repair, dry cleaning, etc.) adjacent to or near the water transmission line.

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10.0 LIMITATIONS

This assessment met the requirements of the ASTM as established by ASTM Standard E1527-21. The following limitations should be noted:

- Results of this investigation are valid as of the dates on which the investigation was performed.
- No sampling was performed as part of this assessment.
- The property area history review was not conducted in five-year intervals. However, sufficient information about the history of the Subject Property and surrounding area could be obtained from the available aerial photographs, city directories, and local records, and this data gap is not likely to alter the conclusions of this report.
- The former tenants of the Subject Property were not available to be interviewed.
- The proposed natural gas line and industrial wastewater force main utility corridors, which are located west of the greater Micron development area, included a database review and limited site reconnaissance by utilizing sight lines of the utility routes from public roadways.
- The existing 22-mile OCWA 54-inch water transmission line running from the Subject Property to Lake Ontario only included a database review, with no site inspection.

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11.0 DEVIATIONS

The User did not request any deviations from the ASTM Standard for the assessment completed for the Subject Property.

Included in this report is a review of utility corridors. The proposed natural gas line and a proposed industrial wastewater force main route, which are located west of the greater Micron redevelopment area, included a database review and limited site reconnaissance by utilizing sight lines from public roadways. The 22-mile Central New York Water Authority (OCWA) 54-inch transmission line, which runs from the Subject Property to Lake Ontario, included a database review with no site inspection.

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12.0 DATA GAPS

Section 3.3.20 of ASTM Standard E1527-21 defines a data gap as the inability to obtain information required by the ASTM Standard despite good faith efforts to obtain applicable data. Data gaps may result from incompleteness in any of the activities required by the ASTM Standard. While limitations to this report are described in Section 10.0, there were no data gaps identified where the absence of information would materially change the findings of the assessment.

The proposed natural gas line and a proposed industrial wastewater force main route, which are located west of the greater Micron redevelopment area, included a limited assessment scope with a database review and limited site reconnaissance by utilizing sight lines from public roadways. The 22-mile Central New York Water Authority (OCWA) 54-inch transmission line, which runs from the Subject Property to Lake Ontario, included a database review with no site inspection.

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13.0 CONCLUSIONS

AKRF, Inc. (AKRF) was retained by Micron Idaho Semiconductor Manufacturing (Triton) LLC ("Micron" or User) to perform a Phase I Environmental Site Assessment (ESA) of the collection of mostly vacant parcels within the area generally bounded by Burnet Road to the west, Brewerton Road to the east, State Route 31 to the south, and vacant agricultural and forested land to the north in the Town of Clay, Onondaga County, New York (the "Micron Campus"). The Phase I ESA also included two parcels on Caughdenoy Road – an approximately 30-acre parcel referred to as the proposed childcare site and an approximately 37-acre parcel referred to as the proposed utility infrastructure/rail spur site. The described collection of properties are herein referred to as "the Subject Property."

AKRF understands that the Subject Property encompasses a portion of the greater Micron redevelopment area, which extends west of Burnet Road and includes approximately 800 additional acres. AKRF previously conducted a Phase I ESA for these additional parcels in June 2023.

The Subject Property consisted of 42 parcels totaling approximately 680 acres. Historically, 24 parcels were used for residential purposes, 14 parcels were vacant land, three parcels were used for agriculture, and one parcel was used for commercial purposes. The Subject Property includes parcels that are currently owned by or are under contract to be purchased by Micron. Section 2.1 of this report includes a table describing each parcel associated with the Subject Property. Currently, 23 parcels were listed as residential, 17 parcels were listed as vacant, and one parcel was listed as commercial containing a modular home dealer. The eastern portion of the Micron Campus includes two "fingers" that extend to Brewerton Road (US Route 11) and are intended to serve as a means of access. They are referred to herein as the "north finger" and "south finger". The greater surrounding area primarily consists of rural residential and vacant properties to the north and south, rural residential, vacant land, industrial, and municipal properties to the west, and rural residential, vacant land, and commercial properties to the east of the Subject Property.

In addition to the Phase I ESA of the Subject Property, this report includes an assessment of proposed utility corridors. A proposed natural gas line route and a proposed industrial wastewater force main route, which are located west of the greater Micron development area, included a database review and limited site reconnaissance by utilizing sight lines of the utility routes from public roadways. A database review (no site inspection) of a third utility corridor, which included the existing 22-mile Central New York Water Authority (OCWA) 54-inch transmission line running from the Subject Property to Lake Ontario, was also included as part of this assessment.

The objective of this assessment was to identify any potential environmental concerns associated with the Subject Property resulting from past or current usage of the Subject Property or neighboring sites. This Phase I ESA for the Subject Property was performed in conformance with both American Society for Testing and Materials (ASTM) Standard E1527-21, *Standard Practice for Phase I Environmental Site Assessments*. Any exceptions to, or deletions from, this practice are described in Sections 10.0, 11.0, and 12.0 of this report.

The term Recognized Environmental Condition (REC) means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any 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. The term Historical Recognized Environmental Condition (HREC) means a past release that has been remediated to below "residential" standards and given regulatory closure with no use restrictions. There are also definitions for Controlled REC (CREC), which indicates that there is known contamination that is being managed by use restriction or mitigation controls, and De Minimis Condition. A De Minimis Condition is defined as an

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environmental concern that is not a threat to human health or the environment and would not be subject to enforcement action.

This assessment did not reveal any HRECs, or CRECs at the Subject Property. A summary of the assessment findings is presented below:

Recognized Environmental Conditions – Subject Property

- The documented and/or potential underground storage tanks (USTs) at Parcel 21, 26, and 27 is considered a REC due to the lack of operation and closure data, and the unknown status regarding a release of heating oil to the subsurface.

Recognized Environmental Conditions – Utility Corridors

- The City of Clay DPW property and the Circle K gasoline station, which are located adjacent to the proposed natural gas utility corridor, have documented database information that indicates a risk of a release of contamination. Any earthwork conducted along the proposed natural gas line and adjacent to these properties has the potential to encounter soil and/or groundwater contamination.

Recognized Environmental Conditions – Off-Site

- A trio of properties, including Sam Dell Chrysler Jeep, Donaghue Dodge, and A&P Auto Parts and Salvage Yard, are located east-adjacent to the south finger. These properties are listed in multiple databases, including the generation and disposal of hazardous waste, with the salvage yard being listed for direct discharge of vehicle fluids to a drain, soil, and groundwater during vehicle demolition.

De Minimis Conditions

- Various small quantity containers of household-type cleaners, chemicals, gas cans, paint containers, miscellaneous building materials (i.e., roofing materials, wood, concrete blocks), and debris were observed in piles at several properties.
- Historical agricultural practices may have involved the application of pesticides and/or herbicides.
- Historical reports indicate the potential for additional heating oil aboveground storage tanks (ASTs) and USTs at former residences within the Subject Property. A potential exists to encounter unknown tanks for petroleum contaminated soil in the subsurface during earthwork.
- Parcel 39, located within the north finger on Brewerton Road, is listed as commercial and currently contains the American Homes of Syracuse model home dealership. The property consists of a business storefront, several model homes, a storage shed, and an exterior hydraulic lift area situated on a concrete pad. The hydraulic lift contained above grade lift mechanisms and no observable signs of below grade hydraulic tanks. A 5-gallon bucket of hydraulic oil, consistent with recreational vehicle (RV) or diesel engine maintenance, was observed in the vicinity of the lift. Dealership representatives indicated that vehicle maintenance was not a part of their general services, and the lift was use sporadically for maintenance on company vehicles. Various stored materials were observed in the storage shed with no signs of staining or potential releases. No signs of staining or potential releases were observed in the vicinity of the hydraulic lift. Any fluid/waste mishandling from maintenance activities could results in a release of contamination to the surrounding soil.
- Cicero Wood Recovery, located 800 feet south of the north finger, was listed in the NY SPILLS, RCRA Manifest, FINDS, and ECHO databases. Wood recovery can include the use of solvents stripping of coatings over the wood. Any releases due to the mishandling of wastes has the potential to affect the Subject Property.

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Other Environmental Concerns

- Two airfields, including the former Michael Airfield, located south adjacent to the south finger, were noted. Airfields and airport properties have a history of manufacturing/using aqueous film forming foam (AFFF) as a part of fire suppression for liquid based (oil, gas, etc.) fires. AFFF is concerning as it contains PFAS. Any discharge of AFFF to the ground as part of training or active fire suppression is considered an environmental concern due to the location and proximity to the Subject Property.
- According to data compiled by the New York State Department of Health, Onondaga County has an average indoor radon measurement of 8.02 picocuries/liter based on radon testing of over 9,000 homes. The USEPA recommended action level is 4.0 picocuries/liter. Onondaga County is considered a High-Risk County for radon in New York State.
- No obvious signs of ACM were observed at the remaining vacant residential structures at the Subject Property; however, ACM may be present in some building materials including, but not limited to, vinyl floors and mastics, roofing materials, drywall and associated joint compound, thermal pipe insulation, and caulking and glazing. Prior to implementing an activity that could disturb suspect ACM (e.g., renovation or demolition), a NYS-certified asbestos inspector should inspect the areas and conduct testing, as necessary, to determine whether the activity would disturb ACM. Any such ACM must be removed prior to the activity.
- Based on the ages of the vacant residential structures remaining at the Subject Property, the structures could potentially contain lead-based paint.

Recommendations

- For future development plans that include earthwork on the Property, appropriate measures should be conducted to ascertain environmental conditions in the areas where soil disturbance is anticipated. The investigation should evaluate whether pesticides and/or herbicides exist as a result of past agricultural use, soil quality in areas surrounding petroleum storage or debris piles, areas where adjacent properties have documented contamination, and for general soil characterization/handling during construction. Soil excavated as part of any proposed development activities should be managed in accordance with all applicable regulations. If areas of soil contamination, unforeseen tanks, buried debris, or other materials are discovered, they should be delineated, remediated, and/or removed in accordance with all applicable regulations. Soil intended for off-site disposal should be tested in accordance with the requirements of the intended receiving facility, and transportation of material leaving the Property must be in accordance with federal, state and local requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc. Preparation of a Soil & Materials Management Plan should be considered for documenting the measures and procedures for the tasks listed above, including contingencies for encountering unknown tanks and contaminated soil.
- If petroleum tanks are encountered during any excavation completed for future construction, they should be closed and removed, along with any contaminated soil, in accordance with applicable requirements. Any evidence of a petroleum spill should be reported to NYSDEC and addressed in accordance with applicable requirements. If tanks are discovered, they should be properly registered, if required, with the NYSDEC.
- A pre-renovation or pre-demolition ACM survey should be performed prior to any disturbance of suspect ACM, and any ACM with the potential to be disturbed during any renovation or demolition activities, should be removed and disposed of in accordance with local, state and federal requirements. ACM should be maintained in good condition in accordance with applicable regulations.

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- All future demolition or renovation activities with the potential to disturb lead-based paint should be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62—*Lead Exposure in Construction*).
- Radon levels should be tested in accordance with applicable regulations to determine whether mitigation is warranted for any future on-site development.

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14.0 SIGNATURE PAGE

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

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 performed all the appropriate inquiries in conformance with standards and practices set forth in 40 CFR Part 312.

Marc S. Godick, LEP
Senior Vice President

Bryan Zieroff, CPG, LEP
Senior Technical Director

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15.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the Subject Property, and to identify existing and/or potential environmental problems associated with the Subject Property.

The assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in accordance with ASTM Standard E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice.* It is intended for use as a supplement to the project site appraisal and is only to be used as a guide in determining the possible presence or absence of hazardous materials on the Subject Property at the time of the inspection. This assessment is based upon the review of readily available records relating to previous use of both the project site and the surrounding area, as well as a visual inspection of the current condition of the project site. Environmental characteristics at this site and surrounding sites may be subject to change in the future.

This Phase I Assessment is not, and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances, which can be made only with testing, and contains no formal plans or recommendations to rectify or remediate the presence of any hazardous substances which may be subject to regulatory approval. This report is not a regulatory compliance audit.

This report is based on services performed by AKRF, Inc. professional staff and observation of the project site and its surrounding area. We represent that observations made in this assessment are accurate to the best of our knowledge, and that no findings or observations concerning the potential presence of hazardous substances have been withheld or amended. The research and inspections have been carried to a level that meets accepted industry and professional standards. Nevertheless, AKRF and the undersigned shall have no liability or obligation to any party other than Micron Idaho Semiconductor Manufacturing (Triton) LLC and their successors or assignees, and AKRF's obligations and liabilities to the above, their successors or assignees is limited to fraudulent statements made, or negligent or willful acts or omissions.

PRELIMINARY DRAFT

DRAFT

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16.0 REFERENCES

1. Environmental Data Resources, Inc.; 6 Armstrong Road, Shelton, Connecticut; Area / Corridor Report; August 16, 2023.
2. Environmental Data Resources, Inc.; 6 Armstrong Road, Shelton, Connecticut; Historical Topographic Map Report; April 11, 2023.
3. Environmental Data Resources, Inc.; 6 Armstrong Road, Shelton, Connecticut; Aerial Photograph Report; August 18, 2023.
4. Ramboll Americas Engineering Solutions, Inc., Combined Transaction Screen Assessments and Phase I Environmental Site Assessments, 2019-2021.

PRELIMINARY DRAFT

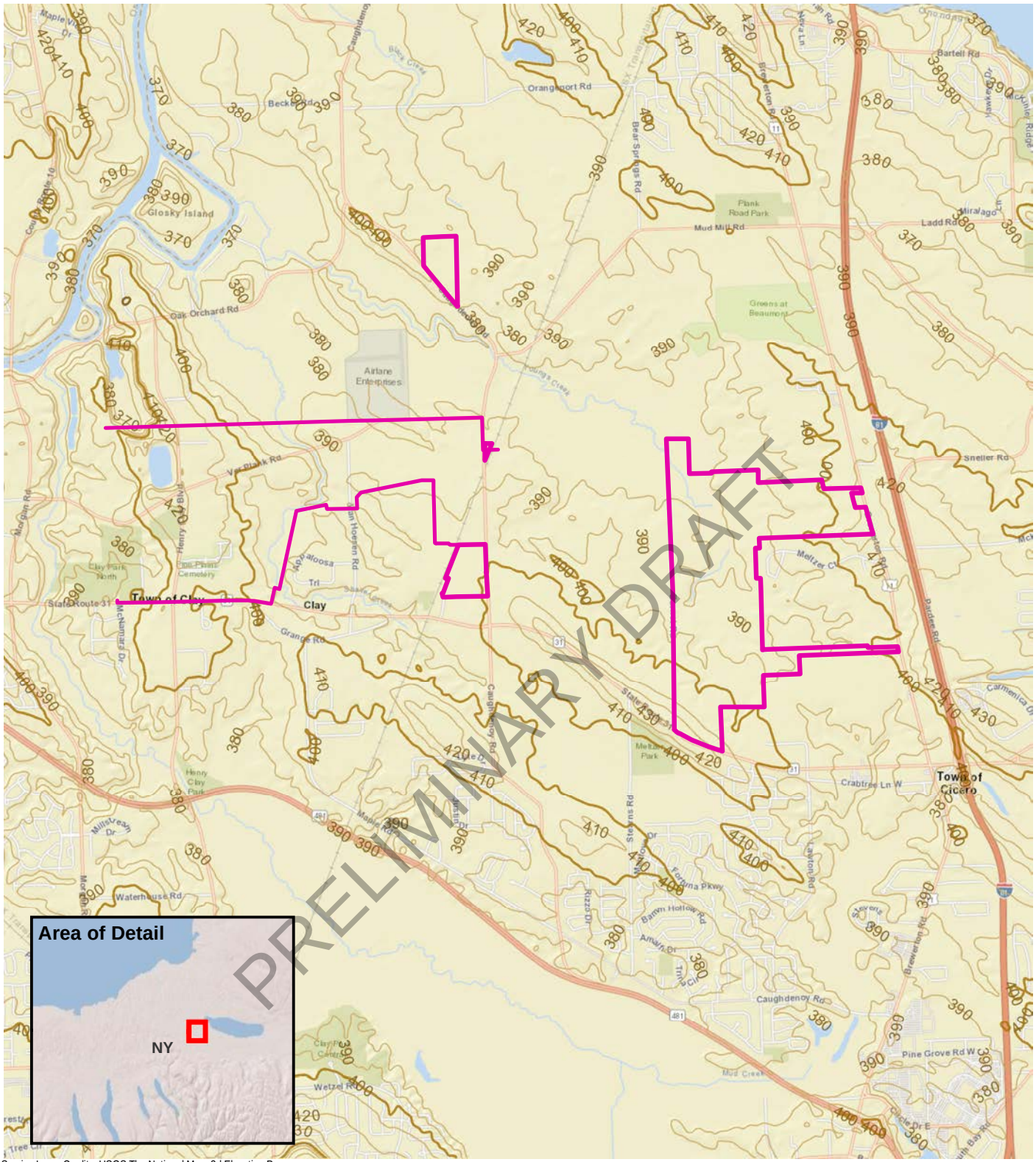
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FIGURES

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Service Layer Credits: USGS The National Map: 3d Elevation Program, Data Refreshed July, 2021

LEGEND

SUBJECT PROPERTY

0 4,000 8,000

SCALE IN FEET

AKRF

440 Park Avenue South, New York, NY 10016

Micron Clay Fab Facility
Clay, New York

SUBJECT PROPERTY LOCATION

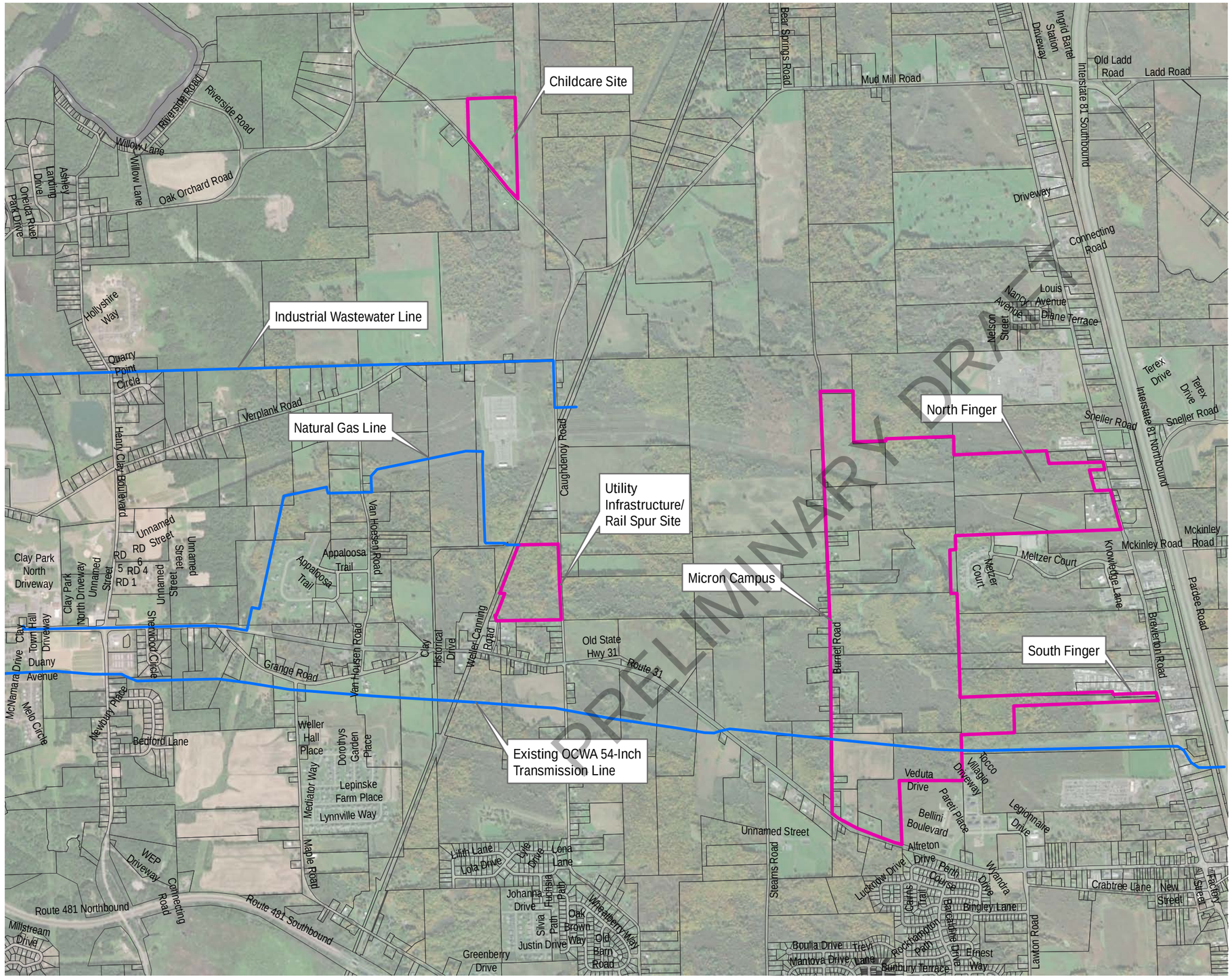
DATE
10/24/2023

PROJECT NO.
220350

FIGURE
1

©2023 AKRF Q:\Projects\220350 - MICRON - CLAY FAB FACILITY\Technical\GIS and Graphics\SAR\220350 Fig 1 Subject Property Location.mxd10/24/2023 4:07:56 PM mvelleux

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LEGEND

- SUBJECT PROPERTY
- TAX LOT BOUNDARY
- UTILITY LINES

N

0 2,000 4,000

SCALE IN FEET

Aerial Source:
ESRI World Imagery Dec 2022.

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Q:\Projects\220350 - MICRON - CLAY FAB FACILITY\Technical\GIS and Graphics\SAR\220350 Fig 2 Site Plan and Parcel Locations.mxd10/27/2023 1:53:17 PM mvellieux

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Clay, New York

SITE PLAN AND PARCEL LOCATIONS

DATE
10/27/2023

PROJECT NO.
220350

FIGURE
2

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N

LEGEND

SUBJECT PROPERTY

0 12,000 24,000

SCALE IN FEET

Aerial Source:
ESRI World Imagery Dec 2022.

©2023 AKRF Q:\Projects\220350 - MICRON - CLAY FAB FACILITY\Technical\GIS and Graphics\SAR\220350 Fig 3 OCWA Water Transmission Line.mxd10/27/2023 2:20:07 PM mvelleux

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Clay, New York

OCWA WATER TRANSMISSION LINE

DATE
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FIGURE
3

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Left to Right: Clarence, Father of Carl Frank, Father of Don

Sotherden Beginning

Posted on July 23, 2019

REMEMBERING CLAY: TheSotherden Beginning

As we patiently await the grand opening of the freight Yard Brewery Tap Room to be located on the property of the Old Sotherden Mill, let's go back to the very beginning to see how it all evolved. James Sotherden was born on November 11, 1815 in the County of Kent, England of Puritan stock whose ancestors opposed the tyrannical rule of Charles I. He had two brothers and three sisters whom he left behind when he met and married the prettiest lass in the county, Ann Sears. In 1939, the young couple came to America and settled in North Syracuse. After two years, he bought four acres

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from Zenas Rogers who owned much land in Clay. Clearing the forest from the land, James built a log house and a barn. He soon bought about 50 more acres from Zenas and a large frame house was built where they raised their six sons and two daughters.

On November 14, 1907, a 92nd birthday party for James was held. A general invitation was sent to all states where his descendants resided. Thirty-seven attended. After dinner at 1:00 p.m., the rest of the day was spent playing games and talking about the good old days. Many letters of regret were sent by those unable to attend. A photo shows James, his son John, his grandson Alvin and his great-grandson Master Howard Sotherden. (They are the ancestors of Jim Sotherden – more later). Others who attended were: Mrs. Mary Edmonds Sotherden; Mrs. Alvin Sotherden; Mr.amd Mrs. John Sotherden; Mr. John and Mrs. Margaret Sotherden Hesselton; Mr. Howard Sotherden; Mr. and Mrs. 'Thomas C. Sotherden; Mr. Valentine and Mrs. Lillie May Sotherden Brand; and their sons, William, Jesse and Ray; Mr. and Mrs. John W. Sotherden and sons, Willard 3 and Burton 1; Mrs. Anna V. Sotherden Baxter and sons Howard and Clayton age 9; Miss Eva Sotherden; and Mrs. Clarence Sotherden with daughter Marion 5 and son Maurice 3. All are on the Family Chart. Those attending but not on the chart were: Mr. and Mrs. Charles Wright; Mr. and Mrs. William Wilson and daughter Ruth; and Mrs. Louis I. Hand. Those attending from the Sotherden Mill branch and on the chart were: Mr. and Mrs. George Sotherden and Frank Sotherden at 28 years of age and single.

Following is a short aside of how Jim Sotherden fits into the story. One spring afternoon in 1994, Jim was waiting for a prescription to be filled at a pharmacy in Seneca Mall when he heard the name Sotherden called and an elderly woman answered. It was Martha and the two began to talk. This led to an invitation to visit Martha and her husband Carl. Martha is from James' son Thomas and Carl through his son George to Clarence. Jim, Carl and Martha met weeks later with Jim's mother, father and son. Jim's father Howard, who was the little boy in the 92nd birthday photo and Carl were first cousins. They reminisced about growing up in Clay. Martha brought out a copy of the 1907 article and photo of the 92nd Birthday party for James Sotherden. Jim related to them his interest and research on where William, James' son born in 1850 was buried. Conflicting stories of how he died in the Civil War and where he was buried were discussed because Carl had first-hand research information. This

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provided Jim with background to continue his research for several years. Clarence, Carl's father and Frank, Don's father are brothers so Carl and Don are first cousins. (See Photo) Clarence is on the left and Frank is on the right.

Frank was born in 1881 and attended the Euclid grade school just south of Route 31. His brother, Clarence was two years older and a brother Charles only lived to the age of 15. He attended the Phoenix High school after which he took teacher training at a school in Baldwinsville. He was paid $5.50 per week and out of this he paid $1.75 a week for room and board. He also taught at Buckley Road and Hastings Center schools. His career as a teacher ended in 1905 at that time making $10.00 per week which was top pay for a district school teacher. In April of that year, he was appointed Mail Carrier for Route 2 in Clay. In 1910, he married Albie VerPlanck. The year Donald was born, 1912, Frank purchased a Model T Ford. This was the first time a car was used locally to deliver mail. It had to be cranked by hand to start, had oil burning tail lights and acetylene head lights. He was required to have special permission from the Assistant Post Master General to use a car on his mail route. He had to agree to keep horses on hand to be used if anyone complained of irregular service with a car. (To be continued).

Dorothy Heller, Historian
7-5-2019

Other Remember Clay Stories

(/departments/historian/remembering-clay/sotherdens-part-ii)

The Sotherden's Part II

Remembering Clay* | *Sep 24, 2018

REMEMBERING CLAY

The Sotherden Beginning Part II

(/departments/historian/remembering-clay/influence-natives-part-ii)

Influence of Natives - Part II

Remembering Clay* | *Nov 17, 2018

REMEMBERING CLAY

Clay Settlers-Influence of Natives (Part II)

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(/departments/historian/remembering-clay/nathan-soule-part-ii)

Nathan Soule Part II

Remembering Clay* | *Apr 29, 2017

REMEMBERING CLAY

Nathan Soule's Life in Clay (Part II)

(/departments/historian/remembering-clay/hiram-sharp) I

Hiram Sharp

Remembering Clay* | *Aug 27, 2014

Hiram Sharp: The Life Adventure of a Local Clay Boy

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The Sotherden's Part II

Posted on September 24, 2018

REMEMBERING CLAY
The Sotherden Beginning Part II

As a mail carrier, Frank bought a farm but continued to carry mail until 1917. The big white farm house is still standing on the corner of Route 31 and Caughdenoy Road. Before we itemize all his civic, business, and social involvements, I must recount his church activities.

After marrying Abie VerPlanck, he became very active in Immanuel Lutheran Church then on the corner of Caughdeoy and VerPlanck Roads. (It may be the other way around, and that he met her when he joined the church!) He was totally involved with running of the church. He was superintendent of the sunday school for three years, which he really enjoyed as he was starting his own family by this time – Donald in 1912 and Lucy Etta in 1918. This was the period of time when the church leaders, with Frank in the lead, decided to move the congregation to Route 31 to be closer to the center of business activities and the Railroad Station.

In 1915, the old edifice was torn down and as much of the material was saved as possible to be used for the new building. While Frank led the building committee and the congregation in its program of construction, they met in Weller Hall next door (Now the church parking lot). The new edifice was completed and dedicated in 1916 and is still going strong. Although there were many rough years without a pastor. Frank served as a member of the church council, as treasurer, as chairman of the pulpit committee and vice chairman of the council. He took charge during pastoral vacancies by occupying the pulpit and bringing the Sunday message to the assembled congregation. He and his wife, Abie, set up the endowment fund to give scholarships

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to potential college students who were members of the congregation. For many years the congregation looked to Frank to keep things going, especially during the depression years.

In 1920, Frank was elected Justice of the Peace for the town of Clay. From there, he was elected Town Supervisor of Clay in 1922. He held this position until August of 1935. However, in 1924 Frank bought the feed and coal business on Route 31 across the railroad tracks from Immanuel Church. He made many improvements, tearing down the wooden structure and adding to the present cinder block building. They serviced all the farmers of the area and provided everything they needed. They ground their grains and stocked all farm equipment and animal feed. It was called the Sotherden Feed and Fuel Co. and shipped supplies for the war effort during World War II. He was secretary of the Onondaga Highway Department for ten years. During this time, he purchased the International Harvester Corp dealership on Genessee Street. In 1945, he was working at the Onondaga County Court House.

A side interest beginning in the 1920's was starting the Cicero State Bank as one of its original directors. It was called M and T Bank. He was Secretary and President at the time it merged with Merchants National Bank. Other activities included belonging to the Clay Volunteer Fire Department for 30 years; a member and past master of the Centerville Masonic Lodge of North Syracuse; the Scottish Rite Bodies; and Tigris Shrine; and, a member of the East Clay Grange. Frank retired as president of DV Sotherden, Inc. in the early 1950's, but was still involved in many of the above activities. One last activity was his applying for membership in the General Society of Mayflower Descendants founded 12 January 1897. He was accepted and became a Mayflower Descendant on March 7, 1967. Frank passed away in his sleep May 20, 1971. His son, Donald, was in full charge of the Mill. (To be continued)

Dorothy Heller, Historian
8-2-2019

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Other Remember Clay Stories

(/departments/historian/remembering-clay/french-and-indian-war)

French and Indian War

Remembering Clay* | *Mar 29, 2019

REMEMBERING CLAY

French and Indian War

(/departments/historian/remembering-clay/crops-sotherden-farms)

Crops on the Sotherden Farms

Remembering Clay* | *Jun 3, 2019

REMEMBERING CLAY

Crops on the Sotherden Farm

(/departments/historian/remembering-clay/steamboats)



Steamboats

Remembering Clay* | *May 10, 2016

REMEMBERING CLAY

Steamboats on Oneida Lake and Oneida River*

(/departments/historian/remembering-clay/hamlet-euclid)

Hamlet of Euclid

Remembering Clay* | *Jun 12, 2019

REMEMBERING CLAY

Hamlet of Euclid*

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NY 13041

Highway Building

4483 Route 31, Clay, NY 13041

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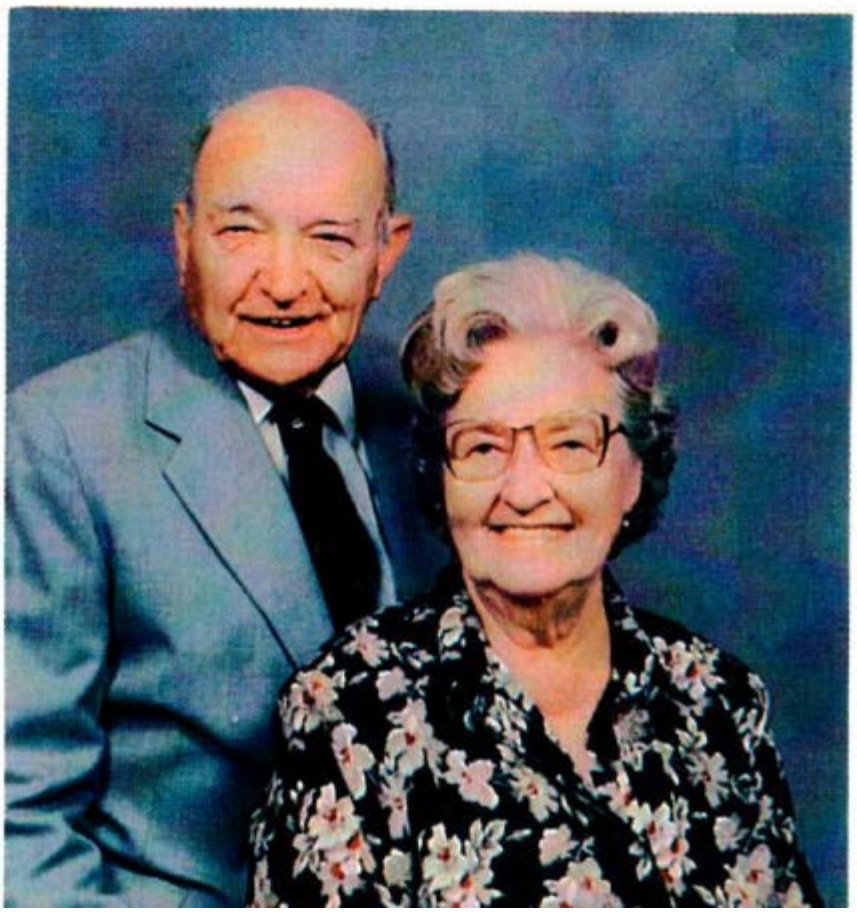
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The Sotherden's Part III

Posted on September 27, 2018

REMEMBERING CLAY

The Sotherden Story Part III

Donald became president of D. V. Sotherden, Inc. when his father, Frank, retired from the company in the 1950's. It was the former Sotherden Feed and Fuel Co. Donald had met his wife to be, Lucile Spencer, soon after high school graduation on a week-long camping trip to the Adirondacks. Lucile was a guest of the other family that went with the Sotherdens. She went to Syracuse University and Donald went to St. Lawrence University. Even though they didn't see each other for several years, they must have kept in touch for they became engaged in their

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senior year. They both graduated in June of 1936, Donald with a bachelor's degree in Economics. In July, they were married in Lucile's parents home in Phoenix. The couple had four children: Stephen, who now lives on Oneida Lake in the house that he remodeled from the old family camp; Jean (Sotherden) Clune who lives in Hot Sulphur Springs, Colo.; Ann (Sotherden) Bunyan of Loveland, Colo.; and Gary Frank, who was lost in Alaska at the age of 25. They brought up their family in the Sotherden homestead on Route 31.

Donald continued his father's interest in Immanuel Church, mainly with the young people by establishing the Frank and Abie Sotherden Fund for scholarships to college. Also, he donated for special youth work in Immanuel and a church in Florida where he went in the winter. Like his father, Donald was always ready when the church needed financial help. Closer to home, when each of his grandchildren reached 14 years of age, he would take him/her on a three-week trip to the British Isles. This was the tradition begun by Frank who had taken each of his grandchildren on a month-long trip touring the countries of Europe.

His wife, Lucile, called him a workaholic because Donald was always into something. His list of activities seems endless. He was bank director for 36 years at Cicero State bank and later at Merchants National Bank; past master and member of Centerville Masonic Lodge 648, North Syracuse; a thrice potent master of the Scottish Rite Consistory in the Valley of Syracuse; a member of the North Syracuse Rotary, the Paul Harris Fellows and the Clay Volunteer Fire Department.

Personally, I feel that a major community involvement was his donation of the old Clay Railroad Station to the Clay Historical Association (CHA) for a Clay Historical Museum. He had bought it in 1963 for storage when Clay was no longer a freight or passenger stop on the schedule. For years the group had wanted a museum and in the 1990's, things began to happen. Donald worked with two church members who were also members of the CHA, the Town of Clay, and the Town Historian, Bud Lepinske. Merle Melvin donated 2.8 acres of land behind Immanuel Lutheran Church property. Ownership of this property and the station were turned over to the Town of Clay. This was the beginning of the Clay Historic Park.

By 1990, Donald began down sizing his business. First he discontinued the seed business and shut down the mill. He was one of the last two out of 25 in the area who discontinued selling coal. The last was the oil business which he sold to Oneida Lake Energy. For a couple years, Gary's Small Engine rented the Mill building. Then for several years, a Veterinary rented it who even serviced farm animals. Donald and Lucile enjoyed their last years at their home on Fay Park

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drive, with grandchildren and friends. Donald passed away on July 20, 1998 from injuries sustained in a car accident. Lucile sold the remaining property after Donald's death. The Sotherden name still lives on in the Town of Clay. (To be .continued)

Dorothy Heller, Historian
8-23-2019

Other Remember Clay Stories

(/departments/historian/remembering-clay/holland-exchange-student-remembers-clay)



Holland Exchange Student Remembers Clay

Remembering Clay* | *Feb 1, 2012

Last November I was invited to the wedding of Radha Bhageloe in Holland, a former exchange student from 1995 – 1996 who lived with us during her senior year at Phoenix High school.

(/departments/historian/remembering-clay/early-postal-system)

Early Postal System

Remembering Clay* | *Jun 13, 2019

REMEMBERING CLAY

Early Postal System

(/departments/historian/remembering-clay/reminiscing-carl-sotherden)

Reminiscing with Carl Sotherden

(/departments/historian/remembering-clay/influence-natives-part-i)

Influence of Natives Part I

Remembering Clay* | *Nov 16, 2018

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Remembering Clay* | *Feb 4, 2019

REMEMBERING

Reminiscing with Carl Sotherden

CLAY SETTLERS

Influence of Natives (Part I)

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The Sotherden's Part IV

Posted on September 26, 2019

REMEMBERING CLAY

The Sotherdens Part IV

In early 2013, I was contacted by Bryan Sotherden, the grandson of Donald and Lucile Sotherden, and his wife Lou with an idea. I had met them at Lucile's Memorial Service at Immanuel Lutheran Church and burial in Pine Plain Cemetery in 2011. Their idea was to start a craft brewery in the old Sotherden Mill building on the property on Route 31 across the tracks from the church. The building needed much refurbishing, repairs and TLC. They wanted to keep the theme of a

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historical Tap Room using as much of the original building and furnish it with authentic décor. While I waited for the legal procedures to give them ownership, I did some research on how the residents of Clay felt about the idea. Nearly all feedback was positive.

In 2014, they began. They started cleaning up the outside and cleaning out the inside. By 2015, they were ready to have their first Side Track Farmers Market of local farming products to introduce themselves to the neighbors. In 2016, they held a second Farmers Market with additional products including samples of craft beers. The farmers who participated are still friends and suppliers for the Market sales room, including maple syrup and honey. The last three years have been spent adhering to all the legal requirements, remodeling and furnishing the inside and landscaping and improving the outside of the property. The first opening to the public was on August 31 to celebrate my birthday. Once the “Open” sign was out, people crowded in. But, let’s see all the preparations made before that day.

The first step for the Sotherdens was a public meeting with the Clay Town Board to apply for a zone change from Industrial to Neighborhood Commercial so that they could have retail space to sell. That meant going to the Zoning Board of Appeals. They also had to get a variance because the building was too close to the present road. At the Planning Board Meeting they were required to have an application for their purpose and a full Site Plan with all changes and improvements they planned. The County Planning Board was concerned about water and ceptic infrastructure. No brewery was allowed at this time. The State DOT’s concerns were about right of way so a 250 foot sidewalk had to be installed. They needed a license from the State Liquor Authority so taxes could be collected. Their trade mark had to be approved by the U. S. Patent office, a costly item. The County Department of Health would not allow them to prepare food on the premises. Of course, they had to have insurance for their employees. The only agency who didn’t demand anything from the Sotherdens was the State DEC who said: “no approval needed!”

On the outside, the first project was a large parking lot where there once was a field of weeds and junk people would drop off. The local Wilcox Company paved it. It is all striped for parking spots and fenced with cascade hops climbing up the fence. The new entrance is very inviting. There is a walkway around the building. The new paint job on the building, cleaning of front bricks and new loading dock were done by Homestead Renovation.

Inside, while tearing out and replacing the walls, the old grain weighing scale was found; partly inside a wall and partly under the floor. It is near the receiving dock. There are two brand new unisex bathrooms. The ceiling is original with Carnegie beams. Lou has an office behind the bar

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with a Market room next door. The original windows are still intact and even some of the old venetian blinds. New paneling on some of the walls was made from the wood pallets which are manufactured behind the Tap Room building. The bar was made with reused supplies, mainly, pallets, by Steve, Bryan's father. Bar stools are large railroad springs with upholstered seats. Round bar tables are made from large brewery barrels and the tops made by Retro Joe. Steve also created four LED lighted mirrors emitting a change of colors, two small tables for two and more. Much was purchased on ebay, at estate sales, Craig's List and flea markets. Two railroad luggage wagons, two railroad benches and a conference table were refinished. The black and white old photos came from calendars created by the Clay Historical Association many years ago. Almost all furnishings were bought locally and at least in New York State. There is much more to see.

The present plan is to be open Friday, Saturday and Sunday through September. Look for the "open" sign out front. For information, contact Lou at {drink@freightyardbrewing.com} (mailto:%7bdrink@freightyardbrewing.com%7d)

Dorothy Heller, Historian

Photo of Lou and Bryan Sotherden by "J villegas Photography"

Other Remember Clay Stories

(/departments/historian/remembering-clay/reminiscing-carl-sotherden)

Reminiscing with Carl Sotherden

Remembering Clay* | *Feb 4, 2019

REMEMBERING

Reminiscing with Carl Sotherden

(/departments/historian/remembering-clay/french-and-indian-war)

French and Indian War

Remembering Clay* | *Mar 29, 2019

REMEMBERING CLAY

French and Indian War

(/departments/historian/remembering-clay/hiram-sharp)

(/departments/historian/remembering-clay/remember-clay-solomon-kittle-clay-

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Hiram Sharp

Remembering Clay* | *Aug 27, 2014

Hiram Sharp: The Life Adventure of a Local Clay Boy

civil-war-veteran)

Remember Clay - Solomon Kittle - Clay Civil War Veteran

Remembering Clay* | *Sep 6, 2017

REMEMBERING CLAY

Solomon Kittle – Clay Civil War Veteran

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APPENDIX F
ALL APPROPRIATE INQUIRY QUESTIONNAIRE

Environmental Site Assessment – Site Questionnaire
Micron Clay Fab Facility, Clay, NY

Please answer all questions to the best of your knowledge to support the findings of the Phase I Environmental Site Assessment (ESA) for the project site (the Property). Please call with any questions or comments.

AKRF Contact: Gwen Sivirichi
Office phone: 410-712-4848
Cell phone: 908-310-3512

Person completing questionnaire: Dan Richards

Relationship to the Property: Property Owner (Parcel 046-01.19.1)

Length of time associated with the Property: 10 yrs

1. Please provide:
   - The reason why the Phase I ESA is being performed. To complete the necessary environmental review requirements, as required by the New York State Environmental Quality Review Act (SEQRA) and National Environmental Policy Act (NEPA).
   - The type of property and type of property transaction (for example, sale, purchase, exchange, refinancing, etc.). Ownership of approximately 1.34 acres consisting of vacant land will transfer from the current property owner to Micron as part of a plan to construct a semiconductor manufacturing plant.

2. Please provide information regarding the history of the Property.
   Bought 2013. Made no improvements.

3. If the property is undergoing a transaction, does the purchase price being paid for the Property reasonably reflect the fair market value of the Property?

   ☐ Yes ☐ No ☑ N/A

   If you conclude that there is a difference, are you aware of whether the lower purchase price is because of an environmental issue or contamination that is known or believed to be present at the Property?
   NO

4. Are you aware of any former studies that have been conducted at the Property, including: geotechnical surveys, environmental site assessment reports, spill investigations/remediation reports, asbestos or lead abatement, former or current environmental permits, licenses, audits, investigations, community right-to-know plans, safety plans, preparedness and prevention plans, spill prevention plans, countermeasure or control plans, or other documentation or correspondence concerning the Property. If yes, please provide copies if available. NO

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Environmental Site Assessment – Site Questionnaire
Micron Clay Fab Facility, Clay, NY

☐ Yes ☑ No

5. Are you aware of any environmental liens or activity use limitations (such as engineering controls, land use restrictions, or institutional controls) that are in place at the Property and/or have been filed or recorded against the Property under federal, tribal, state, or local law?

☐ Yes ☑ No

6. Based on your knowledge and experience related to the Property, are there any other obvious indicators that point to the presence or likely presence of releases or contamination at the Property? For example:

   - Are you aware of any spills or other chemical releases that have taken place at the Property?

   ☐ Yes ☑ No

   - Are you aware of any environmental remediation cleanups that have taken place at the Property?

   ☐ Yes ☑ No

   - Are you aware of any specific chemicals or petroleum products that are currently present or once were present at the Property?

   ☐ Yes ☑ No

   - Are you aware of any former or current chemical or fuel oil storage, including storage tanks, chemical/pesticide/herbicide use, etc., at the Property?

   ☐ Yes ☑ No

   - Are you aware of the presence of any historic fill, construction and demolition debris, ash, dredge spoils, etc.?

   ☐ Yes ☑ No

7. Please provide any information you have on former and/or current buildings, utilities, and operations, including past and present:

   - Water: N/A
   - Electric: N/A
   - Gas/fuel oil: N/A
   - Heating and cooling systems: N/A
   - Sewer or septic/cesspool: N/A

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Environmental Site Assessment – Site Questionnaire
Micron Clay Fab Facility, Clay, NY

- Trash collection: N/A
- Hazardous materials storage or use (paint, solvent, pesticides, herbicides): N/A
- Construction/demolition date(s): N/A
- Surveyed drawings, blueprints, subsurface studies, renovation/addition details, etc.: N/A

8. Please advise whether you are aware of the following:

   - Any pending, threatened, or past litigation, administrative proceedings, or regulatory notices/violations relevant to hazardous substances or petroleum products in, on, or from the Property

   ☐ Yes ☑ No

   If yes, please describe:

9. 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 specialized knowledge of the chemicals and processes used by this type of business?

☐ Yes ☑ No

DAR 24 JAN 2024

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APPENDIX G
PHONE LOGS

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RECORD OF TELEPHONE CONVERSATION

Date: 2/28/24 Name: Claire Bearden ☐ Incoming X Outgoing

NAME OF PERSON CALLING/CALLED: Mark Territo

Company/Title: Town of Clay Planning and Development Commissioner

Phone Number: (315) 652-3800 x131

CLIENT: Micron APPROXIMATE LENGTH OF CALL: 1 min

DETAILS OF CONVERSATION: Claire Bearden left a voicemail for Mr. Mark Territo at 11:44 AM to inquire if the Town of Clay has any records of issues or conditions (environmental or otherwise) related to the group of parcels to the east and west of Burnet Road in Clay, NY totaling about 800 acres (the land generally between Caughdenoy Road/the railroad tracks, Brewerton Road, and State Route 31). Claire Bearden sent a follow-up email to Mr. Territo at 11:55 AM with the request for information detailed above. A response has not been received to date from Mr. Territo.

Use or disclosure of information contained on this sheet is subject to restriction on the title page of this document.

RECORD OF TELEPHONE CONVERSATION

Date: 2/28/24 Name: Claire Bearden □ Incoming X Outgoing

NAME OF PERSON CALLING/CALLED: Clay Volunteer Fire Department – Station 3

Company/Title: Clay Volunteer Fire Department – Station 3

Phone Number: (315) 699-3880

CLIENT: Micron APPROXIMATE LENGTH OF CALL: 5 mins

DETAILS OF CONVERSATION: Claire Bearden attempted to contact the Clay Fire Department at 4:25 PM; however, the call was not answered, and no voicemail system was in place to leave a message. Claire Bearden sent a follow-up email to the Clay Fire Department at 4:37 PM to inquire if the Clay Fire Department has any records of issues or conditions (environmental, emergency response, or otherwise) related to the group of parcels to the east and west of Burnet Road in Clay, NY totaling about 800 acres (the land generally between Caughdenoy Road/the railroad tracks, Brewerton Road, and State Route 31). A response has not been received to date from the Clay Fire Department.

Use or disclosure of information contained on this sheet is subject to restriction on the title page of this document.

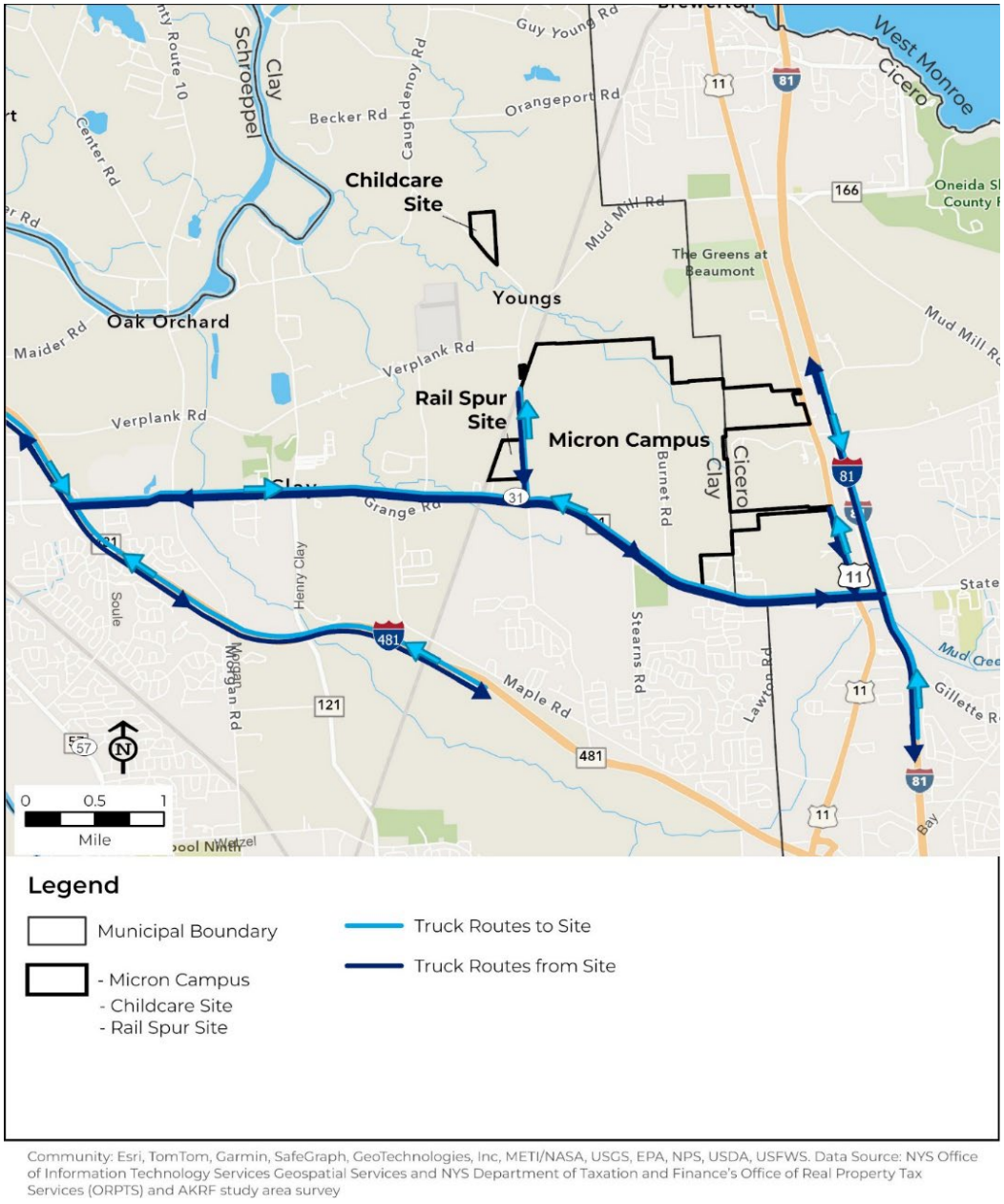
Appendix K-6
Supplemental Information: Environmental Consequences

K-6 Supplemental Information: Environmental Consequences

K-6.1 Waste and Material Truck Transport Routes

Proposed in-bound and out-bound truck routes to the Micron Campus and Rail Spur Site for transport of solid and hazardous waste and hazardous materials are shown in Figure K-1. All trucks loaded on the Micron Campus would exit the vicinity using only these approved truck routes. These are the most appropriate routes and take into account: (a) limiting transport through residential areas and past sensitive sites; (b) prohibiting off-site queuing of trucks entering the facility; (c) limiting total distance to major highways; and (d) overall safety in transport.

Figure K-1 Truck Routes to and from Micron Campus and Rail Spur Site



Community: Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS. Data Source: NYS Office of Information Technology Services Geospatial Services and NYS Department of Taxation and Finance's Office of Real Property Tax Services (ORPTS) and AKRF study area survey

As part of the Proposed Project, Micron would work closely with equipment and material suppliers to reduce its energy and water consumption and waste generation. Micron also would seek LEED Gold or Platinum certification for the proposed Micron Campus Fab and Administration buildings and the childcare center, healthcare center, and recreation center. Micron would employ reuse, recycle, and recovery and waste minimization strategies to reduce the amount of materials that would be sent to the WTE Facility, landfills, or other disposal sites, in accordance with the programs and procedures described below.

K-6.2 Micron Waste Minimization Procedure

As part of the Proposed Project, Micron would employ a detailed waste minimization procedure incorporating strategies such as material substitution, process modification, segregation and characterization, reclamation, inventory management and control, and chemical redistribution. This procedure would reduce waste streams through reuse, recycling, and recovery, and would prioritize waste source reduction methods and technologies, such as raw material substitution using non-hazardous or less toxic materials. Inventory management and control would help reduce unnecessary waste due to expiration. Some raw materials and byproducts could be reused, and some chemicals could be used past their expiration dates.

The waste minimization program effectiveness at the Proposed Project would be continuously evaluated and updated to meet requirements of Federal regulations and Micron's Global Sustainability Standards. See Appendix K-12 for an example Micron waste minimization procedure that would be adapted for the Proposed Project.

K-6.3 Micron Reuse of Used Materials

As part of the Proposed Project, Micron would use reasonable efforts to avoid unnecessary disposal of used materials by identifying such materials that may be appropriate for continued use or reuse. Some items would be reused, while others may be donated or sold. Micron would provide one or more appropriate locations within the Proposed Project buildings for employees and others to submit materials for potential reuse.

K-6.4 Micron Recycling Program

As part of the Proposed Project, Micron would implement procedures to collect the following types of non-hazardous wastes at appropriate collection points within the Proposed Project buildings to ensure these materials are recycled rather than sent to a waste-to-energy facilities or landfills: cardboard; batteries; paper; plastic chemical bottles and drums[21]; precious metals, premium scrap metals, and IP materials; plastic; metals; computer components; wood and pallets; wafer boats; scrap wafers and blue scrap (silicon); and print and toner cartridges.

[21] Plastic chemical bottles and drums qualify for recycling if they meet the definition of "RCRA Empty", defined as having removed as much from the container as possible via common practical means (e.g., pouring, pumping) such that no more than one inch of material remains on the bottom or no more than three percent by weight of the total capacity of the container remains (no more than 0.3% by weight for containers greater than 119 gallons in size). Alternatively, empty plastic bottles and drums could be reused to collect hazardous waste throughout the facility.

The recycling program effectiveness at the Proposed Project would be continuously evaluated and updated to meet Micron's Global Sustainability Standards. See Appendix K-12 for an example Micron Recycling and Solid Waste Program that would be adapted for the Proposed Project.

K-6.5 PaintCare Program

PaintCare Inc., a non-profit 501(c)(3) organization, encourages paint manufacturers (paint producers) to plan and operate paint stewardship programs in U.S. states and jurisdictions that pass paint stewardship laws. PaintCare has launched programs across the country following the passage of similar laws in California, Colorado, Connecticut, the District of Columbia, Maine, Minnesota, New York, Rhode Island, Vermont, and Washington, and is developing programs in Illinois and Maryland. In the states where PaintCare operates, businesses can take their unwanted, leftover paint to a PaintCare drop-off site. There are several drop-off sites within the Syracuse NY area.

Micron will integrate a policy/procedure for the Proposed Project to recycle the paint waste generated at the site via the PaintCare program. Prior to the offsite disposal at a PaintCare location, Micron will properly store the unused and/or waste containers of paint products to prevent spills from occurring.

K-6.6 Micron Universal Waste Procedure

Micron also would develop a universal waste procedure for the Proposed Project to minimize the disposal of universal waste (more common forms of hazardous waste, such as aerosols, batteries, fluorescent bulbs, and mercury-containing equipment) at waste-to-energy facilities and landfills. Under this procedure, Micron would be able to hold and accumulate universal waste on-site for up to one year in accordance with applicable regulations. Universal waste would be kept in closed and properly labeled tanks, containers, or transport vehicles prior to transport to approved treatment facilities. See Appendix K-12 for an example Micron universal waste procedure that would be adapted for the Proposed Project.

Appendix K-7
Micron Soil Materials Management Plan

MICRON CLAY FAB FACILITY

CLAY, NEW YORK

Soil/Materials Management Plan

Prepared for:
Micron New York Semiconductor Manufacturing LLC
Clay, New York 11205

Prepared by:

DECEMBER 2025

Note: The following provides an outline of a sample Soil/Materials Management Plan for handling of excavated materials, fluid management, and a contingency plan to handle unknown tanks, contamination, or nuisance conditions. This plan will be fully developed and implemented in conjunction with the selected site work contractor as a pre-construction submittal.

CERTIFICATIONS

I, _____, certify that I am a Qualified Environmental Professional (QEP) as defined in DER Technical Guidance for Site Investigation and Remediation (DER-10) or a NYS registered Professional Engineer

I certify that this SMMP is a plan that will be implemented for handling, transport and disposal of soil, fill, fluids and other materials removed from the Site in accordance with applicable local, State and Federal laws and regulations. This SMMP has a contingency plan to address unknown tanks or contamination and contains provisions to control nuisances during invasive work, including dust suppression.

	__/__/2025	
Name	Date	Signature

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FIGURES

Figure 1 - (Site Location)
Figure 2 - (Stockpile Plan)

APPENDICES

Appendix A - Health and Safety Plan

1.0 INTRODUCTION

This Soil/Materials Management Plan (SMMP) has been prepared by _____ on behalf of_____ for the purpose of_____.

- Project background
- Project details
- Project goals

2.0 SOIL/MATERIALS MANAGEMENT

The purpose of the Soil/Materials Management Plan (S/MMP) is to establish a protocol outlining the handling of site soil and other subsurface materials encountered during the proposed excavation work, which comprises soil excavation, stockpiling, loading, and off-site disposal. These procedures are to include measures for the excavation, handling, stockpiling, and disposal of contaminated soil.

2.1 Soil Excavation Procedures

2.2 Soil Screening Methods

2.3 Stockpile Methods

2.4 Remedial Performance Evaluation

2.5 Air Monitoring

2.6 Site Control Measures

2.7 Equipment Decontamination

2.8 Materials Load Out

2.9 Materials Transport Off-Site

2.10 Materials Disposal Off-Site

2.11 Materials Reuse On-Site

2.12 Dewatering and Fluids Management

2.13 Backfill from Off-Site Sources

2.14 Community Air Monitoring Plan

2.15 Contingency Plan for Encountering Unknown USTs/Soil Contamination Areas

3.0 REPORTING

Reporting requirements to include, but not be limited to, documentation of all import/export, management of contaminated soil excavation, remedial endpoint sampling, soil characterization sampling, facility approvals, and soil disposal manifests.

FIGURES

APPENDIX A
HEALTH AND SAFETY PLAN

Appendix K-8
Micron Construction Waste Management Plan

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CONSTRUCTION WASTE MANAGEMENT PLAN

Effective management and disposal of construction waste are crucial for the sustainable development of large industrial projects. This construction waste management plan outlines the comprehensive strategies and practices that ensure construction waste is managed responsibly, minimizing environmental impact while promoting sustainability.

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative and procedural requirements for the following:

1. Salvaging nonhazardous waste.
2. Recycling nonhazardous waste.
3. Disposing of nonhazardous waste.

1.3 DEFINITIONS

A. Construction Waste: Building and site improvement materials and other solid waste resulting from construction, remodeling, renovation, or repair operations. Construction waste includes packaging.

B. Demolition Waste: Building and site improvement materials resulting from demolition or selective demolition operations.

C. Disposal: Removal off-site of demolition and construction waste and subsequent sale, recycling, reuse, or deposit in landfill or incinerator acceptable to authorities having jurisdiction.

D. Recycle: Recovery of demolition or construction waste for subsequent processing in preparation for reuse.

E. Salvage: Recovery of demolition or construction waste and subsequent sale or reuse in another facility.

F. Salvage and Reuse: Recovery of demolition or construction waste and subsequent incorporation into the Work.

1.4 PRE-DEMOLITION ABATEMENT REQUIREMENTS

A. Prior to any disturbance of any remaining structures, a pre-demolition asbestos-containing materials (ACM) survey shall be performed to evaluate the presence of suspect ACM, and any ACM with the potential to be disturbed during any demolition activities shall be removed and disposed of in accordance with local, state, and Federal requirements. All future demolition activities with the potential to disturb lead-based paint shall be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62—Lead Exposure in Construction).

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1.5 PERFORMANCE REQUIREMENTS

A. Contractor shall develop and implement a construction and demolition waste management plan, with objective of reducing construction and demolition waste disposed of in landfills and incineration facilities. This implementation shall be done through waste prevention and by reusing, recovering, and recycling (RRR) of materials. Provide a final waste management report detailing all waste generated, including disposal and diversion rates for the project.

B. Contractor's construction and demolition waste management plan, implementation, and reporting shall be in accordance with the project's LEED submission plan.

C. The contractor will work with Micron to achieve an agreed upon RRR minimum target range.

D. Facilitate recycling and salvage of materials includes but is not limited to:

1. Demolition Waste:
   a. Asphalt paving.
   b. Concrete.
   c. Concrete reinforcing steel.
   d. Brick.
   e. Concrete masonry units.
   f. Wood studs.
   g. Wood joists.
   h. Plywood and oriented strand board.
   i. Wood paneling.
   j. Wood trim.
   k. Structural and miscellaneous steel.
   l. Rough hardware.
   m. Roofing.
   n. Insulation.
   o. Doors and frames.
   p. Door hardware.
   q. Windows.
   r. Glazing.
   s. Metal studs.
   t. Gypsum board.
   u. Acoustical tile and panels.
   v. Carpet.
   w. Carpet pad.
   x. Demountable partitions.
   y. Equipment.
   z. Cabinets.
   aa. Plumbing fixtures.
   bb. Piping.
   cc. Supports and hangers
   dd. Valves.
   ee. Sprinklers.
   ff. Mechanical equipment.
   gg. Refrigerants.
   hh. Electrical conduit.

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ii. Copper wiring.
jj. Lighting fixtures.
kk. Lamps.
ll. Ballasts.
mm. Electrical devices.
nn. Switchgear and panelboards.
oo. Transformers.

2. Construction Waste:
   a. Masonry and CMU.
   b. Lumber.
   c. Wood sheet materials.
   d. Wood trim.
   e. Metals.
   f. Roofing.
   g. Insulation.
   h. Carpet and pad.
   i. Gypsum board.
   j. Piping.
   k. Electrical conduit.
   l. Packaging: Regardless of salvage/recycle goal indicated in "General" Paragraph above, salvage or recycle 100 percent of the following uncontaminated packaging materials, to the extent practical:
      1) Paper.
      2) Cardboard.
      3) Boxes.
      4) Plastic sheet and film.
      5) Polystyrene packaging.
      6) Wood crates.
      7) Plastic pails.

1.6 ACTION SUBMITTALS

A. Submittal Requirements:

1. Copy of the CWM Plan, as defined in the PERFORMANCE REQUIREMENTS Article above.

2. Contractors shall submit a monthly Waste Management submission.

   a. This submission shall include waste receipts and a completed Waste Management Form.

3. Calculations and supporting documentation to demonstrate end-of-project recycling rates meeting the requirements of the CWM Plan. Note: These calculations and supporting documentation are required regardless of method of processing (on-site or off-site separations). Use these Solid Waste Conversion Factors only if tipping tickets are not available if the weight in each dumpster or container is not directly measured.

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Solid Weight Conversion Factors

· Mixed Waste 350 lbs/cubic yard

· Wood 300 lbs/cubic yard

· Cardboard 100 lbs/cubic yard

· Gypsum Board 500 lbs/cubic yard

· Rubble 1,400 lbs/cubic yard

· Steel 1,000 lbs/cubic yard

a. Record and document the total weight (in tons) of all demolition and construction waste materials sent to the landfill or recycled or salvaged. Monthly Waste Management Reporting Forms shall be used as the basis for determining the total amount of waste recycled or salvaged for the project. The monthly reporting forms shall specify:

1) The number of dumpsters or other containers of recycled or salvaged materials for that month.

2) The volume (in cubic yards) of each dumpster or container of recycled or salvaged materials for that month.

3) The type of recycled or salvaged material contained in each dumpster or container.

4) The weight of the recycled or salvaged material in each dumpster or container. For materials not contained in the Solid Waste Conversion Factors above propose a conversion factor for review by the Design Professional.

5) In addition, provide the name of the receiving facilities/companies that will be purchasing or accepting the recycled or salvaged materials. Receipts or other proof of facility reception of materials is required.

6) For materials separated for recycling off-site, establish a method for tracking the weight of the recycled material. The method shall be included in the CWM Plan for the Design Professional review and approval.

a. In the case of off-site separation, ensure the transfer station used will provide tickets with required information on delivery weights (or volume with appropriate conversions), and proof of recycling rates for reporting.

b. Calculate the end-of-project recycling rate percentage by dividing the recycled and salvaged waste (in tons) by the total waste generated (recycled, salvaged, and landfilled waste – also in tons), and multiplying by 100.

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c. For materials turned over to others for reuse, provide documentation on company letterhead indicating the material(s), the quantity (either by weight or units), the date and the intended reuse of the product.

4. Statement of Refrigerant Recovery: Signed by refrigerant recovery technician responsible for recovering refrigerant, stating that all refrigerant that was present was recovered and that recovery was performed according to EPA regulations. Include name and address of technician and date refrigerant was recovered.

1.7 QUALITY ASSURANCE

A. Waste Management Coordinator Qualifications: Experienced firm, with a record of successful waste management coordination of projects with similar requirements, that employs an Accredited Professional, certified by the USGBC, as waste management coordinator. Refrigerant Recovery Technician Qualifications: Certified by EPA-approved certification program.

B. Regulatory Requirements: Comply with hauling and disposal regulations of authorities having jurisdiction.

C. Waste Management Conference: Conduct conference at Project site to comply with requirements per project administrative requirements. Review methods and procedures related to waste management including, but not limited to, the following:
1. Review and discuss waste management plan including responsibilities of waste management coordinator.
2. Review requirements for documenting quantities of each type of waste and its disposition.
3. Review and finalize procedures for materials separation and verify availability of containers and bins needed to avoid delays.
4. Review procedures for periodic waste collection and transportation to recycling and disposal facilities.
5. Review waste management requirements for each trade.

1.8 WASTE MANAGEMENT PLAN

A. General: Develop a waste management plan according to ASTM E 1609 and requirements in this Section. Plan shall consist of waste identification, waste reduction work plan, and cost/revenue analysis. Indicate quantities by weight or volume but use same units of measure throughout waste management plan.

B. Waste Identification: Indicate anticipated types and quantities of demolition, site-clearing, and construction waste generated by the Work. Include estimated quantities and assumptions for estimates.

C. Waste Reduction Work Plan: List each type of waste and whether it will be salvaged, recycled, or disposed of in landfill or incinerator. Include points of waste generation, total quantity of each type of waste, quantity for each means of recovery, and handling and transportation procedures.
1. Salvaged Materials for Reuse: For materials that will be salvaged and reused in this Project, describe methods for preparing salvaged materials before incorporation into the Work.
2. Salvaged Materials for Sale: For materials that will be sold to individuals and organizations, include list of their names, addresses, and telephone numbers.
3. Salvaged Materials for Donation: For materials that will be donated to individuals and organizations, include list of their names, addresses, and telephone numbers.

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4. Recycled Materials: Include list of local receivers and processors and type of recycled materials each will accept. Include names, addresses, and telephone numbers.
5. Disposed Materials: Indicate how and where materials will be disposed of. Include name, address, and telephone number of each landfill and incinerator facility.
6. Handling and Transportation Procedures: Include method that will be used for separating recyclable waste including sizes of containers, container labeling, and designated location where materials separation will be performed.

2.0 EXECUTION

2.1 PLAN IMPLEMENTATION

A. General: Implement approved Waste Management Plan. Provide handling, containers, storage, signage, transportation, and other items as required to implement Waste Management Plan during the entire duration of the Contract.
   1. Comply with operation, termination, and removal requirements.

B. Waste Management Coordinator: Assign a waste management coordinator to be responsible for implementing, monitoring, and reporting status of waste management work plan. Coordinator will be present at Project Site as defined in the Bid Documents.

C. Training: Train workers, subcontractors, and suppliers on proper waste management procedures, as appropriate for the Work.
   1. Distribute Waste Management Plan to everyone concerned within three days of submittal return.
   2. Distribute Waste Management Plan to entities when they first begin work on-site. Review plan procedures and locations established for salvage, recycling, and disposal.
   3. Subcontractor and Supplier Support: Subcontractors and Suppliers will support the Waste Management Plan and fully cooperate with the Waste Management Coordinator to ensure complete compliance with the specification.

D. Site Access and Temporary Controls: Conduct waste management operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
   1. Designate and label specific areas on Project site necessary for separating materials that are to be salvaged, recycled, reused, donated, and sold.
   2. Comply with Temporary Facilities and Controls requirements for controlling dust and dirt, environmental protection, and noise control.

E. Waste Management in Historic Zones or Areas: Hauling equipment and other materials shall be of sizes that clear surfaces within historic spaces, areas, rooms, and openings, by 12 inches or more.

2.2 SALVAGING DEMOLITION WASTE

A. Salvaged Items for Reuse in the Work: Salvage items for reuse and handle as follows:
   1. Clean salvaged items.
   2. Pack or crate items after cleaning. Identify contents of containers with label indicating elements, date of removal, quantity, and location where removed.
   3. Store items in a secure area until installation.
   4. Protect items from damage during transport and storage.
   5. Install salvaged items to comply with installation requirements for new materials and

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equipment. Provide connections, supports, and miscellaneous materials necessary to make items functional for use indicated.

B. Doors and Hardware: Brace open end of door frames. Except for removing door closers, leave door hardware attached to doors.

C. Equipment: Drain tanks, piping, and fixtures. Seal openings with caps or plugs. Protect equipment from exposure to weather.

D. Plumbing Fixtures: Separate by type and size.

E. Lighting Fixtures: Separate lamps by type and protect from breakage.

F. Electrical Devices: Separate switches, receptacles, switchgear, transformers, meters, panelboards, circuit breakers, and other devices by type.

2.3 RECYCLING DEMOLITION AND CONSTRUCTION WASTE, GENERAL

A. General: Recycle paper and beverage containers used by on-site workers.

B. Recycling Incentives: Revenues, savings, rebates, tax credits, and other incentives received for recycling waste materials shall be encouraged.

C. Preparation of Waste: Prepare and maintain recyclable waste materials according to recycling or reuse facility requirements. Maintain materials free of dirt, adhesives, solvents, petroleum contamination, and other substances deleterious to the recycling process.

D. Procedures: Separate recyclable waste from other waste materials, trash, and debris. Separate recyclable waste by type at Project site to the maximum extent practical according to approved construction waste management plan.
   1. Provide appropriately marked containers or bins for controlling recyclable waste until removed from Project site. Include list of acceptable and unacceptable materials at each container and bin.
      a. Inspect containers and bins for contamination and remove contaminated materials if found.
   2. Stockpile processed materials on-site without intermixing with other materials. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust.
   3. Stockpile materials away from construction area. Do not store within drip line of remaining trees.
   4. Store components off the ground and protect from the weather.
   5. Remove recyclable waste from Owner's property and transport to recycling receiver or processor.

2.4 RECYCLING DEMOLITION WASTE

A. Asphalt Paving: Grind asphalt to maximum 4-inch (100-mm) size.
   1. Crush asphaltic concrete paving and screen for use as general fill.

B. Asphalt Paving: Break up and transport paving to asphalt-recycling facility.

C. Concrete: Remove reinforcement and other metals from concrete and sort with other metals.

1. Pulverize concrete to maximum 4-inch (100-mm) size.
2. Crush concrete and screen for use as satisfactory soil for fill or sub-base.

D. Masonry: Remove metal reinforcement, anchors, and ties from masonry and sort with other metals.
   1. Pulverize masonry to maximum 4-inch (100-mm) size.
      a. Crush masonry and screen for use as satisfactory soil for fill or sub base if required on the Project.
      b. Crush masonry and screen for use as mineral mulch.
   2. Clean and stack undamaged, whole masonry units on wood pallets.

E. Wood Materials: Sort and stack members according to size, type, and length. Separate lumber, engineered wood products, panel products, and treated wood materials.

F. Metals: Separate metals by type.
   1. Structural Steel: Stack members according to size, type of member, and length.
   2. Remove and dispose of bolts, nuts, washers, and other rough hardware.

G. Asphalt Shingle Roofing: Separate organic and glass-fiber asphalt shingles and felts. Remove and dispose of nails, staples, and accessories.

H. Gypsum Board: Stack large clean pieces on wood pallets or in container and store in a dry location. Remove edge trim and sort with other metals. Remove and dispose of fasteners.

I. Acoustical Ceiling Panels and Tile: Stack large clean pieces on wood pallets and store in a dry location.

J. Metal Suspension System: Separate metal members including trim, and other metals from acoustical panels and tile and sort with other metals.

K. Carpet and Pad: Roll large pieces tightly after removing debris, trash, adhesive, and tack strips.

   1. Store clean, dry carpet and pad in a closed container or trailer provided by Carpet Reclamation Agency or carpet recycler.

L. Carpet Tile: Remove debris, trash, and adhesive.
   1. Stack tile on pallet and store clean, dry carpet in a closed container or trailer provided by Carpet Reclamation Agency or carpet recycler.

M. Piping: Reduce piping to straight lengths and store by type and size. Separate supports, hangers, valves, sprinklers, and other components by type and size.

N. Conduit: Reduce conduit to straight lengths and store by type and size.

2.5 RECYCLING CONSTRUCTION WASTE

A. Packaging:
   1. Cardboard and Boxes: Break down packaging into flat sheets. Bundle and store in a dry location.
   2. Polystyrene Packaging: Separate and bag materials.
   3. Pallets: As much as possible, require deliveries using pallets to remove pallets from

Project site. For pallets that remain on-site, break down pallets into component wood pieces and comply with requirements for recycling wood.

4. Crates: Break down crates into component wood pieces and comply with requirements for recycling wood.

B. Wood Materials:
   1. Clean Cut-Offs of Lumber: Grind or chip into small pieces.
   2. Clean Sawdust: Bag sawdust that does not contain painted or treated wood.
      a. Use of clean sawdust as organic mulch.

C. Gypsum Board: Stack large clean pieces on wood pallets or in container and store in a dry location.
   1. Clean Gypsum Board: Grind scraps of clean gypsum board using small mobile chipper or hammer mill. Screen out paper after grinding.
      a. Use of clean ground gypsum board as inorganic soil amendment.

2.6 DISPOSAL OF WASTE

A. General: Except for items or materials to be salvaged, recycled, or otherwise reused, remove waste materials from Project site and legally dispose of them in a landfill or incinerator acceptable to authorities having jurisdiction.
   1. Except as otherwise specified, do not allow waste materials that are to be disposed of accumulate on-site.
   2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.

B. Burning: Do not burn waste materials.

C. Disposal: Remove waste materials from Owner's property and legally dispose of them.

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2.7 ATTACHMENTS

LEED CONSTRUCTION WASTE CALCULATOR (SAMPLE)

Unit of measure (tons, cubic yards)

		RECORD DIVERTED WASTE BY EITHER WEIGHT OR VOLUME CONSISTANTLY											
Date	Diversion location/ method of diversion	Asphalt	Concrete	Steel	Metal	Wood	Gypsum	Screen fines	Cardboard	Plastic	Other	Other	Landfill
1/1/2017	ABC hauler	12	5		5			12		10			
1/2/2017	Reused on site	25			10								5
1/3/2017	XYZ Salvage Yard				10								5
TOTALS		37	5	0	25	0	0	12	0	10	0	0	10
										TOTAL CONSTRUCTION WASTE			99
										TOTAL DIVERTED WASTE			89
										TOTAL LANDFILLED WASTE			10
										RATE OF WASTE DIVERSION			89.90%

END OF SECTION

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Appendix K-9
Micron Hazardous Waste Contingency Plan (Outline)

HAZARDOUS WASTE CONTINGENCY PLAN

Micron Clay Fab Facility

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Appendix K-10
OCRRA Waste Capacity Availability

OCRRA
100 Elwood Davis Road
North Syracuse, NY 13212-4312
(315) 453-2866 ● Fax (315) 453-2872

March 3, 2025

Robert M. Petrovich
Deputy County Executive
Onondaga County
Economic Development & Planning
Executive Director-Onondaga County Industrial Development Agency
421 Montgomery Street-14th Floor
Syracuse, New York 13202
Re: Micron - Waste Capacity Availability

Dear Mr. Petrovich:

Onondaga County Resource Recovery Agency (OCRRA) is providing this letter to advise you on waste disposal capacity for the proposed facilities to be developed by Micron at the White Pine Commerce Park (Park).

Waste disposal services for Micron can be provided at the following capacities, upon confirmation of the waste characteristics or type of waste that is generated and as these wastes conform to the waste definitions contained in New York Codes, Rules and Regulations (NYCRR) Part 360:

1. All Municipal Solid Waste (MSW), as defined by NYSCRR Part 360, will be required to be delivered to the Onondaga County Resource Recovery Facility as per the Onondaga County Local Law.
2. Construction and Demolition (C&D) waste as defined by NYSCRR Part 360 is accepted at market rates at our Rock Cut Road Transfer Station subject to total permitted daily capacity of 800 tons per day from all users of the facility. C&D waste is not required to be delivered to an OCRRA facility and capacity is offered each day on a first come first served basis up to the total permitted limits.
3. OCRRA will have additional permitted capacity for MSW and C&D waste once the construction of the Ley Creek Transfer Station is completed within 32 months. The capacity of this facility will be 1200 tons per day of all waste types and will be subject to the same operational requirements as the Rock Cut Road Transfer Station.

To achieve the above, Micron would access our facilities through a waste hauler that has a contract to dispose of waste at OCRRA facilities.

It should be noted that OCRRA does not manage other waste types not outlined above and as defined by NYCRR such as (but not limited to) biologicals, biosolids, bulk liquids, commercial aggregates, construction waste, drilling & production waste, electronic waste, grease trap waste, industrial waste, hazardous waste, papermill residuals, pharmaceutical waste, raw sewage, radioactive waste, regulated medical waste, sharps, sludge, toxic drug waste, toxins, and used/waste oils.

Please feel free to contact me if you have any questions regarding this information.

Sincerely,

Kevin Spillane
Executive Director

Appendix K-11
2024 Micron Technology, Inc. Sustainability Report

2024

Sustainability report



Micron

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Introduction



A message from our CEO

Artificial intelligence is accelerating technological change and creating tremendous potential for the years ahead. With such advancement comes increased responsibility to ensure technology fosters the greatest good for our global community.

The last year presented some of the most challenging market conditions in the history of our industry. Micron acted quickly to respond to market conditions, but we were also careful to keep investing in our long-term strategy and capabilities. Micron's vision is to transform how the world uses information to enrich life *for all*, and we work to apply that vision throughout every aspect of our business. We're proud of the progress we've made in advancing sustainability at Micron and creating positive change for our stakeholders and our industry.

This report details Micron's sustainability efforts over the past year. It also provides a view of our future ambitions. You will learn how we are leveraging our technology leadership and the strength of our team to address some of the most pressing issues of our time, such as climate change, energy consumption and human rights. We see opportunities both in how we conduct our operations and the solutions we create. This year, we introduced a leading-edge high-bandwidth memory for AI servers that consumes 30% less power than competitive solutions, a significant difference for powerful data centers. Below are a few highlights of our other achievements over the past year.

Advancing sustainable operations

- **Climate action:** Through investment and collaboration with partners on greenhouse gas emissions and heat transfer fluid improvements, we decreased scope 1 emissions by 11% in 2023 (relative to our 2020 baseline) and are tracking toward our goal. We are on schedule to source 100% renewable electricity in the U.S. by the end of 2025, maintained 100% renewable electricity in Malaysia and continued renewable power procurement efforts in Singapore, Taiwan and elsewhere.
- **Water stewardship:** New water projects helped Micron achieve 66% water reuse, recycling and restoration in 2023, up from 50% in 2020.
- **Waste management:** We are making progress toward our goal of diverting 95% of our total waste from landfills by 2030 and eliminating hazardous waste.
- **Sustainable manufacturing:** We continue to invest in sustainable and efficient semiconductor manufacturing at our sites worldwide. Our expansion projects supported by the CHIPS Act in Boise, Idaho, and Clay, New York, will pursue designs consistent with LEED Gold certification, and our global manufacturing sites are achieving high ratings from the Responsible Business Alliance.

Building team and community

- **Equity and representation:** We continue to maintain global pay equity for women, as well as across race/ethnicity and veteran status in the U.S. and for people with disabilities globally — a significant differentiator for Micron. We continue to invest in our employee resource groups, which in FY23 included 47% of our team members worldwide. We received the Equality 100 award from the Human Rights Campaign for the third year in a row and were awarded our first score of 100 on the Disability Equality Index.
- **Community investment:** The Micron Foundation invested more than $11 million in STEM education and community support initiatives, with nearly $2.5 million of that coming in the form of team member-directed matching gifts. We have robust engagement, with over 80% of our team participating in community volunteering and giving and more than 200,000 volunteer hours logged.

Doing business the right way

- **Ethics and integrity:** We uphold the highest standards of ethics, integrity and accountability in our business conduct and decision-making. Our policies, training and other practices led to Micron's inclusion in Ethisphere's list of the World's Most Ethical Companies in 2024. We also regularly engage with our stakeholders, soliciting their feedback and incorporating their perspectives into our strategy and goals.
- **Responsible sourcing:** We continue to work with our suppliers to support responsible business conduct in new and existing locations, and we implemented a new due-diligence platform to track compliance. We also increased our spend with diverse-owned suppliers to more than $500 million in 2023.
- **Financial inclusion:** We reached our goal to grow fixed-income investments managed by diverse financial institutions to $750 million. We also supported development of the local financial sector and access to capital for small and medium enterprises in our regions of operation.

We're proud of the progress we have made in the last year but know there is more work to be done. Thank you for your interest and support. We welcome your feedback on this report and our sustainability efforts. You can reach us by emailing sustainability@micron.com.

Sanjay

Sanjay Mehrotra
President and CEO, Micron Technology

About Micron

Micron is a global leader in memory and storage solutions. With a relentless focus on our customers, technology leadership, product quality, manufacturing and operational excellence, Micron delivers a rich portfolio of high-performance DRAM, NAND and NOR memory and storage products. Every day, the innovations that our people create fuel the data economy, enabling advances in AI and 5G applications that unleash opportunities — from the data center to the intelligent edge and across client and mobile user experiences.

Micron's team members live our values: collaboration, customer focus, innovation, people and tenacity.

We share a common goal to pursue technology and product innovation and manufacturing excellence for our customers, partners, communities and society. And that excellence is being recognized worldwide through awards and honors for our business and innovation, our people and culture, and our sustainability and operations. For over 45 years and with more than 55,000 patents granted (and growing), Micron has delivered products that have helped transform how the world uses information to enrich life *for all*.



Taichung, Taiwan

Founded on
October 5, 1978

Headquartered in
Boise, Idaho, USA

$15.5B
FY23 annual revenue[2]

55,000+
patents granted and growing[1]

136
on the 2023 Fortune 500[3]

~43,000
team members[2]

15
customer labs[2]

11
manufacturing sites[2]

17
countries[2]

[1] Micron data as of February 27, 2024
[2] Micron data for fiscal year 2023 (FY23)
[3] Fortune 500, June 5, 2023

2023–2024 awards and recognitions[1]

Business and innovation

- Data Engineering Transformation Award, 2023 (Analytics India Magazine)
- Diamond Supplier of the Year Award, 2023 (DENSO)
- Global 500 Most Valuable and Strongest Brands, 2023 (Brand Finance)
- International Innovation Awards, 2023 (Business World)
- Platinum Top Global Supplier Diversity & Inclusion Champion, 2023 (WEConnect International)
- Top 10 High Tech Supply Chains, 2023 (Gartner)
- Top 10 Most Resilient Suppliers in the High-Tech Industry, 2023 (Resilinc)
- Upstate Power 100, 2023 (city and state of New York)
- World's Best Companies, 2023 (TIME)
- 250 Best-Managed Companies, 2023 (Wall Street Journal)

People and culture

- America's Greatest Work Places, 2023 (Newsweek)
- America's Greatest Work Places for Diversity, 2023 (Newsweek)
- Best Companies in Idaho, 2023 (Zippia)
- Best Places to Work, Japan, No. 9, 2023 (Great Place to Work Institute)
- Best Workplaces in Italy, No. 6, 2023 (Great Place to Work Institute)
- Best Workplaces in Singapore, No. 3, 2023 (Great Place to Work Institute)
- Best Workplaces in Taiwan, 2023 (Great Place to Work Institute)
- Bloomberg Gender-Equality Index, 2023
- Equality 100 Award, Corporate Equality Index, 2023 (Human Rights Campaign Foundation)
- Corporate Philanthropy Award, 2023 (Silicon Valley Business Journal)
- Disability Equality Index, Score 100, 2023 (Disability:IN)
- Gold Award for Micron Japan's DEI and LGBTQ+ activities, 2023 (Pride Index Association)
- HIRE Vets Platinum Medallion Award, 2023 (U.S. Department of Labor)
- Most Admired Companies, 2023 (Fortune)
- Silver Employer, 2023 (India Workplace Equality Index)
- STEM Impact Award, 2023 (Idaho STEM Action Center)
- Top 100 Bay Area Corporate Philanthropists, 2023 (The San Francisco Business Times)
- Top 20 DivHERsity Champions, 2023 (HerKey, formerly JobsForHer)
- Top Supporters of HBCU Engineering Schools, 2023 (Career Communications Group)
- Workplace Excellence Outie Award, 2023 (Out & Equal)
- World's Best Employers, 2023 (Forbes)
- World's Most Ethical Companies, 2024 (Ethisphere)
- World's Top Companies for Women, 2023 (Forbes)
- 3-Star Employer Award, 2023 (VETS Indexes)

Sustainability and operations

- Governor's Environmental Excellence Awards for the Neabsco Creek Bandalong Litter Trap: Controlling Urban Stormwater Litter, 2024 (Virginia Department of Environmental Quality)
- America's Most Responsible Companies, 2024 (Newsweek)
- America's Most Cybersecure Companies, 2023 (Forbes)
- Dow Jones Sustainability North America Index, 2023 (S&P Global)
- ICONic Supply Chain Planning Resiliency Award, 2023 (Blue Yonder)
- JUST 100 Ranking of America's Most JUST Companies, 2023 (JUST Capital)
- Outstanding Company Emergency Response Team (CERT) Award, 2023 (Singapore Civil Defence Force)
- President's Award, 2023 (Semiconductor Environmental Safety and Health Association, SESHA)
- Gold sustainability rating, 2023 (EcoVadis)
- 2-Diamond rating, GreenPASS Operation, Malaysia, 2023 (SEDA)
- 100 Best Corporate Citizens, 2023 (3BL)

[1] January 2023 through January 2024



Taichung, Taiwan

Sustainability strategy

Sustainability at Micron ties directly to our company's vision, mission and values

Micron is committed to enriching life *for all* through technology innovation while staying true to our core philosophy of conducting business with uncompromising integrity.

We are mindful that our business, operations and sourcing practices affect our team members, our customers, our communities and our planet. We continuously seek to challenge and strengthen our sustainability strategy, which supports our mission as a global leader in memory and storage solutions by focusing on the environmental, social and governance (ESG) impacts associated with our industry-leading products, our operations and sourcing, and our interactions with team members and communities.

Our sustainability strategy is supported by effective governance management and stakeholder engagement. We focus on initiatives that drive value for investors, customers, team members and other stakeholders, establishing goals and delivering on them with transparency.



Boise, Idaho

Vision

Transforming how the world uses information to enrich life *for all*

Mission

Be a global leader in memory and storage solutions

Values

People
We care about each other

Tenacity
Nothing shakes our resolve

Innovation
We develop solutions that shape the world's future

Collaboration
We work as one team

Customer focus
We win by knowing our customers

Sustainability governance

Micron's commitment to sustainability encourages a proactive approach to addressing our impact on the environment, supporting our team members and the communities where they live, respecting human rights, driving transparency and accountability in our supply chain, and developing innovative products that facilitate a sustainable future.

Sustainability in Micron's supply chains, operations and products is overseen by a cross-functional sustainability council made up of our senior leaders, with oversight from senior executives and the Micron board of directors.

As sustainability is integrated into our business practices, Micron is guided by a corporate sustainability team that works closely with teams across the company on the following activities:

- Identifying priority and emerging ESG topics
- Defining our strategy to address priority topics
- Integrating sustainability practices and innovation into key areas of the company
- Engaging, building relationships and exchanging information with key stakeholders

Operational teams and councils within Micron take ownership of individual ESG topics, conducting due diligence and engaging with relevant stakeholders.

Micron's board of directors — supported by the standing governance and sustainability committee and other committees as needed — oversees and monitors the development and integration of Micron's sustainability strategy and regularly reviews the company's sustainability performance. The board's purview includes relevant sustainability trends and their related influence on Micron's operations, supply chains and products, as well as the company's activities and annual public reporting on these topics. The governance and sustainability committee reviews and discusses ESG topics at each regularly scheduled committee meeting, and the audit committee regularly reviews reporting processes.

We apply sustainability performance metrics as a component in determining variable compensation for executives and team members throughout the company. These metrics consider progress toward the annual targets for our environmental programs and diversity, equality and inclusion (DEI) initiatives and reflect our intention to hold ourselves accountable to our sustainability commitments at the highest levels.

Sustainability governance structure

Board of directors

Governance and sustainability committee

Chief executive officer (CEO)

Executive oversight

Senior leaders from global manufacturing, business units, sales, assembly and test, finance, quality, procurement, global supply chain, corporate strategy, legal, human resources, technology and products, and information technology

Sustainability council

Representatives from manufacturing; environmental, health and safety; strategy; technology and products; human resources; supply chain; sales; Micron Gives; procurement; investor relations; legal; diversity, equality and inclusion; risk and resilience; communications; and finance

Sustainability organization

Vice president of environmental, health, safety and sustainability; director of sustainability; and program managers

Roles

Oversee sustainability strategy

Monitor performance

Serve as sustainability champions and experts within their organizations

Roles

Facilitate corporate sustainability strategy and integration

Drive transparency and engagement with key stakeholders

Opportunity and risk

Integrating sustainability into our business is strategically important, helping Micron both capitalize on opportunities and better manage risks. Consistent with our values, we conduct business with integrity and responsibility in the communities where we live and work. Natural resource conservation and waste reduction make us a more disciplined and efficient operation, which can directly benefit our bottom line. Sustainability is also a differentiator for recruiting and retaining high-potential employees, as well as for increasing engagement, satisfaction and productivity. In addition, strong sustainability programs enhance our relationships with customers, suppliers, investors and others.

While working in a socially and environmentally responsible manner, we focus on identifying, assessing, quantifying and managing sustainability-related risks. Micron's supply chains, operations and markets face a variety of risks, including global pandemics, geopolitical risks, labor unrest, materials availability, customer requirements, product responsibility, talent attraction and retention, regulatory challenges related to climate change or responsible sourcing, and extreme weather events that may be exacerbated by climate change.

We seek to better understand and address these risks through collaboration among our sustainability; environmental, health and safety (EHS); and responsible sourcing programs, along with our various risk management functions. Micron has a network of risk management teams operating across the company, including in our EHS, IT, business continuity, global quality management, enterprise risk management (ERM) and internal audit groups.

Our ERM program takes a unified approach to understanding risks and making informed business decisions. It also facilitates prompt action to mitigate identified risks and embeds risk management into our culture, improving decision-making in governance, strategy, goal-setting and daily operations. We support our objectives in this area by providing tools and knowledge, fostering open global communication and monitoring continuously. The internal audit group is independent, with the Vice President of Internal Audit reporting directly to the chair of the board's audit committee. The internal audit group has a charter that defines its composition, role and responsibilities.

Micron's ERM function gathers and assesses key risk information from executives and a risk council made up of select company executives. Along with risk assessments performed by other teams, these results are regularly presented to company executives, the board's audit committee and our full board of directors for consideration. The internal audit group is independent and reports to the board's audit committee, which has a charter that defines its composition, role and responsibilities.

More details about Micron's risk assessment and mitigation measures can be found in the company's 2023 proxy statement, and more information about the company's risk factors can be found in the Risk factors sections of the company's annual or quarterly reports.



Singapore

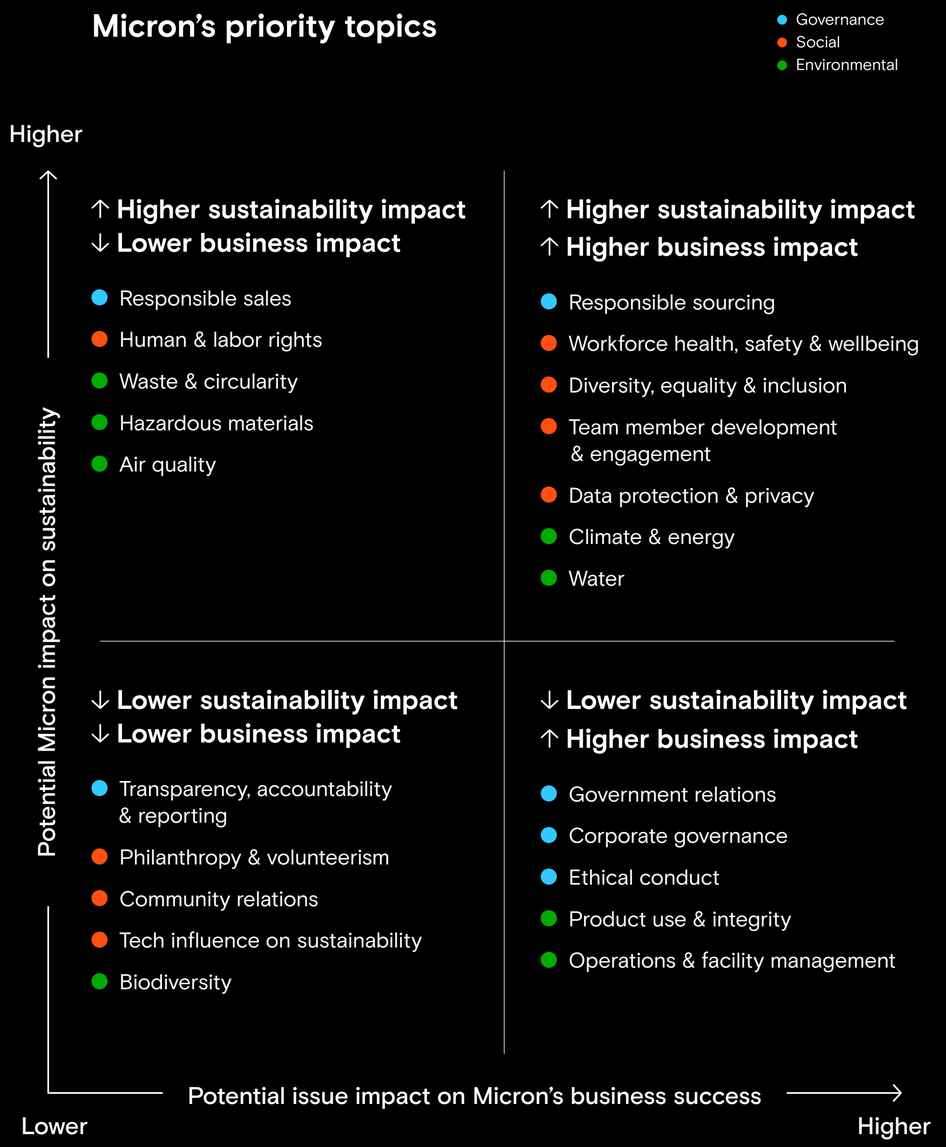
Topic prioritization

Micron's sustainability team and council periodically review the company's ESG priorities to inform our strategy, actions and disclosures. We conduct full assessments on a three-year cycle and review priorities annually to confirm that the topics of greatest significance to our stakeholders and our business are reflected in company sustainability initiatives, goals and reporting. We completed our most recent assessment in 2021 and are evaluating requirements for prioritization and disclosure as we prepare for a 2024 update.

Assessments begin with a review and update of the ESG topics that may intersect with the company's business. After revising the list of topics, we consider the existing and potential environmental and social impacts that Micron may have, their likelihood, and extent and level of attribution to Micron. We also review how those impacts could affect Micron's business.

Using this evaluation, we place topics in a prioritization matrix based on their potential to influence Micron's business success and the company's potential impact on sustainability. The most significant topics identified on both axes — the leading priorities for the company's sustainability programs — are responsible sourcing; workforce health, safety and wellbeing; diversity, equality and inclusion; team member development and engagement; data protection and privacy; climate and energy; and water. Other relevant topics are noted in the prioritization matrix on this page. We have set targets associated with many of these topics, and our progress in these areas over the past year is captured in this report.

Key inputs for our 2021 assessment included targets and indicators used by the United Nations Sustainable Development Goals, Sustainability Accounting Standards Board (SASB) semiconductor industry and other reporting standards, industry reports and assessments, customer and investor surveys and evaluations, company risk reviews and other internal documents, and direct input and feedback from our key internal and external stakeholders.



Ethics and integrity

Integrity is a foundational principle that underlies Micron's corporate values and approach to doing business. It comes ahead of business results, and Micron will not compromise integrity in favor of any business action, result or relations. Our chief executive officer and executive management regularly communicate the critical importance of ethics and integrity to all team members.

Micron's chief legal officer (CLO) has ultimate oversight for the company's ethics and compliance program, which includes compliance with laws, internal polices and Micron's code of business conduct and ethics. Micron's vice president of ethics and compliance has responsibility for setting the ethics and compliance program's strategic priorities and implementing programs and processes consistent with those priorities, which include anti-corruption, anti-bribery, privacy, global trade, and environmental health and safety. Both the CLO and vice president of ethics and compliance communicate regularly with Micron's board of directors and audit committee on the company's compliance with its legal and regulatory obligations as well as the effectiveness of its ethics and compliance programs.

The Micron code of conduct — based on our values and approved by the board of directors — summarizes the laws and ethical principles that apply to our work and guides choices that place integrity before business results. Because this code applies to all directors, officers and team members worldwide, we publish it in nine languages and make it available to the public on our website.

Team members receive regular training and certify that they have read, understand and will comply with the code. In fiscal year 2023 (FY23), 99% of our team members complied with the business conduct and ethics training and certification requirements.

Guarding against corruption

In keeping with Micron's commitment to conduct business with integrity, Micron's anti-corruption policy prohibits activities that erode public trust such as bribery, corruption or improper payments in any form. The policy is available to all team members and has been translated into our team members' primary languages.

Micron is a member of the Responsible Business Alliance (RBA), a group of leading companies focused on promoting responsible working conditions, ethical business practices and environmental stewardship throughout the global supply chain. Micron communicates our ethical requirements to suppliers through our supplier expectations. We also adhere to — and expect our suppliers to implement — the RBA code of conduct, which requires participants to adopt a zero-tolerance policy on bribery, corruption, extortion and embezzlement, as well as to promote other responsible policies. Micron also invests in global "tone at the top" training for senior leadership, which includes all vice president-level team members and above.



Shanghai, China

"In all we do here at Micron, integrity comes ahead of business results and should never be compromised in favor of any business action, result or relationship. Integrity always matters. I appreciate each team member's contribution in making Micron a company of which we are all proud."

Sanjay Mehrotra
President and CEO, Micron Technology



San Jose, California

Encouraging people to speak up

Micron promotes a speak-up culture and strictly prohibits retaliation. The board's audit committee receives regular updates on the compliance and ethics function, key compliance metrics and significant investigations. We have several internal company policies covering our speak-up culture. These include the anti-retaliation and speak-up policy; investigations policy; anti-bribery and corruption policy; anti-fraud policy; gifts, entertainment and meals policy; and conflicts of interest policy.

We maintain multiple channels for team members, whistleblowers and any third parties to report concerns or ask questions about our policies. Team members, whistleblowers and external third parties can use our compliance helpline to report concerns anonymously (as permitted by applicable law). The helpline is operated by a third party, available 24/7 and accessible in all languages commonly used at Micron. The compliance and ethics team is responsible for responding to and, where appropriate, investigating concerns raised through the helpline.

When our investigations indicate a basis for allegations raised, we work with human resources and management — where permissible under local law — to advise on appropriate corrective action. We then propose process improvements to promote ethical practices going forward. As part of our standard investigative process, we perform a root cause analysis of each investigation and refer systemic issues to the internal audit group for a deeper dive. Results of the analysis also drive implementation of any process enhancements.

Micron routinely communicates compliance best practices to team members, shares investigative case studies, and reminds people of their obligation to report any good faith concerns about potential violations of law or Micron policy — without the fear of retaliation. These communications demonstrate to team members that their acts of speaking up and raising concerns lead to meaningful action.

Protecting data privacy

Micron respects and protects the data privacy rights of our customers, suppliers, partners and team members globally. To that end, the company has a dedicated and experienced privacy team focused on data protection, transparency and accountability as evidenced in the updated privacy notice on our website. The privacy team partners with business teams on data minimization and purpose limitation, advancing the principles of privacy by default and design for Micron operations, products and services globally. We require our partners, vendors and service providers to commit to data protection and privacy rights.

Developing AI governance

Micron's vision is an artificial intelligence (AI) governance framework flexible enough to keep pace with emerging opportunities, challenges, as well as the evolving international regulatory environment. In the fall of 2023, with Board support, Micron benchmarked, designed, and launched a generative AI governance operating committee. The governance structure provides for technical assessments, executive leadership oversight, and opportunities for continuing board input on the innovative and responsible use of emerging generative AI-enabled solutions.



Taichung, Taiwan

Human rights

Micron is committed to respecting human rights wherever we do business. We strictly adhere to labor and human rights laws, including those related to human trafficking, forced labor, child labor, working hours, fair wages, worker health and safety, discrimination, harassment and freedom of association.

The respectful treatment of all people working at Micron sites and within our supply chain is required by our code of conduct and human rights policy. Our human rights policy is guided by the United Nations' Guiding Principles for Business and Human Rights — the primary global framework for preventing and addressing adverse impacts on human rights linked to business activity. The guiding principles draw on human rights instruments that we also recognize, such as the U.N.'s Universal Declaration of Human Rights and the International Labour Organization's core conventions. Our efforts to combat child and forced labor are outlined in our slavery and human trafficking statement.

The Micron board of directors' oversight of sustainability includes human rights issues. With board oversight and through several senior and executive level councils and committees, we seek relevant guidance on human rights best practices from stakeholders and subject matter experts, perform appropriate assessments and adopt and implement policies we deem necessary. We regularly conduct due diligence including audits across our supply chain to assess supplier compliance with these and other requirements.

We integrate human rights content and guidance into mandatory training for all team members, senior leaders and supply chain partners. As of September 2023, more than 99% of team members logged over 66,000 hours of completed human rights trainings on topics including our code of conduct, human trafficking and harassment.

As an active member of the Responsible Business Alliance, we have aligned with its code of conduct. The RBA is composed of leading electronics, retail, automotive and toy companies that have joined together to promote responsible working conditions, ethical business practices and environmental stewardship globally throughout their respective industry supply chains. The RBA plays a critical role in upholding a single set of expectations regarding social and environmental responsibility and provides a single process for demonstrating conformance. Members adhere to a common RBA code of conduct, which addresses supply chain performance expectations for labor, health and safety, environmental practices, ethics and management systems.

To comply with the RBA code in our own operations, we have adopted a vigorous management approach that includes training our team members on code requirements and using third-party auditors to verify our actions.

Our global RBA oversight team includes representatives from our legal, people, environmental, health, safety and supplier management functions. They monitor key RBA metrics across our manufacturing locations and review periodic reports on Micron's overall RBA performance. We participate in the RBA validated assessment program (VAP) and annually complete a self-assessment. Through the RBA-ON application, we provide our customers access to both the self-assessment questionnaires and VAP audit reports. All our manufacturing sites are on a biennial schedule for audits through the RBA's validated assessment program, and as of December 31, 2023, we achieved an average RBA facility audit score of 198.2 of a possible 200.

Global trade compliance

Micron is committed to complying with all applicable trade laws and regulations, both domestic and international. We believe that adherence to these laws is essential to our continuing success as a responsible global citizen and a trustworthy business partner.

We have established a robust system of trade controls to mitigate the risk of exports to unauthorized end users or entities with unauthorized end uses. Our trade compliance program is designed to confirm that we and our partners comply with all applicable laws and regulations and that we conduct business in an ethical and responsible manner.

To achieve these objectives, Micron's trade compliance program includes the following:

- The commitment and support of our senior leadership for implementing and executing a robust compliance program
- Tracking of regulatory and geopolitical trends that influence global trade governance goals
- Policies and protocols to make sure team members and management are informed and trained on the latest applicable trade compliance regulations
- Internal systems and processes to automate and systematically manage global trade compliance activities
- Protocols for robust compliance recordkeeping and reporting
- Internal reporting channels and corrective action plans for suspected violations
- Comprehensive screening of all key business partners against applicable denied party and watch lists
- Enhanced due-diligence requirements for business partners, with an emphasis on emerging compliance risks
- Diligence activity around forced labor in foreign supply chains and prevention of related unauthorized imports
- Associated trade compliance language in suppliers' codes of conduct, training, on-site inspections, self-assessment questionnaires and supplier ranking



Cybersecurity

Data is at the heart of Micron operations, products and services. Our goal is to create and maintain trust with our team members, customers, partners and investors by collecting, using, storing and sharing information responsibly. Our core principles guide how we think about privacy and data security; drive the policies and procedures that we implement; influence our values; and govern our relationship with our team members, customers, partners and the public.

Micron's cybersecurity practices align with the National Institute of Standards and Technology cybersecurity framework and are outlined in the company's privacy notice, which highlights what types of information are collected and how they are used and shared. The Micron customer trust center provides additional information. Micron has a formal information security training program, which includes annual or biannual certification on topics such as understanding information security and protecting proprietary information. Additionally, Micron has a third-party International Organization for Standardization (ISO) 27001 audit completed annually, which is currently focused on U.S. information technology systems and expected to expand in 2024.

Our global security organization, led by the company's vice president and chief security officer, oversees the company's cybersecurity programs. Governance of these programs extends to the Micron board of directors' security committee, which regularly reviews and oversees our policies and practices to identify and mitigate cybersecurity risks.



Hyderabad, India

Micron privacy and data security principles

- Protect data
- Be mindful of uses
- Analyze with purpose
- Maintain a security focus
- Create a culture of compliance
- Be transparent

Tax policy

Micron's vision and commitment to integrity guide our actions related to taxation. Meeting our tax obligations, directly and through our affiliated entities, in every country where we operate is one of the ways we fulfill our responsibilities to society.

Monitoring tax laws and risk

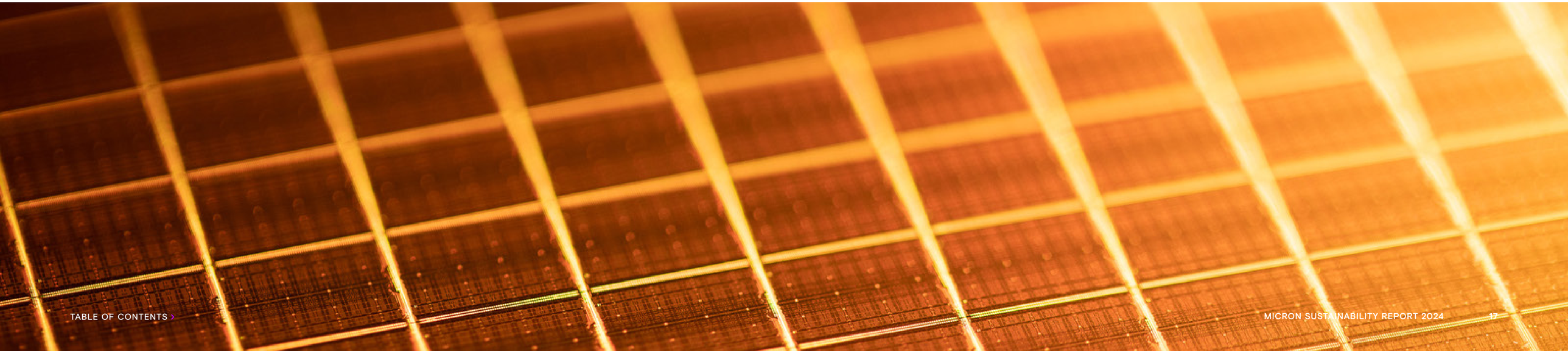
Micron, along with industry associations, supports tax policies that recognize our industry and its place in the global marketplace and promote growth in a predictable and transparent manner. We are committed to complying with relevant tax laws and regulations, filing required tax returns and disclosing relevant facts and circumstances.

We employ a qualified and experienced tax team as an integral part of the broader finance function, and this team reports to our chief financial officer. Our tax team proactively manages, reviews and reports on various direct and indirect local country taxes. These responsibilities include identifying the implications of new tax legislation or policies to our business. Our commitment extends to using structures that align with the way we do business.

Given the nature of our business, risks inevitably arise from tax laws that are complex or uncertain. When it's unclear how a tax law affects transactions or commercial situations, we seek professional advice to ensure the integrity of our tax filing and compliance duties worldwide. In addition, our board's audit committee receives periodic updates on significant changes in tax legislation that may affect our business, as well as details of relevant tax audits or disputes.

Interacting with tax authorities

Micron is committed to fostering positive, transparent and respectful relationships with tax authorities in the jurisdictions where we operate. We work collaboratively with tax authorities to address inquiries, and we resolve any differences through timely and transparent discussions or, if necessary, through established channels for dispute resolution.



Sustainability and corporate finance

Micron understands that sustainability and business success should go hand in hand. These priorities can be integrated in innovative ways. We have taken several steps to link the company's corporate finance and sustainability initiatives. Without sacrificing financial flexibility, these efforts enhance Micron's environmental and social initiatives while lowering costs to Micron.

Supporting DEI initiatives

Micron believes our vision to enrich life *for all* includes making intentional investments in financial institutions committed to providing capital and financial services to underserved communities. These investments have a multiplying effect on the economies of underrepresented communities. They also help to promote diversity on Wall Street. As covered in our 2023 DEI report, What makes us Micron, in FY23, we achieved our goal to grow fixed-income investments managed by diverse financial institutions to $750 million.

Micron also became a founding member of the White House's Economic Opportunity Coalition, a public-private partnership committed to unlocking the potential of communities of color, low-income communities, rural areas and other historically underserved communities. Micron is the only semiconductor company among that group of 12 founding firms.

In FY23, Micron also included diverse financial institutions as underwriters in the issuance of $3.5 billion of debt. These efforts align with Micron's DEI commitment to invest in diverse financial institutions and ensure underrepresented communities have access to capital.

Linking finance and sustainability

In May 2021, Micron executed nearly $3.7 billion in credit and bank facilities, with interest rates tied to specific sustainability performance metrics in line with the company's public goals and commitments. In calendar year 2023 (CY23), we achieved the following milestones in connection with our sustainability-linked credit:

- RBA average facility audit score: 198.2 of a possible 200 (as of December 31, 2023)
- Waste diversion rate: 94%
- Greenhouse gas intensity: 56% reduction in greenhouse gas emissions per unit of production compared to the CY18 baseline

Micron's $1 billion green bond, issued in November 2021, continues to align with our green bond framework and the globally recognized Green Bond Principles. Proceeds from the green bond have been fully allocated to support our public commitments to long-term environmental performance and construction of Leadership in Energy and Environmental Design (LEED) Gold buildings, as outlined in our second green bond report published in December 2023.

Micron also continues to target approximately $1 billion to advance our environmental goals by 2028, as discussed in the Operations and environment section of this report.

Calendar year 2023 milestones

RBA average facility audit score (as of December 31, 2023)

198.2 / 200

Waste diversion rate[1]

94%

Greenhouse gas intensity

↓56% reduction (CY23 vs. CY18)

[1] Includes energy recovery

Stakeholder engagement

Micron works to understand the impact of our operations, supply chains and products on people, the environment and society. Internal and external stakeholders — from investors and customers to team members and policymakers — play a crucial role in our business success, and we engage with them at the local, subsidiary and corporate levels worldwide. We also collaborate with a variety of organizations to gain insight into how we affect our stakeholders and to inform our decision-making.

Communicating with our shareholders

Micron discusses sustainability matters with the investment community and continuously improves our ESG disclosures based on investor feedback. To support these efforts, Micron publishes a sustainability reporting index that aligns with the SASB semiconductor industry standard. Micron has also forged strategic relationships with lenders based on our sustainability performance.

Working with customers

Micron customers are increasingly focused on sustainability performance, and many include it in their supplier evaluations. As our customers conduct comprehensive sustainability assessments, we work closely with them to understand and anticipate their priorities and address their questions with updates on our progress. Our executives, account teams and sustainability representatives lead many of these important conversations on topics such as risk management, environmental and social performance, and responsible sourcing.

We launched training and additional resources in 2023 to help our customer engagement teams around the globe have better, more in-depth sustainability conversations with customers. This kind of transparency is essential as Micron, our customers and the industry strive to make meaningful progress on sustainability initiatives. For example, we began collaborating with a consortium of customers and suppliers in Taiwan on renewable energy opportunities in the region. As a trusted partner, we are deepening our relationships around sustainability with customers and industry peers and pursuing new ways to join forces for greater influence in 2024.

Engaging with governments and policymakers

Engaging with stakeholders around the world is vital for our global business. Micron works with policymakers at various levels of government to contribute to policy discussions and initiatives focusing on workforce development, renewable energy, water resource management and other sustainability priorities. In 2023, we signed a memorandum of understanding with Taiwan's Bureau of Water Resources, as part of a broader private-public collaboration to address climate change and implement strategies for more sustainable local water use. We also engaged with governments and policymakers in several other ways:

- Partnered with the city of Boise to operate an advanced water treatment plant on the Micron campus as a component of a local initiative to improve water resource resilience
- Collaborated with the Singapore government to introduce a central abatement system for capture and destruction of greenhouse gases
- Worked with Higashi-Hiroshima City Hall in Japan to advance a five-year restoration project that removes hydrogen sulfide sediments and improves the water quality in tidal flats
- Supported policies proposed by Malaysia's government to incentivize renewable energy use in manufacturing, leading to the industrial sector's first renewable energy zone

As Micron presses forward with these and similar efforts, we remain committed to our values, high standards of ethical conduct and adherence to all applicable laws and regulations.

Supporting team members, communities and suppliers

Team members, the communities where we live and work, and our suppliers are vital to our operations. The many ways we engage with these stakeholder groups are covered in detail in the Team members, Communities and Responsible sourcing sections of this report.



Boise, Idaho

Who we engage	How we engage		What the engagement creates
Shareholders	· Proactive and systematic annual outreach to shareholders that hold cumulatively over 50% of shares to solicit feedback on ESG topics · Investor relations webpage · Annual shareholder meeting · Quarterly financial calls · Periodic investor presentations	· Investor conferences and meetings · Annual report and sustainability report · Issuance of an SASB index and participation in the SASB Standards Advisory Group · Regulatory filings · Press releases	Transparency and fulfillment of the needs of our shareholders and the investor and analyst communities as they focus on corporate sustainability performance
Team members	· Ongoing supervisor interactions · Meetings hosted by senior leaders · Employee engagement surveys · Compliance helpline for reporting concerns · Intranet news site with global and local content · Intranet collaboration sites	· Employee resource groups · Emails and newsletters · Team member handbook · Global town halls · Volunteer and philanthropic events	A culture in which all team members contribute to our success
Customers and industry organizations	· Regular meetings between customers and sales team executives, account managers and sustainability leaders · Customer requirement documents · Membership in industry organizations	· Customer scorecards and performance evaluations related to RBA code compliance, transparency, risk management, environmental and social performance, responsible sourcing and other topics	Understanding of our performance from our customers' perspectives, industry consensus on social and environmental issues, and customer trust
Suppliers	· Compliance helpline for reporting grievances and concerns · Supplier performance evaluations · Audits and assessments · Supplier portal containing expectations and requirements in conduct and responsible sourcing · Participation in industry associations and events including RBA membership and committees	· Training · Risk profiling assessments and event monitoring of mapped suppliers · Supplier day events and summits including those targeting diverse suppliers · Joint development projects	Open dialogue about our expectations with respect to social and environmental criteria
Communities	· Compliance helpline available for community members everywhere we operate · Local, regional and global STEM education conversations · University networks · Outreach through in-person programs and opportunities for team members to volunteer and donate	· Collaboration with communities to understand and promote workforce development, education, access to childcare, community assets and organizations, and affordable housing	Equitable opportunities for underrepresented populations, community support of and increased access to STEM education; creation of a stronger workforce pipeline for our industry
Policymakers	· Education and information sharing about the semiconductor industry and memory · Involvement in industry and trade associations	· Advocacy for positions that strengthen Micron and the semiconductor industry as a whole	Engagement with policymaking that governs and affects our strategies, investments, operations, team members and communities

Products and innovation

For more than 45 years, Micron solutions have powered countless digital devices, turning data into intelligence with unprecedented speed to enrich life for all

Semiconductor memory and storage are the underlying technologies that make modern computing hardware possible. As the only U.S.-based manufacturer of DRAM and one of the world's largest semiconductor manufacturers, Micron delivers a high-performance portfolio of DRAM, NAND, NOR, high-bandwidth memory and multichip package solutions. We work closely with customers to create specialized memory and storage architectures as these vital technologies evolve.

We made significant progress with our strategic technology roadmap in 2023, expanding our industry-leading product portfolio. Micron is at the forefront of the industry's most advanced technology nodes in both DRAM and NAND, with the vast majority of our production on leading-edge nodes: 1α (1-alpha) and 1β (1-beta) DRAM and 176-layer and 232-layer NAND.

The same capacity for innovation that led to foundational memory technologies accelerated our development of artificial intelligence (AI) capabilities in 2023. We introduced HBM3E to address the increasing demands of generative AI. Our teams are also driving AI capability with first-to-market low-power (LP) memory solutions such as LPCAMM2 for AI-powered PCs and LPDDR5X for AI-ready mobile devices.

We use the advanced technologies enabled by our products throughout our own operations to continuously improve processes across the business. While our research investments lead to products that help customers realize new potential, these advances also allow Micron to operate at higher capacity, communicate more securely, work with data at the fastest speeds available, and increase energy and material efficiency.

Safeguarding customer data

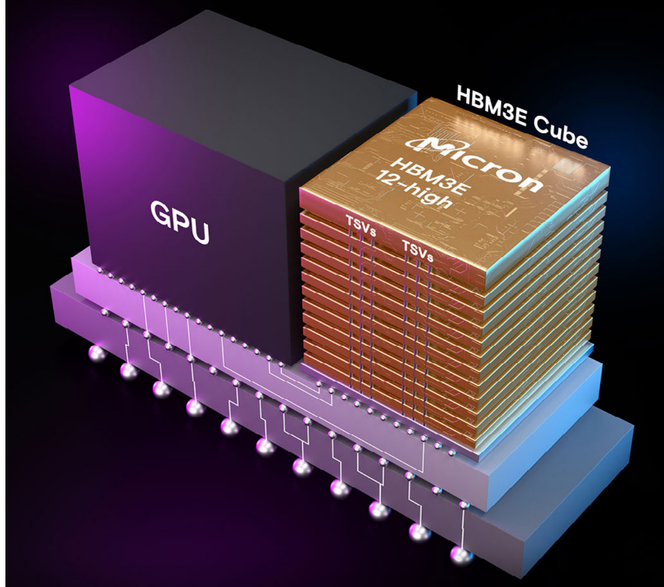
A steadfast commitment to cybersecurity is one important way we earn and keep our customers' trust. Micron faces the unpredictability and threat of cyberattacks by using the National Institute of Standards and Technology cybersecurity framework and, in many cases, the more stringent U.S. Commercial National Security Algorithm recommendations. We provide transparency about our privacy practices and help our customers understand the choices they have regarding their privacy rights and personal information.

Quickly evolving consumer internet of things (IoT) and industrial IoT ecosystems add to already significant risk and responsibility. With the rapid advance of machine learning and generative AI, devices are becoming considerably more capable and autonomous. At the same time, they are creating — and often being provided access to — large amounts of sensitive data that must remain secure. Micron's memory and storage products are a key element in enabling our customers to develop security that addresses the escalating threat of enterprise cyberattacks.

Addressing functional safety

Safety and security are particularly critical in the automotive sector, where driver and pedestrian safety is at stake and where memory and storage solutions need to support safe and secure connected, autonomous and electric vehicles. As the world leader in automotive memory and storage, Micron is committed to enhancing both the cybersecurity of our products and their functional safety. Functional safety addresses the imperfection of electronic systems and inherent failure rate of components. Several Micron teams work on functional safety, including a dedicated functional safety office staffed with industry safety veterans and experts, as well as system architects and applications engineers.

Micron has adopted industry standards for automotive safety, such as the International Organization for Standardization (ISO) 26262 standard for the functional safety of road vehicles and the ISO 21434 standard for autonomous vehicle cybersecurity. We require suppliers to submit hardware evaluation reports, we conduct our own functional safety analyses, and we provide guidance to customers so they can perform safety analyses of their own. In 2023, Micron began certifying our product security management system under the cybersecurity requirements of the ISO 21434 standard.



Increasing energy efficiency

Micron drives improvements in the power requirements, performance and size of each generation of chips. These improvements, in turn, enhance the value and capability of electronics used by people around the world.

Our teams continuously advance Micron's technology to meet power-efficiency needs for AI, our cloud-computing customers and electronic devices globally. Efficiency is an important customer requirement for improving battery life, reducing heat output and mitigating environmental impacts. Data centers alone use about 1% of global electricity, much of which comes from fossil fuel sources that contribute to climate change, and the volume of data produced and organized is projected to grow in coming years.

Even small improvements in product efficiency can yield important energy savings. For example, the Micron 9400, released in January 2023, delivers an estimated 77% better input/output operations per second per watt than its predecessor. Micron's HBM3E memory solution is also built for efficiency, and customers continue to give strong feedback that our HBM3E solution has a 30% lower power consumption than competitors' solutions. This efficiency can reduce training time for large language models like GPT-4 and lower the total cost of ownership.

Our new LPCAMM2 technology for AI-powered PCs enhances power conservation and lengthens device lifecycles, potentially reducing waste. The LPCAMM2 system optimizes energy use with up to 80% standby power savings to improve battery life, up to 7% better performance for digital content-creation workloads and up to 15% improvement for productivity workloads in PCMark 10 tests. In addition, LPCAMM2 enables faster, lighter and smaller notebooks with longer battery life and modularity for service and upgrades as technology and user needs evolve.

For higher memory performance and lower energy consumption enabled by the expansion of 5G, the 1β DRAM technology behind Micron's LPDDR5X was designed to perform at low power for an approximate 15% power-efficiency improvement over 1α memory. As intensive use cases, like machine-to-machine communications, AI and machine learning, adopt high-density, low-power memory made on Micron's 1β DRAM node, the flow of data between smart devices, systems and applications becomes more energy efficient.

As a result of a breakthrough in 2023, the Micron 3500 NVMe SSD is equipped with our 232-layer NAND to improve performance and power efficiency. It uses a low-voltage interface for an estimated 30% per-bit energy transfer savings, resulting in lower power consumption while providing the fastest possible access to data. For example, our Micron 3500 technology operates with up to 132% better performance for scientific and life science applications and up to 74% for visual effects, 3D modeling and media applications. For consumers in gaming, video editing, 3D rendering and heavy workload applications, our Crucial brand now offers the T700 PCIe 5.0 NVMe SSD, which is nearly two times faster than our Gen4 performance SSD.

Power-efficient technologies are a pressing and growing need for businesses, especially those looking to meet sustainability targets and reduce operating expenses. We collaborate with customers to deliver memory and storage products that increase energy efficiency. Our system power calculators are online tools that can help customers estimate memory power use when they make system architecture and design decisions. We also participate in standards bodies like the JEDEC Solid State Technology Association to help define industry standards for computing.

Micron solutions — from embedded AI accelerators to local storage — enable automation and efficiency across sectors, including our own. We implement these technologies across our operations, including in our industrial applications, facilities management and transportation.



Unlocking industry innovation

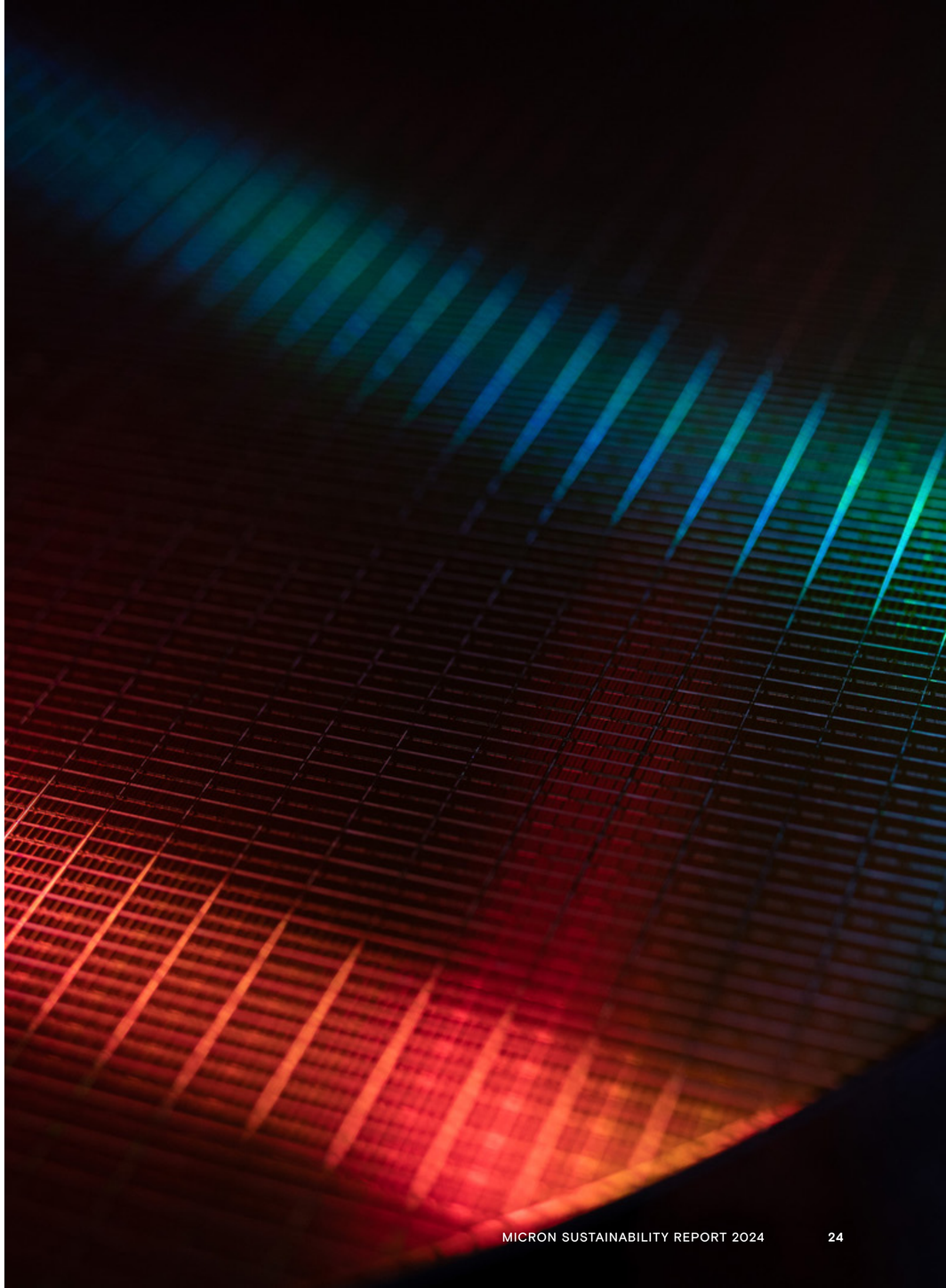
In addition to our leadership in innovative memory and storage technologies, we are also committed to unlocking even greater innovation and progress in our industry. The Micron Ventures organization supports the success of technology startups — those that develop transformative innovations but may lack the resources to bring them to the market without help. Our ventures team works with university and government partners globally to connect with innovators, assess proofs of concept and quickly identify technologies best positioned to scale.

Since announcing our $200 million deep tech fund, we have increasingly focused on technologies that can help decarbonize our own operations. For example, we continue to invest in clean tech startup Aqua Membranes, which has developed 3D-printed technology to optimize water filtration flow patterns and reduce energy consumption in industrial applications, including semiconductor manufacturing. We're also investing in Multiscale Technologies, a company that uses AI to accelerate research and development and potentially help companies like Micron bring new products into mass production faster and more sustainably, and Avicena whose optical interconnects facilitate low-power data center operation.

Micron co-hosts the Startups for Semiconductor Sustainability pitch event for innovators to help semiconductor manufacturers use energy and water more efficiently. In partnership with the industry association SEMI and 12 of our industry peers, we identify semifinalists and pair them with semiconductor experts who serve as advisors. Ultimately, finalists gain valuable exposure at the industrywide pitch event that occurs during SEMICON West, one of the industry's largest gatherings. Micron Ventures continues to engage with current and past finalists on potential investments, collaborations and proofs of concept.

Supporting a circular economy

To further foster innovation in products and processes, we support a circular economy and work to curb e-waste by enabling repairs and upgrades that extend device lifecycles. We recently launched a new memory solution (LPCAMM2), the first LPDDR-based memory available in a modular, user-upgradeable format. Additionally, our Crucial brand collaborates with iFixit to provide replacement kits and guides featuring Crucial SSDs. These efforts promote the repair and upgrade of electronics, reducing waste, resource use and greenhouse gas emissions.



Operations and environment

We look for ways to reduce our footprint as early as possible in our operations

Micron develops memory and storage solutions at our product development sites around the world. We then build these solutions at our front-end facilities (known as fabs) in Japan, Singapore, Taiwan and the United States before assembling and testing in locations including Malaysia and mainland China.

Our semiconductor fabrication begins at the nanoscale level in a climate-controlled cleanroom. Each wafer goes through hundreds of manufacturing steps over several months, during which chemicals and materials are precisely applied or removed for chip functionality.

Our manufacturing process flow requires energy to run equipment and maintain the cleanroom environment, uses water to safeguard cleanliness and provide cooling, and involves potentially hazardous chemicals and gases. These processes generate emissions and other waste that must be safely abated and managed. Scaling our products often requires new manufacturing equipment, materials and processing technologies, as well as additional process steps that can intensify our operational footprint. Even the most advanced abatement techniques and methods to prevent fugitive emissions are not perfectly efficient.

In island geographies where many of our operations are located, energy and water resources are often limited. We are also constrained by available space in our cleanrooms, which requires careful planning and engineering to optimize the placement of production and abatement equipment. In addition, for certain manufacturing steps, alternative chemistries with lower potential impact are not available.

Because these realities pose challenges to reducing our environmental footprint, we take a “shift-left” mindset to operational sustainability, finding ways to reduce our footprint as early as possible in each process. This shift-left principle, which anchors Micron’s approach, is a quality concept defined by early detection and resolution of potential issues or vulnerabilities in the development process. For example, we focus on minimizing waste generation before we explore options for reuse or disposal. We integrate environmental, health and safety (EHS) considerations — including energy, water and waste efficiency and Leadership in Energy and Environmental Design (LEED) criteria — into our processes, facility design and construction. We also use the International Organization for Standardization (ISO) 14001:2015 environmental management systems approach to continuously improve our technology development and manufacturing facilities, and our engineers and other team members prioritize our sustainability pillars of energy, emissions, water and waste. For instance, our technology development team is mitigating the adverse effects of technology node scaling by integrating environmental strategies into equipment and material selection and into process development.

During the technology development phase, we work closely with equipment and material suppliers to establish processes that reduce energy, water and chemical use; incorporate abatement strategies; minimize waste generation; and include segregation strategies for water reuse. As equipment nears the end of its lifecycle, teams identify replacement options that improve energy and material efficiency and address abatement and other factors.

Micron plans to invest approximately $1 billion by 2028 to advance our environmental goals. As part of this effort, we have invested approximately $313 million since 2021 to support initiatives including advanced water treatment, energy-efficiency improvements and greenhouse gas (GHG) mitigation measures. This commitment is complemented by credit facilities linked to our sustainability performance and a $1 billion green bond allocated to environmental projects across the company.

Environmental operations awards



Green Factory Label and a Cleaner Production Assessment certification, Taiwan



World Economic Forum’s Global Lighthouse Network, Taiwan and Singapore



National Energy Award, Bougainvillea Garden Award (Amazing Tangkak Festival) and 5-star rating award, best solid waste management (SWCorp), Malaysia



Virginia Water Environment Association Platinum Award (12 consecutive years)

Singapore National Water Agency, Water Efficiency Award



2024 Governor’s Environmental Excellence Award, Virginia

Goals and aspirations

In 2020, Micron set ambitious long-term goals for energy, emissions, water and waste. As our programs evolve, we revisit these goals to drive greater performance and address the expectations of our stakeholders.

Early in calendar year 2022 (CY22), we expanded our ambitions, setting new goals for our climate initiatives. We are working toward targets to reach net zero GHG emissions in our operations (scope 1) and purchased energy (scope 2) by 2050. As part of these commitments, we are targeting a milestone — a 42% absolute reduction compared to a CY20 baseline — to achieve 2030 scope 1 emission reductions that support the objectives of the Paris Agreement. These goals complement our target to achieve 100% renewable energy for purchased electricity in our existing U.S. operations by the end of 2025.

We continue to invest in programs to advance our environmental initiatives. Specialized Micron teams are working on solutions to accelerate renewable electricity use, increase energy efficiency and pursue environmental innovations such as addressing heat transfer fluids and fluorinated GHGs to help reach our goals.

Pillar	Goal	Aspiration	Actions	CY23 performance[1]
Emissions	42% absolute reduction in scope 1 emissions by CY30 from the CY20 baseline	Net zero scope 1 and 2 emissions by CY50	Reducing direct emissions through actions including upgrading and optimizing process equipment, converting to hot deionized water and transitioning to lower-emitting heat transfer fluids Reducing indirect emissions through designing energy-efficient facilities and smart-controlled systems and transitioning to renewable electricity where available	11% decrease in absolute scope 1 emissions in CY23 compared to CY20
Energy	100% renewable electricity in the U.S. by the end of CY25 100% renewable electricity in Malaysia (ongoing)	100% renewable energy globally, where available	Procuring renewable energy opportunities in multiple operating locations	100% renewable electricity in Malaysia Three new contracts sufficient to cover estimated electricity needs in the U.S. secured as of the end of CY25
Water	75% water conservation through reuse, recycling and restoration in CY30	100% water conservation through reuse, recycling and restoration	Implementing new reclamation technologies, completing a new water restoration project in Japan and continuing the pilot with a venture startup	66% water conservation through reuse, recycling and restoration
Waste	95% reuse, recycling and recovery, and zero hazardous waste to landfill in CY30[2]	Zero waste to landfill through waste minimization, reuse, recycling and recovery	Minimizing waste generation, improving waste stream segregation, enhancing waste recovery systems and engaging with alternate waste disposal vendors	94% reuse, recycle and recovery (including energy recovery) Zero hazardous waste to landfill

[1] Micron's environmental performance is measured by calendar year. Environmental goals are targeted for the end of the referenced calendar year.
[2] Subject to vendor availability

Our environmental goals

Water
75%
water conservation through reuse, recycling and restoration in CY30

Energy
100%
renewable electricity in the U.S. by the end of CY25; renewable electricity in Malaysia (ongoing)

Emissions
42%
absolute reduction in scope 1 emissions by CY30 from CY20 baseline

Net zero
scope 1 and 2 emissions by CY50

Waste
95%
reuse, recycling and recovery, and zero hazardous waste to landfill in CY30, subject to vendor availability

Greenhouse gas emissions and energy

Micron's focus on developing low-power, more sustainable devices parallels our work to reduce GHG emissions and improve energy efficiency in our operations. Our approach to GHG management begins with collecting, analyzing and reporting data specific to these emissions. We report on GHG emissions through CDP (formerly the Carbon Disclosure Project), the primary international organization standardizing corporate and government environmental data reporting on GHG emissions and other environmental criteria.

Electricity consumption, process GHG emissions and heat transfer fluid use account for 92% of Micron's total scope 1 and 2 emissions, with most of the remainder coming from fuel use. We use this information about our processes together with input from customers, investors and standards-setting organizations — such as the Science-Based Targets initiative (SBTi) — to establish and review GHG emissions- and energy-related goals.[1] We intend for our energy and emissions goals to support the objectives of the Paris Agreement to limit planetary warming to well below 2 degrees Celsius (2 C) above preindustrial levels and the United Nations Sustainable Development Goal 13 on climate action.

Addressing leading sources of emissions

Micron is addressing our GHG emissions from electricity use by investing in energy-efficient equipment. Examples include smart controls that enable just-in-time and eco-mode operations; shared pumps, chillers and abatement units for auxiliary equipment; and energy recovery systems that minimize wasted energy.

Process GHG emissions, such as nitrous oxide and fluorinated gases, are mainly emitted from our etching process and the plasma chamber depositing and cleaning process. Today, few suitable low-GHG emissions alternatives exist for these processes. We are collaborating with suppliers to invent low-emissions etch chemistries, increase gas use efficiency and abate emissions more efficiently at the tool level. These efforts require close partnership with process tool suppliers, gas suppliers and academic researchers to invent novel chemistries and technologies. In 2023, we expanded installation of emission-abatement tools and other abatement strategies to evaluate the feasibility and scalability of the technology for achieving higher destruction-removal efficiencies. In processes where complete abatement is impossible, we are exploring more refined exhaust segregation and purification technologies.

Heat transfer fluids are an important source of Micron's GHG emissions, and we are making progress by increasing use efficiency and transitioning to alternatives with lower global warming potential (GWP). In 2023, we continued to make improvements like upgrading process tools, optimizing chillers and other equipment, and qualifying new heat transfer fluids with lower GWP.

We are also exploring opportunities to reduce fuel use in our operations, including phasing out boilers in favor of heat pumps, capturing and reusing waste heat, and implementing other efficiency improvements.

In each of these areas, smart manufacturing controls provide more information that helps enhance our decision-making. These emerging technologies can provide real-time insights into our operating conditions and processes, allowing us to detect inefficiencies quickly, identify new opportunities for improvement and make continuous adjustments to reduce emissions.

Engaging our supply chain

Actively engaging suppliers in our GHG emissions and energy-reduction efforts is key for spurring innovation and making meaningful progress. One way we work with our suppliers is as a founding member of the Semiconductor Climate Consortium, a group that focuses on reducing GHG emissions across our industry. Additionally, as a member of the CDP Supply Chain program, we collaborate with suppliers around their GHG emissions-reduction programs and other initiatives that contribute to supply chain sustainability.

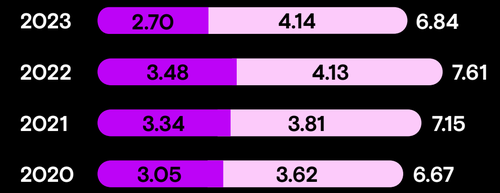
Micron annually reports our scope 3 emissions through CDP, and we analyze the sources of our value chain emissions for potential reduction opportunities.

[1] While we recognize the relevance of SBTi as a key standard-setter for corporate climate targets, we have not committed to establishing a SBTi-approved target as a result of constraints in several areas, including growth in industry output and availability of renewable energy in key operating locations.

Progress toward GHG and energy goals

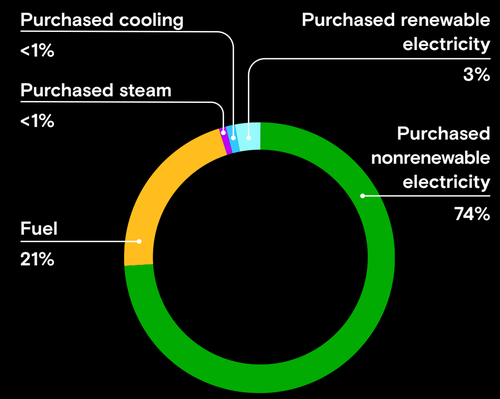
Total GHG emissions

Emissions for calendar year in million metric ton CO_2-equivalents



- Emissions from operations (scope 1)
- Emissions from purchased energy (scope 2, market-based)

Energy breakdown by source



All data is for the calendar year. Detailed figure can be found in **Performance at a glance**.

Optimizing energy use

As established by our energy strategy, Micron uses efficiency as our primary lever to reduce energy use in our processes. We continue to improve our efficiency metrics and management, and as of March 2024, seven of our sites hold ISO 50001:2018 certification. Incorporating energy efficiency into our LEED-certified buildings is also an important strategy in our energy management programs.

Micron has been collaborating closely with suppliers on enabling power system-related hardware and software solutions across our global manufacturing sites. This collaboration has extended into the field of energy optimization powered by AI analytics, and we are piloting this approach in one of our Taiwan fabs to support progress toward our net zero goal. This partnership may further strengthen our efforts and commitment on energy optimization. We aim to scale the pilot program to global manufacturing sites based on promising energy-saving results for key facility systems such as chillers, compressed air units and more.

Transitioning to carbon-free energy

In addition to efficiency, we consider the availability of affordable renewable energy based on the unique conditions of each location where we operate. Our approach to procuring renewable energy includes green tariffs, physical and virtual power purchase agreements (PPAs), renewable energy certificate (REC) purchase agreements and on-site solar to mitigate our scope 2 emissions. The U.S. continues to be the most cost-effective location for procuring renewable energy among our fab sites, while the renewable supply remains limited and not cost-effective at our Asian fab sites.

Micron is a member of the Clean Energy Buyers Association, a consortium of large-scale energy buyers, developers, service providers and nongovernmental organizations. We are also part of a working group in Japan with representatives from diverse industries collaborating on a solution to bring more clean energy options to the country's energy grid.

In 2022, we signed a 15-megawatt corporate solar on-site PPA in Singapore, initiated one of our first on-site solar self-investment projects at our manufacturing facility in Hiroshima, Japan, and signed our first corporate PPA in Taiwan. Building on that success, in 2023, we signed additional agreements with developers like Terra-Gen that will help enable our goal of 100% renewable electricity in the U.S. by the end of 2025. The 40-megawatt Black Mesa solar project located near our Boise headquarters came online in June 2023 to support these efforts. These resulted in double the energy procurement as compared to 2022.

In the last quarter of CY23, Micron achieved 100% renewable electricity for our operations in mainland China through the purchase of green electricity certificates (GECs). We also expanded our on-site solar capabilities in Singapore and continue to purchase 100% renewable electricity for our facilities in Malaysia through the Green Electricity Tariff program.



Boise, Idaho

Water

As semiconductor manufacturing technologies have become more complex, demand for water in our industry has grown, and managing our water use is among our top environmental priorities. We are working toward an aspiration of reusing, recycling or restoring 100% of the water used in our operations, with an interim goal of 75% by the end of 2030. This goal has two components: enhance water reuse and recycling infrastructure in our facilities and engage in water restoration projects that meet current and future demand for water for local ecosystems and communities.

We have allocated green bond funds to water management projects that are expected to save millions of cubic meters of water a year across several Micron sites. As we consider where and how to make additional investments, we use the World Resources Institute's Aqueduct tool to evaluate local water conditions. Three of our locations and 18% of Micron's total water withdrawals come from areas of high water stress — such as our facilities in Xi'an, China, Boise, Idaho, and Manassas, Virginia[1] — and many of our locations face potential water stress. We know it is critical to be a good partner in managing local water resources.

Making the water from our fabs available for reuse and recycling is energy intensive because the treatment required increases energy consumption. Here, our pilot with Aqua Membranes, one of the startups we support through our ventures program, is showing promising results. In early testing at our Boise facility, Micron water teams have performed first-of-a-kind assessments of Aqua Membranes technology, demonstrating 20% energy savings from Aqua Membranes' printed spacer strategy when compared with the reverse osmosis water membrane technology currently used in the industry. As we continue to engage with Aqua Membranes and scale its membranes for use in semiconductor manufacturing settings, we aim to enhance our ability to reuse water and reduce energy consumption.

To make progress toward our water restoration goal, we participate in local water projects in the communities where we operate. For example, Micron is a steward of the Nankan and Dongmen rivers in Taiwan and has donated nearly $10 million to a dredging project that will restore storage capacity to the Shihmen Reservoir, the region's primary water source. We are also investing in river restoration projects in Idaho and Virginia that improve an estimated 0.5 and 3.7 million cubic meters of water annually, respectively. The initiatives we support globally to clean and conserve water may also promote local biodiversity.

To understand the significance of Micron's water conservation aspirations, it helps to consider how we source, use and treat water

Sourcing. The primary source of water at our manufacturing sites globally is the municipal supply. We partner with local water authorities to understand the implications of different geographies, climates, watersheds and infrastructure, and then we tailor the approach to water management at each site.

Use. We use ultrapure water to clean wafers during manufacturing. This water comes from a combination of recycled water sources in our operations and local, untreated water before it is treated to meet the standards required in our manufacturing facilities.

Reclaiming and reusing. Our systems reclaim the water used in cleaning and other processes. We then reuse it within the same process or in other applications such as boilers, cooling towers and pollution abatement equipment (a practice that, in turn, lowers water consumption).

Treatment. Each Micron site has infrastructure to treat wastewater that is not recycled or reused to ensure that it meets or exceeds applicable water quality standards. Our treatment methods vary by site and include membrane filtration, ion-resin adsorption, precipitation, bio-oxidation and neutralization.

[1] Revisions to the WRI Aqueduct water risk atlas in late 2023 reclassified Boise, Idaho, as a location of extremely high water stress and Manassas, Virginia, as high water stress.

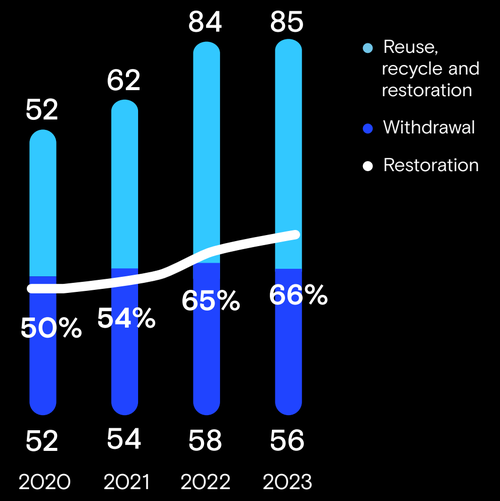
Progress toward water stewardship goal

84.8 million m³

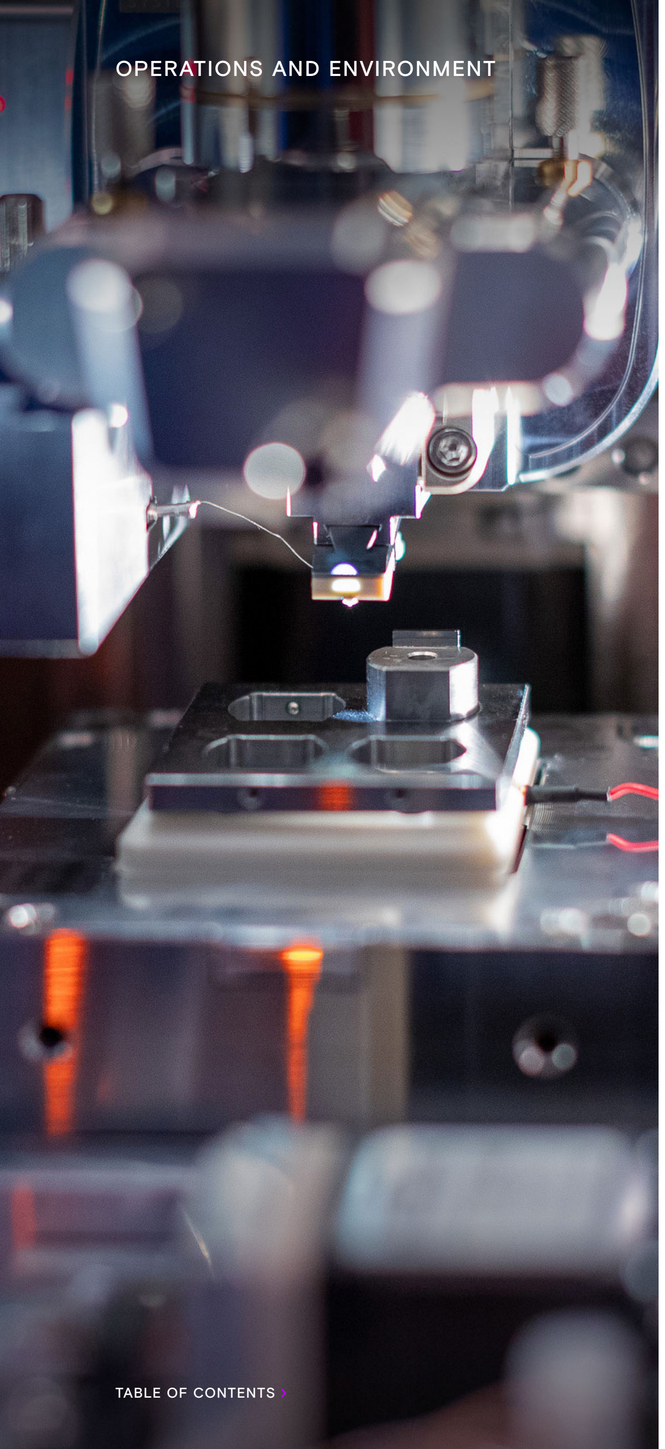
water reused, recycled and restored

Water use and recycle

Water volume in million m³



All data is for the calendar year. Detailed figure can be found in **Performance at a glance**.



Hazardous and restricted substances

Micron manufacturing processes and finished products incorporate substances that may be considered as hazardous under certain regulatory programs. We prioritize chemical reduction, alternative chemistries, engineering controls and other safety measures to mitigate these risks.

The processes that transform a wafer into hundreds of individual die use chemicals like acids, bases and solvents to selectively build and break down layers through chemical deposition, patterning, removal and cleaning. Micron maintains an ongoing improvement program to reduce the amount of hazardous chemicals used in manufacturing and evaluate what can be done to prevent or mitigate environmental impacts that may stem from the use of chemicals. Micron also works to protect the safety of all team members who interact with chemicals.

Micron's commitments to enhancing safety and reducing potential harm start with a rigorous review and approval process of chemicals used at our facilities. This review is intended to prevent banned or restricted chemicals from reaching our operations and facilitates the proper handling, use, recycling or disposal of chemicals. It also allows Micron to track and understand our chemical use profile so that we can implement chemical reduction and elimination initiatives.

In addition to manufacturing processes, Micron also assesses product content. The chemicals and materials in our products are regulated in many parts of the world. Micron's global EHS, product compliance, procurement and legal teams work together to implement Micron's regulatory and customer product requirements. Regulations include the European Union (EU) Directive on the Restriction of Hazardous Substances (RoHS), the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), the Stockholm Convention on Persistent Organic Pollutants (POPs) and other lists of banned or restricted substances.

Micron monitors proposed regulatory changes that could affect manufacturing processes and products. We have established a team of subject matter experts who identify emerging substances of concern and, to the extent feasible, work toward removing such chemicals and materials before they are restricted by customers or regulators. Being proactive in our regulatory monitoring, product compliance, validation and certification processes allows Micron to deliver innovative products while controlling restricted substances and conforming with applicable requirements.

Supplier engagement is critical in managing restricted substances in chemicals and materials. Micron communicates our expectations and restrictions to suppliers, including training on restricted substance control and regulatory change. Supplier programs include regulatory monitoring, chemical hazard assessment and substance inventory monitoring. We focus on helping suppliers improve their processes so that they can respond to risk assessments and audits of their restricted substance control programs and ensure compliance.

When chemicals are restricted and added to regulatory lists, Micron's procurement team communicates new requirements throughout the supply chain. We provide necessary documentation and training and require a response from each supplier regarding use. Micron also expects suppliers to monitor applicable regulatory standards and requirements for continued compliance.

When necessary, suppliers must submit information to regulatory reporting databases including the EU's Substances of Concern in Products (SCIP) database. Micron has processes for submitting information related to in-scope products to SCIP and other monitoring systems. These processes facilitate the development of circular economies and demonstrate Micron's commitment to conformance.

Waste management

Our operations have the potential to generate hazardous waste, such as solvents and acid waste, and nonhazardous waste, such as plastic and sludge from wastewater treatment. Micron works to optimize the materials and resources we use to avoid waste generation and minimize the environmental impact of unavoidable waste.

We continue to improve our waste reuse, recycling and recovery (RRR). In 2023, we took additional steps toward our corporate target of 95% waste RRR by 2030 by optimizing process recipes to reduce chemical waste, implementing alternative chemistries, refining segregation methods, improving the rate of on-site reuse, and collaborating with vendors on external reuse and recycling solutions. Through these efforts, we achieved a 94% RRR rate in 2023 and maintained zero hazardous waste to the landfill for two consecutive years. While these numbers are approaching our 2030 waste targets, closing the remaining gap may be challenging as we expand our manufacturing and production and face possible trade-offs among our waste, water, emissions and other impacts.

We have invested in waste-reduction technologies such as a high-efficiency filter press that decreases sludge volume and the distillation of isopropyl alcohol and ammonia solutions that increases potential reuse off-site. Micron also closely reviews potential vendors before selecting companies to manage materials or dispose of waste generated from our processes.



Boise, Idaho

Progress toward waste goal

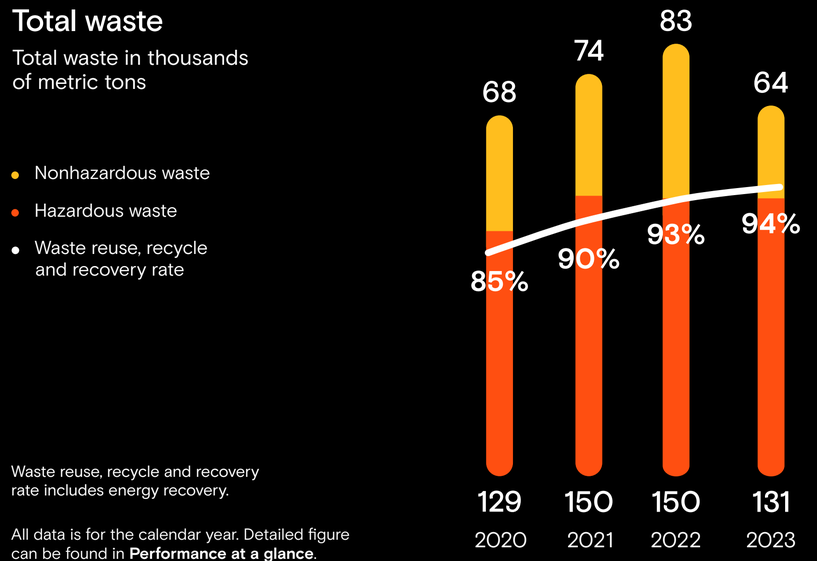
94%

waste reused, recycled and recovered



Total waste

Total waste in thousands of metric tons



Waste reuse, recycle and recovery rate includes energy recovery.

All data is for the calendar year. Detailed figure can be found in **Performance at a glance**.

Sustainability from the ground up

We consider sustainable building attributes, such as LEED criteria, when we undertake new building design. Four of our manufacturing facilities in Taiwan and Singapore currently hold LEED Gold certification, and two office buildings in India hold LEED Platinum certification.

Micron has allocated green bond funds to support potential LEED Gold or better certification across nine sites in Taiwan, mainland China, Japan, Malaysia and the U.S. Our new fab expansion in Boise, Idaho, will incorporate green infrastructure and sustainable building attributes. For this project, Micron submitted our application for LEED certification using a campus project approach, with the aim of achieving LEED Gold status or better for different structures. We are also planning to build our new fab in New York with sustainable attributes and will pursue a design consistent with LEED Gold certification.

These are some of the sustainable design and construction features planned for the Boise expansion:

- Zero liquid discharge for minimal to zero routine wastewater discharge from the site, which will become operational after full facility ramp-up
- Enhanced wastewater drain segregation, with additional separation streams and dedicated treatment for a higher reclaim/reuse rate
- Energy-efficiency optimization measures in the fab building to target between 15% and 20% less energy use compared with ASHRAE 90.1-2010 benchmark buildings
- Optimized chilled water and compressed dry air system to increase operational energy efficiency
- Free-cooling outside-air economizer to reduce the cooling load when ambient conditions allow
- Enhanced GHG pollution control and minimization measures
- On-site concrete batching plants during building construction to reduce emissions from concrete vehicle deliveries
- Chemical recovery and reuse systems for manufacturing process tools
- Enhanced process cooling water systems to reduce water loss and improve heat recovery



Taichung, Taiwan

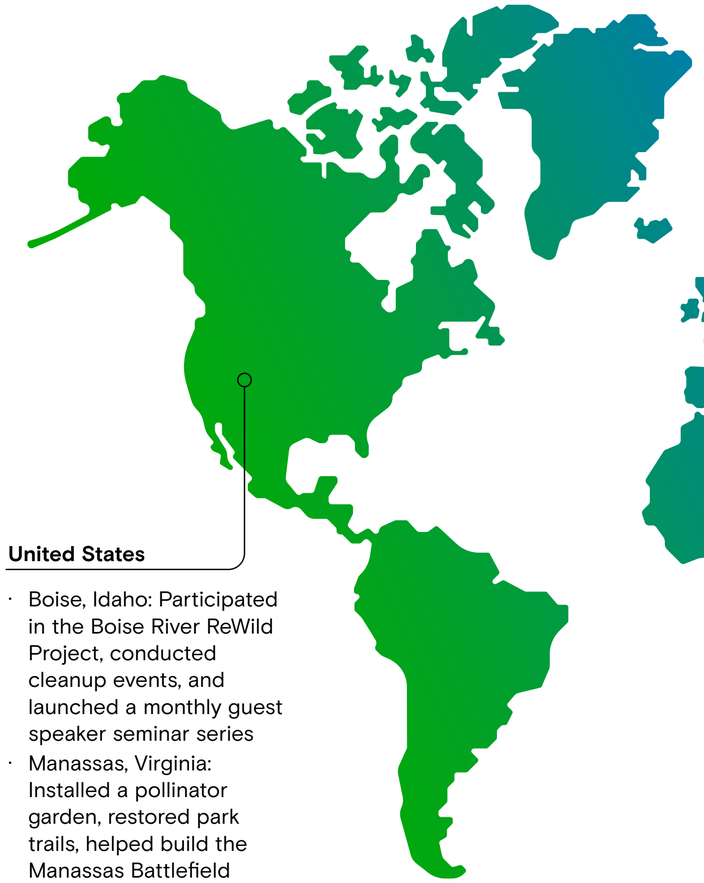
"Sustainability at Micron starts with planning. We ask, 'How can we design buildings smarter? How can we operate greener?' Those answers inform what we do. We are committed to protecting the environment and communities that sustain us, and I'm incredibly proud of that."

Elizabeth Elroy
VP, Global EHS and Sustainability

Volunteers in action

Besides environmental sustainability efforts at our global manufacturing locations, our network of environmental champions organizes and promotes environmental initiatives throughout the year, including annual events like Earth Month and Climate Week.

2023 volunteer activities



United States

- Boise, Idaho: Participated in the Boise River ReWild Project, conducted cleanup events, and launched a monthly guest speaker seminar series
- Manassas, Virginia: Installed a pollinator garden, restored park trails, helped build the Manassas Battlefield boardwalk, and expanded the composting program

Europe

Marked Earth Month with local cleanups in Italy, and promoted environmental awareness

Mainland China

Organized community cleanup in a high-tech zone to promote greener practices

Japan

Led forest cleanup for better watershed health, conducted cleanups across the country, and organized a Micron team of volunteers for a tidal flat remediation project

Taiwan

Helped lead a tree-planting marathon, adopted and cleaned beaches and waterways, and held a World Water Monitoring Day awareness event

India

Planted trees and cleaned up beaches

Malaysia

Planted 500 mangrove trees, promoted home and business energy conservation and waste reduction, hosted creative recycling drives including for used cooking oil, and partnered with local agencies for e-waste recycling drives

Singapore

Organized cleanup and recycling events and community tree plantings, partnered to advocate for food waste reduction, and raised awareness about renewable energy and resource use

Responsible sourcing

We take managing our complex, global and diverse supply chain seriously

Micron handles an intricate global technology supply chain. We procure direct materials, including silicon wafers, chemicals, gases and components, as well as indirect supplier services such as energy, maintenance and construction. As a memory and storage producer with experience from both the supplier and customer perspectives, we play a key role in driving sustainability progress.

We work closely with suppliers to assess risk, drive corrective actions and encourage improvement. Micron's supplier requirements standard establishes expectations for the tier 1 suppliers we source from directly and their supply chains. While the increasingly diverse geography of our supply chain enhances our resilience, it also challenges us to ensure all suppliers adhere to our global standards. At the same time, a growing number of customers and suppliers share our commitment to advancing priorities such as human rights and product stewardship.

With a focus on integrity and engagement in our supply chain, we began using a new due-diligence platform in 2023 to evaluate supplier compliance. Our due-diligence work with suppliers helps forge deeper business relationships and emphasizes targeted efforts such as our supplier scope 3 initiative. We also held our second annual supplier day, where senior leaders honored top-performing supply partners with Micron awards in 12 categories, including sustainability and diversity.



Micron supplier awards dinner 2023

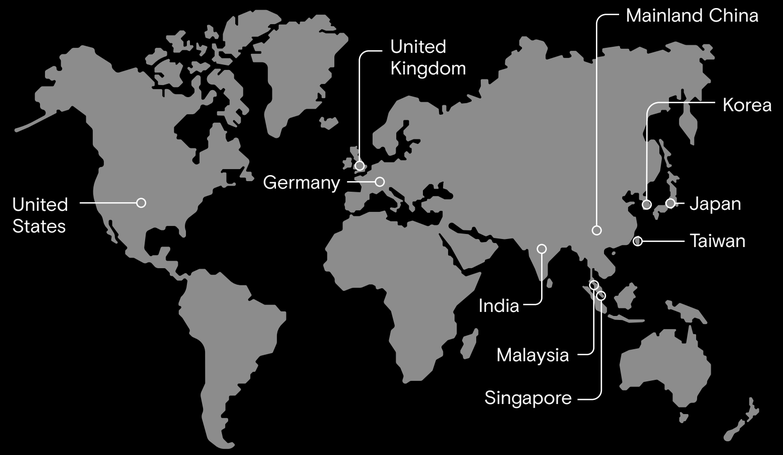
Suppliers at a glance

$509M
annual spend with diverse-owned suppliers[1]

$17.0B
total costs of goods sold

~30
locations

Top 10 supplier locations by spend



8,000+
total suppliers

6,000+
utilized suppliers

[1] Data for fiscal year 2023; includes suppliers that Micron sources from directly (tier 1), as well as their suppliers (tier 2)



Boise, Idaho

Supply chain risk assessment

Close engagement with suppliers allows us to get ahead of potential risks. This capability is especially important as we grow our business, respond to evolving trade requirements and diversify our supply chain.

Micron's supply chain risk and resilience program includes global processes and partnerships with third-party risk service providers. We have a team of highly skilled professionals who work with suppliers on supply chain performance expectations for labor, health and safety, environmental practices, ethics and management systems. By better understanding the profiles of our suppliers and mitigating potential risks to the business, we can continuously manufacture and deliver products to customers while upholding our sustainability standards.

Assessing risk in our supply chain

Micron performs supplier risk assessments in alignment with our guiding document, the Micron code of conduct, and with the Responsible Business Alliance (RBA) code of conduct. We evaluate the assessment results to generate a risk score and require any suppliers with high risk scores or deficiencies to develop plans for addressing the areas of concern. In addition, we expect applicable suppliers to comply with and report on the following:

- Annual RBA self-assessment questionnaire or any other assessment or audit initiated by Micron
- U.S. Foreign Corrupt Practices Act
- U.K. Bribery Act
- California Transparency in Supply Chains Act of 2010
- U.K. Modern Slavery Act of 2015
- European Union (EU) Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), updated every six months or as any product change requires
- EU Restriction of Hazardous Substances (RoHS), updated and provided every 12 months or as any product change requires
- Greenhouse gases and reduction targets via CDP
- Water use and impacts via CDP
- Sustainability/corporate social responsibility or equivalent report
- Micron's responsible minerals policy and due-diligence reporting requirements
- Micron's supplier responsibility and compliance training program
- Micron's supplier diversity initiatives

To aid with our assessments, Micron requests transparency from our tier 1 suppliers through supply chain visibility mapping, surveys and passive assessments, which are remote tools designed to gather the following information:

- Manufacturing locations, emergency contacts, manufacturing recovery time and locations of critical sub-tier suppliers
- Business continuity processes and programs at manufacturing locations
- Responses to impact notifications associated with Micron's supply chain
- Programs and policies related to ethics, environment, forced labor and safety

Micron also includes sub-tier suppliers in this effort.

As part of these assessments, Micron uses software to manage supplier inputs and data. This practice improves the coverage, resources and processes used to uphold high expectations for our suppliers. As a check on this and other processes, we maintain a compliance helpline for anonymous reporting of violations in our supply chain.

In fiscal year 2023 (FY23), Micron conducted a combination of on-site and remote assessments, performed both by Micron employees and third parties. For FY23, we assessed all 819 new suppliers, compared to the 884 new suppliers added in FY22.

We continue to require training for new suppliers and for those involved in business reviews. The training focuses on the responsibilities of and expectations for our suppliers, including Micron's code of conduct, RBA requirements and product compliance standards. We also have more tailored training for indirect service suppliers. More than 4,600 supplier representatives, including new suppliers and incumbent strategic partners, have participated in this virtual training since FY18. Training is part of our supplier performance management process, with suppliers receiving a score for training completion in the sustainability section of their scorecard.

Managing risk in our supply chain

Micron's responsible sourcing and resilience group oversees supply chain risk management, which includes environmental, human rights and geopolitical risks. This team continues to mature its mission of enabling a resilient, compliant and sustainable global supply chain, a process that involves screenings, assessments, investigations, risk profiling, and development and audits of new and incumbent suppliers.

A comprehensive suite of tools helps us stay informed about potential supply chain risks, including those related to human rights, and then target actions to manage those risks. For example, we use tools that provide public real-time information about our suppliers, continuous monitoring of global events involving or affecting our suppliers, supplier assessments and identification of policy gaps, and tracking of regulations relating to forced labor.

New suppliers

1

Onboarding

Suppliers are required to perform a self-assessment covering topics such as ethics and compliance, human rights, environment and safety. We evaluate each supplier's request based on the self-assessment and the results of a due-diligence screening, which is conducted for all new suppliers. We work with suppliers to remedy issues that are identified during their onboarding.

2

Monitoring

We adopt a risk-based approach to monitoring our suppliers. We use information such as their geographical locations, the nature of their engagement, their inherent risk and results of due-diligence screening to evaluate the supplier risk profile.

3

Assessing and auditing

When potential risk is identified, we conduct further due diligence including supplier assessments and audits on-site or remotely based on factors such as ethics and compliance, human rights, environment and safety.

4

Mitigating and continuously improving

Suppliers implement mitigation or improvement measures based on the assessment and audit results. We work with our suppliers to review their measures regularly to verify the effectiveness and provide necessary assistance. For cases when improvement is insufficient, we take additional actions until issues are resolved or disqualify suppliers when necessary.



Hiroshima, Japan

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Taichung, Taiwan

Human rights in our supply chain

Micron works to advance human rights in our own operations and expects our suppliers, contractors and other partners to do the same.

The RBA plays a critical role in upholding a single set of expectations regarding social and environmental responsibility and provides a single process for demonstrating conformance. As members, we adhere to the common RBA code of conduct, which addresses supply chain performance expectations for labor, health and safety, environmental practices, ethics and management systems. Through RBA training materials, monitoring tools and third-party audits, we support the efforts of our suppliers to maintain responsible operations. We also hold suppliers accountable when they fall short of expectations.

Along with other members of the RBA, we are committed to eliminating forced labor through training, dialogue with government officials and interviews with migrant workers about their working conditions. To help safeguard human rights, we have adopted the framework of the RBA's worker voice program and make our compliance helpline available to workers throughout our supply chain.

All our suppliers and contractors are expected to abide by the Micron code of conduct, which aligns to the RBA code, as well as with our human rights policy and relevant laws, especially regarding child and forced labor. Our commitment to combating child and forced labor is made public through our slavery and human trafficking statement.

Human rights risk assessments show that manufacturing sites, particularly those in certain parts of Asia, are at a higher level of risk than other work locations. For this reason, we focus on areas of higher risk for violating our standards when we conduct supplier risk assessments and audits of our operations. Micron's board of directors oversees our human rights efforts as part of their oversight and monitoring of Micron's sustainability efforts, including approving our annual modern slavery and human trafficking statement.

We monitor the following human rights areas as they relate to our supply chain:

- Working hours
- Fair wages and benefits
- Worker health and safety
- Nondiscrimination and anti-harassment
- Freedom of association

Oversight of human rights begins with anyone who works on a Micron site in any capacity, from security to construction work. It extends to the employees of our suppliers and to anyone hired temporarily by suppliers, who, in some parts of the world, are foreign migrant workers.

Because of their vulnerable status, foreign migrant workers across industries face a variety of potential risks that require additional due diligence. For example, workers may have their passports withheld or be charged recruiting or administrative fees when they are recruited by suppliers. These fees can amount to more than several months' pay and may lead workers to take out loans, effectively forcing them to pay to have a job. In addition, many migrant workers send the bulk of their earnings back to their home countries to support their families, making the payment of loans and fees especially burdensome.

To reduce the risk of violations against foreign migrant workers in our direct workforce, Micron only engages recruitment agents who comply with RBA code requirements. Our sourcing organization vets the Micron recruitment agents who connect us with workers in both the sourcing and receiving countries, reviews the policies and procedures that workers are subject to and audits the dormitories where workers live.

The requirements of the RBA code regarding forced labor may differ from the local laws regarding fees, levies and working hours in many countries where we do business. While the variations add complexity, we enforce the more stringent standard if local laws and the RBA code differ.

Top supplier audit findings 2023

These are the top findings by area, listed in order of occurrence, from validated assessment program (VAP) audits conducted in 2023:

- Labor
- Health and safety

Responsible minerals

Like many technology companies, Micron relies on tin, tungsten, tantalum, gold (3TG) and a range of other minerals in the manufacturing of our products. 3TG materials, known as conflict minerals, are abundant in the Democratic Republic of the Congo and surrounding countries, a region that has endured sustained conflict and human rights violations. We recognize that these and other raw materials, which may also originate outside the Democratic Republic of the Congo, are subject to controversy based on social and environmental concerns about how they are obtained. With this in mind, we monitor rare earth elements, metals and materials originating from many regions that are used within our supply chain. This monitoring helps us understand global risks related to human rights, potential restrictions, availability, pricing and implications to manufacturing processes and products while also focusing due diligence on worldwide 3TG minerals. After expanding the scope of our responsible minerals program in 2022 to include cobalt, we began collecting information on our cobalt sourcing in 2023.

Micron is committed to ensuring that minerals used in the manufacture of our products, regardless of originating country, do not directly or indirectly fund violence or human rights abuses. Collaboration among governments, industries and communities is key to achieving this goal. Reflecting this philosophy, Micron is a founding member of the RBA's Responsible Minerals Initiative (RMI), a consortium that works across the minerals industry to develop a common approach for addressing conflict mineral supply chains and protocols. This approach has expanded to include other minerals beyond 3TG. The RMI includes a third-party auditing process, due-diligence tools and a public database documenting where each smelter or refiner stands in its conflict-free sourcing journey. Micron is also a collaborative member of several RMI working groups and task forces.

Our goal is to source entirely from smelters and refiners validated by third-party audits as conformant to the RMI's Responsible Minerals Assurance Process (RMAP) or similar cross-recognized programs from the Responsible Jewellery Council or London Bullion Market Association (LBMA). Our processes align with international best practices on due diligence set forth in the Organisation for Economic Co-operation and Development's Due Diligence Guidance for Responsible Supply Chains of Minerals From Conflict-Affected and High-Risk Areas. We comply with section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act, which requires publicly traded U.S. companies to track, monitor and report annually on conflict minerals in their supply chains.

To help Micron achieve the objectives of our responsible minerals policy, we require suppliers to comply with our responsible minerals program by completing these tasks:

- Reading and understanding Micron's responsible minerals policy
- Providing a complete, updated conflict minerals reporting template (CMRT) and extended minerals reporting template (EMRT) disclosing the source of relevant minerals that may be present in products sold to Micron, including the smelters or refiners from which the conflict minerals originated
- Updating CMRTs and EMRTs within two weeks of any smelter or refiner changes in any part of the supply chain
- Adopting a conflict minerals policy dedicated to achieving a conflict-free supply chain
- Participating in and facilitating audits of facilities, conflict mineral policies, conflict mineral procedures and associated records
- Directing their own suppliers to adopt conflict mineral policies and complete necessary conflict mineral diligence surveys

Micron implements policies and procedures to help ensure our existing suppliers rely on smelters and refiners that comply with the RMI's RMAP, and we engage only with new suppliers who make similar commitments. We require suppliers to remove nonconformant smelters within 13 weeks of when they fail to comply with the RMI, but they often resolve issues sooner.

We are committed to transparency and publish an annual conflict minerals report on our due diligence and progress toward a conflict-free supply chain.



Supplier environmental engagement

Micron has a significant opportunity to partner across our industry to influence the environmental performance of suppliers. A limited number of equipment manufacturers supply the technologies used in Micron's fabs and those of our peers. Micron communicates our sustainability commitments to our suppliers and follows their progress in reducing water and energy use. As we ramp up our work toward reducing the environmental footprint of our own operations, we use the RBA audit process to survey suppliers' programs for improvements in energy efficiency, reduced greenhouse gas (GHG) emissions, and reductions in the generation of solid waste, wastewater and other air emissions.

Beyond encouraging suppliers to disclose and address their direct carbon footprints, we are partnering with them to drive environmental improvements at Micron sites. We work closely with a group of capital equipment suppliers to find ways to advance Micron's energy, emissions, water and waste goals at our manufacturing sites.

We are also collaborating with suppliers to help us address our scope 3 supply chain emissions by focusing on projects that generate reductions in their own scope 1 and 2 footprints. We require key suppliers to report details on their GHG emissions and water footprint by sending Micron their CDP submissions or providing GHG data directly.



Supplier diversity and inclusion

At Micron, we understand the influence of sourcing decisions on our company and communities. In 2020, Micron established an aspirational commitment to increase spending with and representation of diverse suppliers. To achieve this, Micron employs a strategy that focuses on four pillars of impact.

The first pillar is direct impact, which encompasses the sourcing that Micron does directly and includes our end-to-end procurement processes and the systems, tools and policies that enable and govern our work. Examples include outreach initiatives to diverse suppliers, database tools to identify diverse businesses, sourcing platforms that are configured to measure inclusion in competitive bids, and policies that ensure the fair, unbiased consideration of diverse businesses in new sourcing. We strive to eliminate barriers and create an equal playing field for potential suppliers, while never compromising on our goal to select the best supplier to meet our business needs.

The second pillar is indirect impact. As a global leader in the semiconductor industry, Micron has significant influence within the larger supply chain ecosystem, which is why we strongly encourage our suppliers to have their own supplier diversity programs in place. We work with our suppliers to set targets and help them to build their own capabilities. We hold them accountable via performance management processes, such as supplier scorecards. By partnering with our suppliers to have supplier diversity programs in place and working to engage diverse businesses to fulfill Micron contracts, we amplify our influence and foster opportunities at the tier 2 level and beyond.

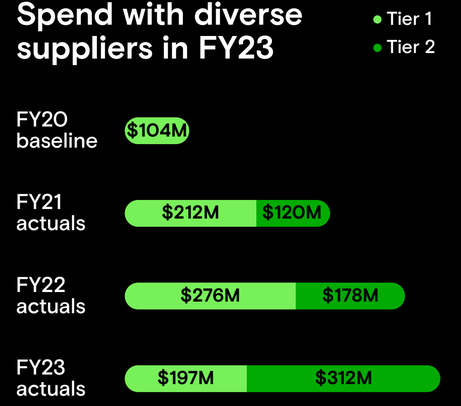
The third pillar is ecosystem impact. To foster business ecosystems where diverse businesses can grow and thrive, we invest in partnerships at the national and local levels to support the growth and success of diverse businesses through greater access, capacity building, advocacy and training. Micron is a proud member of the National Minority Supplier Development Council, WEConnect International, National LGBT Chamber of Commerce, U.S. Black Chamber of Commerce, Women's Business Enterprise National Council and Disability:IN. Local partners also help to inform our strategy in the communities where Micron operates.

In 2023, Micron was honored to receive the Top Global Champions for Supplier Diversity & Inclusion Platinum Award from WEConnect International, along with partners Disability:IN and the National LGBT Chamber of Commerce. The award recognizes the top 15 corporations globally for spending with women-owned businesses outside the U.S.

The fourth pillar is industry impact. Micron co-chairs the SEMI Manufacturing Ownership Diversity Working Group, where we work with our peers, customers and suppliers to develop best practices and drive awareness and adoption throughout our global supply chain.

At Micron, we understand the collective impact that our sourcing decisions have on our business and communities. We recognize that it is the company and partners' shared responsibility to make commitments and business decisions that positively enrich life *for all* — because the success and resilience of our business are deeply interconnected with the diversity and inclusivity of our supply chain.

Spend with diverse suppliers in FY23



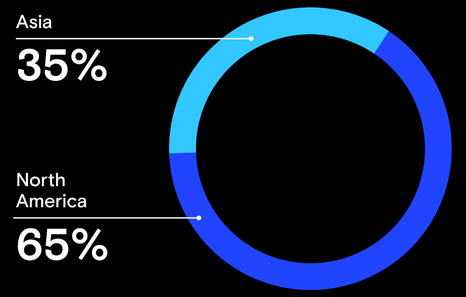
Scope of spend: Tier 1 and tier 2 spend with diverse suppliers

Tier 1: Diverse businesses from which Micron makes purchases directly

Tier 2: Diverse businesses from which Micron's tier 1 suppliers make purchases

Tier 2 actuals: Purchases made by tier 1 suppliers that can be tied to a Micron purchase order or contract

Tier 1 spend by region



Team members

We are proud of our rich culture and powerful people-centered programs

We work hard to retain and inspire our top-notch employees, called team members, to create an environment where our people can thrive. We bolstered existing programs to enhance a company culture that values diversity, drives high performance and pushes the envelope on our innovation and creativity. And while, historically, these activities have led to high talent retention and team member engagement, we know it's essential to prepare for an expected talent shortage in the coming years.

To find that talent, we are building a larger talent pipeline by partnering with governments, institutions, schools and K-12 organizations to foster interest and engagement in the areas of science, technology, engineering and math (STEM); develop talent through nontraditional pathways; and reach out to underrepresented communities providing opportunities *for all*. And internally, we continue to prioritize individual health and wellbeing; diversity, equality and inclusion (DEI); engagement; community and purpose; effective leadership; and career-growth opportunities.



Syracuse, New York

These tools and programs cover every aspect of the team member lifecycle

Diversity, equality and inclusion
Cultivating an inclusive culture and embracing diversity across our global workforce

Engagement
Using surveys and tools to listen to team members' experiences and address their feedback

Career development
Enabling team members to grow their professional careers and build specific skills

Leadership development
Preparing emerging leaders and bolstering existing leaders' capabilities to enhance team member retention and engagement

Safety
Training team members on safety culture protocols to build a workplace where everyone returns home safely each day

Wellbeing
Promoting a culture that prioritizes individual health and wellbeing by taking a holistic approach to team members' lives

Rewards
Recognizing team member performance and learning and rewarding those who exemplify Micron's values

Recruitment and development

Micron is committed to developing team members and leaders at all stages of their careers. This process begins with bringing more candidates from nontraditional pathways, university networks, veterans' groups, apprenticeships, diverse candidates and experienced hires from the broader industry into our talent pool. The process continues with engaging and hiring the best talent based on their valuable skills and experiences. Then we engage with team members to find out what challenges they face and how we can best foster their career growth and general wellbeing. We also have programs and resources for those interested or already serving in leadership roles.

Creating new talent pathways

Micron partners with communities, institutions, governments and associations to expand the pipeline of diverse, highly skilled STEM talent globally and to support the growing needs of the semiconductor industry. Our partnerships within K-12 and postsecondary education are key to training and inspiring the next generation to consider STEM careers in our industry.

We are also increasingly investing in workforce development initiatives. For example, we announced new university semiconductor networks in the northeast and northwest regions of the U.S. — supporting workforce development for our New York and Idaho leading-edge memory manufacturing projects. In Japan, we launched the U.S.-Japan University Partnership for Workforce Advancement and Research & Development in Semiconductors (UPWARDS) for the Future to cultivate a highly skilled semiconductor workforce in both countries. These networks are designed to collectively develop the next-generation semiconductor-ready workforce, drive foundational and emerging research across the semiconductor ecosystem and increase collaboration among education partners.

Working with local institutes of higher learning to strengthen and expand the talent pipelines for the semiconductor industry, Micron is demonstrating our commitment to bridge industry and education. We signed a memorandum of understanding with five local polytechnics in Singapore, one with the New Age Makers Institute of Technology (NAMTECH) and another with the Kaushalya: The Skill University in India. These programs will provide scholarships, internship opportunities, mentoring, a learning journey and corporate volunteering.

Micron is committed to building a scalable and sustainable talent pipeline by investing in skills-based programs and forging new career pathways to good-paying jobs. We recently launched an apprenticeship program in the U.S. and plan to expand to other regions in the near future. The program offers apprentices practical and meaningful work experience, mentorship and on-the-job training, while providing competitive wages and benefits. We work with local academic partners to provide education that aligns to job qualifications.

Micron is also advancing partnerships with community colleges — including with Onondaga Community College (OCC) in Syracuse, New York — to increase recruitment of underrepresented students. In October 2023, the OCC unveiled plans for the Micron Cleanroom Simulation Lab, which will be built on campus and funded with $5 million each from Micron, Onondaga County and New York state. These initiatives offer people a nontraditional route into the semiconductor industry and provide a pathway to jobs for candidates from all backgrounds — whether they are young adults jump-starting their career, women, people from underrepresented or rural communities, veterans or experienced people returning to the workforce.



Singapore

Recruiting from diverse groups

Our talent acquisition team works to build a diverse global workforce, promoting our reputation as a technology leader and a great place to work to attract a large and inclusive pool of candidates.

We developed the Micron Insider program to inform prospective team members about the rewards of semiconductor careers and expectations about the job. In addition, our practices include compiling a diverse slate of qualified candidates, creating interview panels that reflect our diverse team member population, and hiring the best, most qualified candidates. To eliminate bias in our hiring process, we use artificial intelligence (AI) to draft job descriptions, and we remove identifiable information from résumés during the review process to minimize distractions from personal characteristics and focus instead on individual merit.

We collaborate with national veteran organizations such as the Department of Defense's SkillBridge, the Department of Labor's HIRE Vets Medallion Program, and the U.S. Chamber of Commerce Foundation's Hiring Our Heroes to support and hire veterans. We are also expanding our applicant pool by recruiting from historically Black colleges and universities and Hispanic-serving institutions, as well as through organizations such as the Society of Women Engineers, National Society of Black Engineers and Society of Hispanic Professional Engineers. We have signed memorandums of understanding to increase the diverse talent pipeline in Asia with organizations such as Yayasan MENDAKI.

Once at Micron, our employee resource groups (ERGs), mentorships and sponsorship programs provide communities of support to ensure our team members engage, grow and thrive. We offer programs that foster career development, including resources to reskill and upskill these team members. Our 2023 DEI report, What makes us Micron, highlights our progress in diverse recruitment.

Engaging team members

Micron uses a research-based, people-centric approach to understanding and improving team member engagement. Listening to our team members is emphasized by the Micron Voice program. In 2023, we updated our listening strategy — which encompasses engagement, culture, leadership behaviors, wellbeing and inclusion — and implemented a survey to learn more from our team members.

We found that challenging market conditions presented Micron team members with some unique needs. In fact, our October 2023 survey showed the lowest scores, highlighting the opportunities we have to better support the wellbeing of our team members globally. As a result, Micron's wellbeing team has provided additional resources to address these global team member needs. Despite these challenges, Micron leaders are building their teams and leading well, with 86% of responding team members saying they would recommend their managers to others. While we recorded strong performance on indicators of psychological safety, we want to enhance this strength to drive our culture of inclusion and enable further innovation.

Overall, our survey effort revealed progress and organizational resilience, but listening is only one part of the process. We must also act on what we learn. Leaders at Micron are encouraged to hold group discussions to identify shared opportunities to improve. Each team then creates and implements a meaningful action plan. We know that sincere follow-through is an essential part of encouraging, growing and reinforcing healthy team member engagement across Micron, and we continue exploring ways to build our listening culture.

Micron also participates in the Great Place to Work® survey, which allows us to identify strengths and areas of opportunity, as well as to benchmark our performance against other companies.

Great Place to Work® survey results

12

regions certified

(Mainland China, France, Germany, India, Italy, Japan, Malaysia, Singapore, Korea, Taiwan, U.K., U.S.)

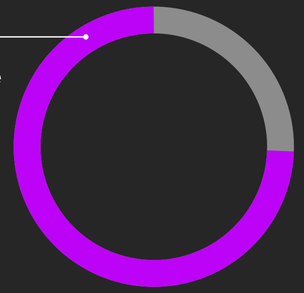
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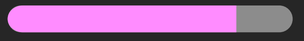
awards on Best Workplace List

(From 7 regions: Germany, India, Italy, Japan, Korea, Singapore, Taiwan)

Team member engagement

75%
Favorability score





82%
Response rate

Corresponds to FY23 data

Navigating the market uncertainty

Despite our emphasis on expanding the talent pipeline and retaining team members, in December 2022, Micron announced our response to the weakened market outlook for calendar year 2023 (CY23):

- Cutting fiscal year (FY) 2023 and 2024 capital expenditures over prior plans
- Significantly reducing expenses through FY23
- Suspending share buybacks
- Shrinking our global headcount through targeted workforce reductions and voluntary attrition

As team members transitioned from the business, we offered assistance programs, including career guidance, résumé writing and access to career opportunities. For those who were indirectly affected, we also provided support, services and additional development opportunities, including preparing our managers to lead through uncertainty.

Promoting professional development

Our people development mission has three parts:

- Build a purposeful learning culture based on industry-leading innovation
- Drive measurable business impact through learning and skilling
- Create leaders for today and tomorrow

Micron University, our global digital learning platform, encompasses curated learning paths, resources, workshops and technical skill development opportunities. Learning journeys start with a robust global onboarding program. From there, team members receive tailored support for their current roles and career aspirations. Our multifaceted educational approach includes guided workshops, on-demand training, mentorships, digital learning accessible from anywhere and a tuition-reimbursement program.

Micron offers team members opportunities to grow and be rewarded through Reach Performance, our performance management program. This pay-for-performance program supports team members with a clear philosophy and process for assessing and managing performance and rewards, identifying potential and encouraging growth. Reach Performance establishes clear individual performance expectations, promotes team member development and guides leaders to be better coaches.

To continue fostering our strong learning culture, in 2023, team members were able to attend local learning festivals — with customized panels, workshops, roadshows and podcasts — and a two-week global conference called “Learnigize.” More than 20,000 team members participated in these opportunities, allowing them to discuss career growth, learn about mentoring options and focus on building their career goals. Our all-inclusive learning experiences covered five topics: skills building, professional development, wellbeing, leadership, and business and innovation. On-site and virtual lessons, with internal and external speakers, were hosted across several sites to encourage team members to explore the vast array of learning resources. All sessions are available virtually to team members through Micron University.

Leadership skills can always be developed and refined. Micron prepares emerging leaders and helps existing leaders succeed through programs designed to build their leadership capabilities during key points in their careers. In 2023, emerging and existing leaders could participate in several leadership programs to hone their skills and to directly address specific feedback from the Micron Voice survey. Development of core skills, coaching, specialized training and succession plans are at the core of our leadership development.

Learning by the numbers

1.7K

mentorship pairs

6.8K

leadership and high-performer trainings

100%

team members engaged in professional development

57.5

average training hours per team member

2.5M

training hours

Corresponds to FY23 data

Wellbeing and rewards

Micron's global wellbeing team supports and promotes a culture of health and wellbeing for team members at the individual, group, organizational and workplace levels. We aim to help team members thrive inside and outside the workplace by embracing all facets of their wellbeing. Our programs address the broad scope of factors — physical, mental, social, career and financial — that affect how people function at and away from work. These have become the five pillars of our wellbeing focus.

We encourage team members to strive for balance between their work and home lives. Micron follows Responsible Business Alliance (RBA) working hour standards, which state that all overtime must be voluntary and that individuals should not work more than 60 hours a week (typical in some international manufacturing environments), except in emergency or unusual situations, with at least one day off every seven days. We also offer flexible work arrangements and compressed workweeks for manufacturing team members so they can manage work and life.

Encouraging wellbeing

At Micron, we have reframed workplace wellbeing through the broader lens of team member health, satisfaction and sense of value in our organizations. Beyond personal health, their experience and wellbeing as team members are influenced by factors such as engagement, resources, inclusion, leadership and equitable opportunities to develop and advance. We foster a culture of wellbeing that serves as a foundation for healthy, safe and smart work practices.

Our wellness program offers resources across our five pillars of wellbeing at every stage of team members' lives and careers. In 2023, we introduced a wellbeing playbook for all team members. This playbook is a hands-on guide to help team members overcome potential work-life barriers and adopt workplace practices to avoid fatigue and support career success.

Because culture stems from the top, in 2023, we launched a series of classes to address how leaders can improve their personal health and enhance team engagement and productivity through foundational health, resilience, stress management, habit mastery and empowerment. Our leaders are key for modeling practices that make their own health and wellbeing a priority but also for providing the support and environment necessary for their teams to flourish.

To encourage beneficial long-term behaviors, we provide Micron team members at any role or location with monthly "bite-sized" health and wellbeing education through our Wellbeing Bytes workshops. These lessons focus on healthy sleep practices, digital hygiene, stress management techniques and workplace wellbeing applications that our team members can turn into daily habits.

Our annual LiveWell event exposes our team members to an array of resources on our five pillars while fostering opportunities for them to build connections in the workplace. This weeklong global initiative, held during Mental Health Awareness Month, features guest speakers, workshops and other activities so team members can nurture their whole selves.

While specific programs and resources vary by region, here are a few of our additional offerings:

- RethinkCare is a leading global behavioral and mental health platform available to Micron team members to support neurodiversity in the workplace and at home.
- Team member advocates are available to speak with colleagues about work, personal and family concerns. Our advocates are trained on topics such as mental health support and Micron's gender transition guidelines.
- Short-term counseling sessions and group listening sessions guide team members in managing their stress.
- Connect groups bring together team members with similar shared experiences and are aligned with the missions of specific ERGs. Micron's Connect peer groups focus on topics including parenting LGBTQ+ children, caring for elderly or disabled family members and dealing with the loss of a spouse.
- Two new world-class childcare centers — one available in Malaysia and a second one opening in Boise in 2024 — plus other locally relevant childcare solutions make life easier for Micron's working parents.
- A guidance resource program provides Micron team members and their family members with confidential support, resources and information for personal and work-life issues, including financial and legal advice and a financial wellbeing tool.
- Money management and other financial education tools, offered in partnership with our benefits team, help team members take advantage of offerings like our employee stock purchase plan.
- The Eat Well program is a meal plan benefit that globally provides consistent and quality food services across the company. Under the Eat Well program, all team members working at Micron sites receive discounted meals.

Wellbeing pillars



Physical

Lifestyle choices and behaviors around preventive health exams, sleep, diet, physical activity, hygiene, safety and relaxation that enhance functioning



Mental

A state in which team members can realize their potential, cope with the normal stresses of life, work productively and fruitfully, and engage



Social

Meaningful relationships with peers, supervisors and the organization that foster a sense of belonging and community



Financial

A state in which team members can fully meet current and ongoing financial obligations, feel secure in their financial future and make choices that allow them to enjoy life



Career

Team members' feelings about their job today, career growth prospects for tomorrow and achievement of life goals

Compensating team members fairly

Our total rewards compensation strategy includes base salary, annual bonuses and equity awards. We also offer a discounted stock purchase program, allowing team members to purchase Micron stock at a 15% discount in all markets in which we operate. Team members can enroll in the program twice a year and contribute up to 15% of their salaries, subject to a maximum contribution cap.

Many offerings are global, while some are region- or country-specific. The highlights included below show how our comprehensive benefits package is designed to support the wellbeing of all our team members:

- Financial assistance to eligible team members pursuing higher academic degrees or professional certifications or qualifications that will enhance their careers at Micron.
- Business discounts to team members for technology or health products and experiences such as theme parks and travel.
- Paid time off and holidays allowing team members to enjoy personal pursuits as well as cultural and regional celebrations.
- Family and bereavement leave allowing team members to care for family members and arrange important family matters.
- Maternity, paternity and childcare leaves.
- Medical insurance, mental health support, adoption benefits and fertility benefits. These offerings may include multiple options as well as coverage for spouses or domestic partners.



Hyderabad, India

Diversity, equality and inclusion

Micron's people are the heart of our innovation, and each of us plays a role in our diversity, equality and inclusion journey. From our front-line team members to our executive staff, our entire team contributes to creating an inclusive culture and increasing diverse representation.

Our 2023 DEI report, What makes us Micron, reflects the commitment and contributions of our team members to building an inclusive culture — one that is prepared to support a global, diverse and complex future workforce.

Since 2020, our diversity, equality and inclusion commitments have been the cornerstone of our work. In FY23, we refined our focus from six to five commitments, making them more concise and impactful.

Hiring

In a challenging year for semiconductor memory and storage markets, hiring was limited, and our representation remained mostly flat. Micron is committed to investing in new talent pipelines, partnering with educational and government institutions and creating a culture that guarantees an inclusive, engaging and innovative experience for all team members. We are creating new talent pathways through our university semiconductor networks and by investing in skills-based programs, apprenticeships and programs that support veterans as they shift to civilian careers. And we are continuing our investment in programs that support people returning to the workforce after taking career breaks. Through the Society of Women Engineers, we are partnering with iRelaunch to support assimilation and upskilling for individuals, including refugees and military spouses, who are ready to return to work.

Equitable pay and inclusive benefits

We analyze our global compensation and benefits to ensure opportunities for all team members because our people value makes it essential that we pay everyone fairly. In FY23, we proudly achieved global pay equity across bonuses and stock awards. With help from a third-party specialist and state-of-the-art technology, we analyze compensation based not only on gender but also on race and ethnicity, veteran status and disabilities. If a statistically significant variance is discovered, we correct it.

We also work to enhance inclusive benefits around the world, in accordance with industry and country standards. For example, in FY23, we published our first U.S. LGBTQ+ inclusive benefits guide to ensure team members and their family members understand what Micron's inclusive benefits are and how to access them. We also offer an employee assistance program to team members and their families in all countries where we operate to ensure they receive the mental wellbeing support they need.

Inclusive culture and advocacy

Our inclusive culture propels our innovation and is at the forefront of how we do business. For example, Micron has 10 actively engaged ERGs with 92 chapters worldwide. Since 2014, our ERGs have represented the full spectrum of our talent, including team members from every level of the organization. In FY23, 47% of our global workforce were members of at least one ERG, exceeding the benchmark of 20% membership. And our ERGs work with the Micron Foundation to direct $500,000 each year to nonprofit organizations that align with communities they care about through the Micron Gives ERG grant program. This year, ERGs were empowered to localize the grants by country or region, giving smaller yet significant amounts locally to increase their global impact.

We also advocate for all students to have access to and opportunities for STEM education. Around the world, we are expanding our Girls Going Tech and Chip Camps, which provide hands-on exposure to STEM activities for people with disabilities, girls, those who identify as nonbinary, and children from rural or Indigenous communities. We also hosted our first Girls Going Tech en Español in partnership with Onondaga Community College and La Liga in Central New York, removing language barriers to STEM education for Spanish-speaking students.

Our DEI commitments[1]

1. Increase hiring from nontraditional pathways and underrepresented groups
2. Drive equitable pay and inclusive benefits
3. Champion advocacy and strengthen our culture of inclusion
4. Engage with diverse financial institutions for cash management
5. Increase diverse supplier representation and spending

[1] These aspirational DEI commitments do not influence or involve employment selection, promotion or other decisions, including decisions regarding suppliers. Micron will never compromise on our goal to hire, promote and retain only the best candidate for a given position.

Diverse financial institutions

In FY23, we achieved our goal to grow fixed-income investments managed by diverse financial institutions to $750 million. We also became a founding member of the White House's Economic Opportunity Coalition, a public-private partnership committed to unlocking the potential of communities of color, low-income communities, rural areas and other historically underserved communities. Micron is the only semiconductor company among the group of 12 founding firms.

Diverse suppliers

Micron is committed to building a diverse supplier ecosystem. Our four-pronged strategy is described in the Supplier diversity and inclusion section of this report.

We believe that, as our industry advances and grows, it is our responsibility to ensure opportunities and access *for all*. While we still have significant work to do, we're making progress, which was recognized with our first top score from Disability:IN on the Disability Equality Index and our perfect score for the third year in a row on the Human Rights Campaign's Corporate Equality Index. In addition, we continue to publicly disclose our U.S. Equal Employment Opportunity Component 1 (EEO-1) diversity data. Further data and details about our global efforts can be found in our 2023 DEI report.

10 global ERGs

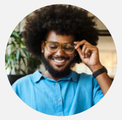
92 chapters in 12 countries



Asian American and Pacific Islander Network (AAPIN)



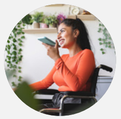
Micron Young Professionals (MYP)



Black Employee Network (BEN)



Mosaic



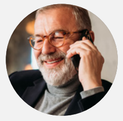
Capable



PRIDE+ Allies



Micron Hispanic Professionals (MHP)



Tenured & Experienced @ Micron (TE@M)



Micron Women's Leadership Network (MWLN)



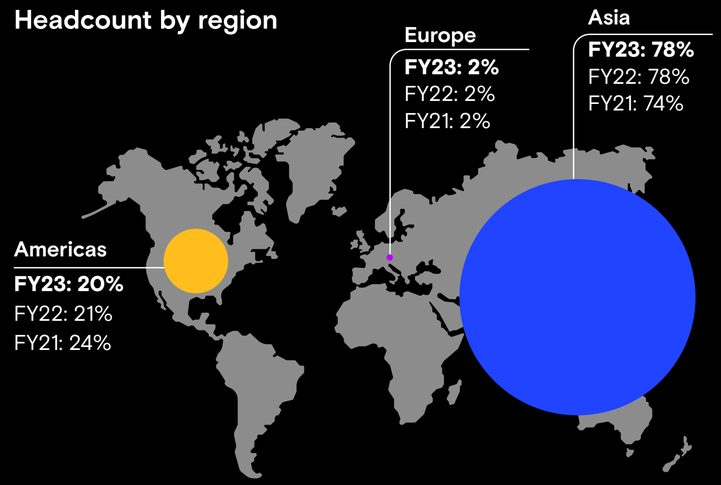
Veterans Employee Resource Group (VERG)

Global headcount

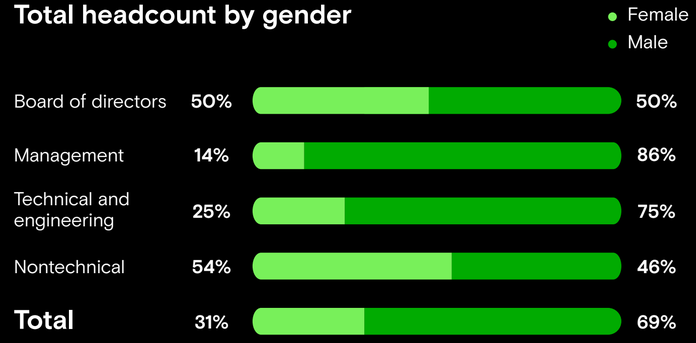
43,000

team members

Headcount by region



Total headcount by gender



Corresponds to FY23 data

Safety

Safety is a top priority at Micron. Now, we are working toward making it a value so integral to our culture that it becomes second nature, not only among our team members but also for anyone who works at a Micron site.

To measure our success, we have identified five levels of safety engagement — comprehensive assessment of safety considerations across contractor management, communications and training, goal-setting, employee buy-in and management engagement. We track progress across these levels through our annual safety perception survey. Our goal is to make safety instinctual, and our survey assesses how ingrained safety protocols are at each of our manufacturing locations.

In 2023, our organization made significant progress in our journey and came very close to achieving the fourth level on the maturity scale of our five-point safety program. To achieve our goal, Micron launched a Live Safe Reignite workshop targeted to all manufacturing locations that scored below 91% on our survey.

Our safety culture begins with leaders who set expectations of safe behavior with their teams. All leaders in manufacturing conduct regular area safety assessments where they walk through their work environments looking for potentially unsafe conditions and behaviors. They begin meetings with safety messages and participate in behavioral safety assessments during which they observe their teams at work and share constructive feedback, including correcting unsafe behaviors. We dive into identified unsafe behaviors to determine the training, programs, systems and cultural elements within Micron that may prevent the unsafe behaviors, and then we work to make improvements. These practices drive leaders to own their team members' behaviors regarding safety. When issues are identified through area safety walks or behavioral assessments, we track corrections and timely closeouts. We also track team members' and leaders' completion of all required safety training.

Micron's cultural emphasis on safety is coupled with strong management and technical programs, processes and procedures. Micron's manufacturing locations are certified according to the International Organization for Standardization (ISO) 45001:2018 occupational health and safety management systems, setting the foundation for an effective and auditable safety program. The following safety responsibilities are multilayered and involve all team members:

Health and safety committees

- Function at every manufacturing site and comprise both management and nonmanagement team members
- Promote overall operations and communications regarding safety
- Implement messaging to reinforce safety programs, recognize safe behaviors and highlight engagement activities
- Align our environmental, health and safety (EHS) management system and associated guidance with the latest ISO 45001:2018 certifications
- Participate in third-party audits through the RBA's validated assessment program

Managers and supervisors

- Lead, implement and maintain safe, secure and compliant work areas

All team members and contractors

- Help identify, eliminate and control EHS hazards and risks
- Follow all EHS policies, procedures and applicable legal requirements, including those contained in Micron's EHS policy and the Micron code of conduct

Keeping people safe at work

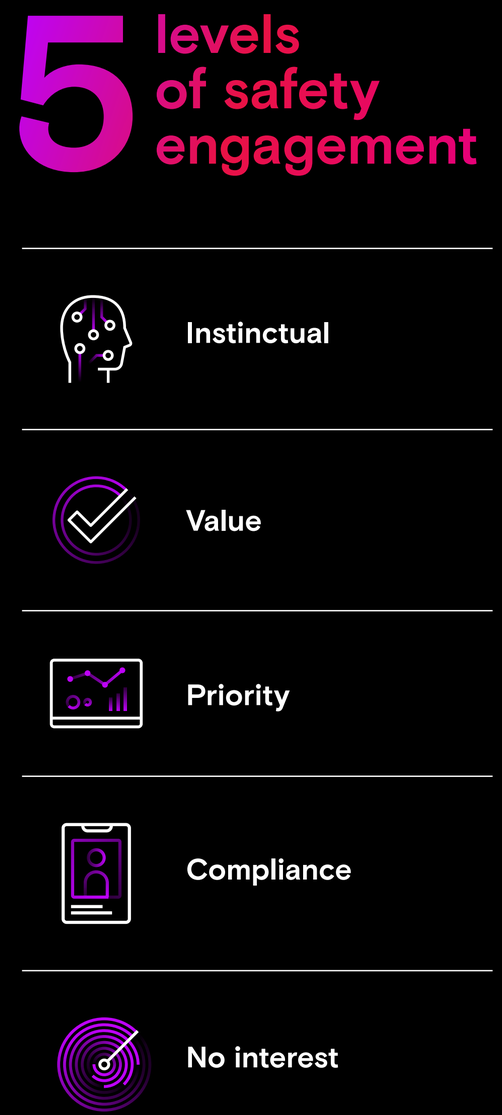
Micron's comprehensive safety program, Live Safe, builds a common understanding of safety culture and risk through structured training for team members, managers and leaders. These trainings focus on building awareness and capacities that eliminate risk and create confidence. Our safety culture has two components that are critical to preventing harm:

- Actively caring for one another
- Showing a willingness to coach and be coached

We expect team members at all levels of the organization to engage with safety-related topics by participating in safety training and campaigns and by considering safety throughout each day. These practices make safety and health actionable for everyone. Our Live Safe handbook details relevant topics and guidelines that we expect team members to consider in their work.

We conduct an annual survey to measure team members' perceptions of Live Safe. In 2023, over 90% participated in the survey. We use the results to improve communications about our safety culture, particularly as more people return to Micron sites after the COVID-19 epidemic and become reacquainted with the principles of the Live Safe program.

As Live Safe evolves, we are making sure it encompasses our entire workforce, including vendors who work alongside our team members at Micron sites. Over the past year, we've held individual meetings with strategic suppliers to raise awareness of the Live Safe program, conducted supplier training and a survey, and organized an inaugural supplier safety day. We're hopeful that, as suppliers internalize Micron's safety practices, they take this mindset back to their own organizations, spreading a culture of safety even further.



Focusing on root causes of injuries

Creating a culture of safety is not enough. Micron is working toward a goal of zero repeat injuries. This goal means that, if an incident occurs on a Micron site, leaders take action to prevent a similar incident from occurring in the Micron network. We use continuous improvement tracking to monitor incidents and corrective actions and conduct in-depth root cause analysis to prevent potential reoccurrence. Our 2023 advances in this work included additional steps to codify corrective actions into our global EHS standards and into communications and awareness activities focused on lessons learned.

We are expanding our emphasis from zero repeat to zero harm, a goal that will depend on emerging technologies to further reduce risk. Our zero-harm program includes checklists for contractor evaluation, technology tools to identify hazards, video tools to identify ergonomic risks, and electronic permit-to-work and access controls for high-risk areas. On construction projects, access control systems use biometrics and geofencing to prevent workers from entering unauthorized areas or coming too close to obstructions such as overhead power lines or hazardous substance storage locations.

Other emerging technologies we use include virtual reality (VR), which can help bring training content for high-hazard activities to life in a way that written content often cannot. For example, we have introduced VR training for doing energized electrical tasks and working at heights to our facilities in Malaysia, Taiwan and Singapore. We expect to expand this training to other locations in the coming year.

Promoting safe use of chemicals in manufacturing

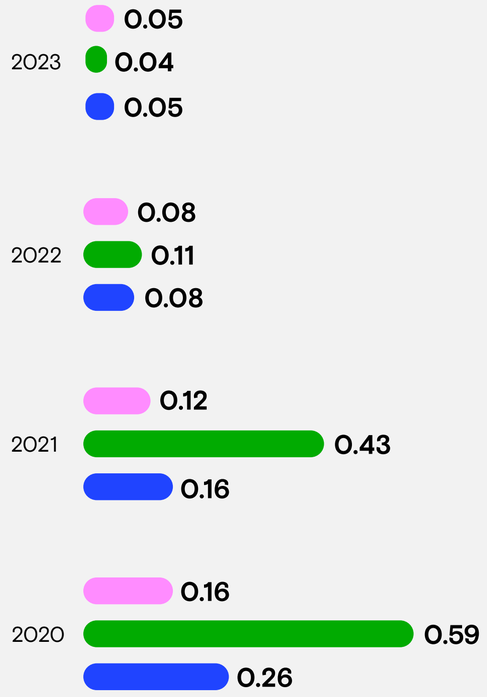
Micron is an industry leader in processes that promote the responsible use of chemicals, gases and byproducts that are part of manufacturing. We focus on protecting our team members by identifying chemical hazards through a rigorous approval process, potentially eliminating or substituting these substances with materials of lower risk, implementing engineering controls, and providing information about hazards to team members through training.

Micron has an industrial hygiene/occupational health program that monitors potential exposures to workplace hazards, including chemicals. As part of this program, we regularly sample the air to monitor compliance with exposure levels. We conduct regular medical evaluations to assess where potential exposures exist and update safety programs. As a last line of defense, we have personal protective equipment available for our team members.

A global team — coordinating with leadership, equipment engineering and facilities at each manufacturing and technology development site — provides training, assesses risk, mitigates hazards and responds to incidents related to hazardous chemicals and gases. Members of this team focus their efforts on phases in the process, from our complex semiconductor manufacturing process through to our system redesign and validation work. We also collaborate with teams on software interlocks to prevent unintentional or accidental changes to recipes, thereby preventing or averting potential hazards before they arise. In addition, throughout our manufacturing network, we share information and lessons learned regarding the comprehensive identification and sampling of high-risk processes and their byproducts.

Beyond protecting the people who make our products, Micron works to mitigate harm to the environment and comply with regulations everywhere we operate. We take a long-term approach to eliminating the use of high-hazard materials, working across our industry to develop alternatives with lower risk. Although these are not regulatory requirements for Micron in some countries, we view our efforts as a best practice that positions Micron as an industry leader in ensuring the safety of our team members and their communities.

Recordable injury rate



Rates are based on 200,000 hours worked.
Data is calendar year.

Communities

Since 1999, the Micron Foundation has supported the communities where we live, learn, work and play

Our philanthropic efforts, both those of the Micron Foundation and those of Micron Technology, come together under Micron Gives.

The Micron Foundation is on a mission to invest in our communities and foster a culture of giving that helps our team members make a difference. Around the globe, we target our philanthropic endeavors to the local level.

In 2023, our mission grew even stronger as we refined our focus on three primary areas — increasing access to STEM education and careers of the future, enriching our communities and creating a culture of giving for Micron team members.

Increasing access to STEM education and careers of the future

From kindergarten to doctorate programs, access to quality education should not depend on a person's neighborhood, hometown, race, religion, gender or socioeconomic status. We firmly believe that education should be *for all*. Our programs and grants are designed to increase access to science, technology, engineering and math (STEM) education beginning in primary school when children are just starting to explore their interests. The earlier students get their hands on STEM activities, the more likely they are to explore STEM education and careers in the future.

2023 marked the first year of Micron Chip Camps held in Asia — specifically at our sites in mainland China, Japan, Singapore and Taiwan. We also held our first Chip Camp at a rural Title I (serving low-income students) school in the U.S.

In the postsecondary space, we want to help students explore pathways in which "going on" from secondary school doesn't always lead to pursuing a four-year degree at a college or university. Students have many options for continuing their education, like skilling programs, community colleges and specialty training courses. Our investments show students how they can pursue an education that they may have only dreamed about, providing them opportunities to learn from top-notch faculty in facilities with tremendous research capabilities.



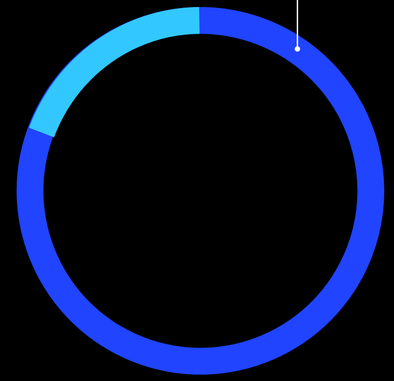
Chip Camp, Atlanta, Georgia

Micron Foundation giving by the numbers

2.3M
people reached via grants

202K
volunteer hours

81.5%
employee participation



Corresponds to CY23 data

Enriching our communities

We know success also starts at home and in our communities. We can't expect children to thrive in school if they don't have a supportive environment outside school. We work with many partners to establish programs that remove economic barriers and build the resilience of vulnerable populations and underserved communities to create economic stability. We focus on programs that provide access to food, affordable and safe housing, and childcare. When the need arises in and around Micron communities, we also support aid and relief efforts in response to natural disasters and humanitarian crises.

For example, the foundation provided a grant to the Resilient Cities Network in Penang, Malaysia, to help the state protect its vulnerable communities through resilience planning and climate adaptation. In Boise, the foundation supported the Campaign to End Family Homelessness, an initiative that helped reduce the number of families on waitlists for housing by nearly 55%. We are also preparing India's youth to gain economic stability and become leaders through our partnership with UNICEF for its Passport to Earning (P2E) electronic learning platform. This program connects young people with employment opportunities to help them become financially independent and able to prosper.

Fostering a culture of giving

We are proud to inspire and enable our team members to give back to their communities. Through our giving programs, we offer paid time off for volunteering and dollar-for-dollar matching of donations.

In 2023, nearly 82% of Micron team members gave their time and/or money to causes that matter to them. At 34 locations around the world, they volunteered more than 202,000 hours and made contributions totaling $5.3 million, including the company-matched donations. Micron's employee resource groups (ERGs) help drive our volunteering, and in 2023, the Micron Foundation invested $500,000 in grants to local causes selected by our 10 ERGs around the world.

Read more about our work in the 2023 Micron Gives year-end summary, On a mission to make a difference.

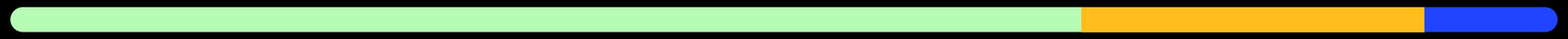
Investing beyond philanthropy

In addition to the foundation's philanthropy, Micron demonstrates our commitment to communities through the investments we make that enable growth, expansion and opportunities. In Idaho, we plan to invest $75 million over the next 10 years toward the Idaho Community Investment Framework. Through the New York Community Investment Framework, which encompasses the $500 million Green CHIPS Community Investment Fund, Micron plans to invest $250 million over the next 20-plus years in addition to $100 million from New York and $150 million from local, state and national partners. These commitments will help develop the infrastructure, training and resources to support the workforce, education and ecosystems necessary for our investment in leading-edge U.S. memory manufacturing to succeed.

Micron Foundation giving total

$11.2M

Giving by type



$7.76M
Grants

$2.48M
Matching gifts

$0.97M
Program-related investments

Corresponds to CY23 data

Appendix

GRI index

Statement of use Micron Technology, Inc., has reported the information cited in this GRI content index for the period of Sept. 2, 2022, through Aug. 31, 2023, with reference to the GRI Universal Standards.

GRI 1 used GRI 1: Foundation 2021

GRI	Disclosure	Location/Response
Disclosures		
GRI 2: General Disclosures 2021		
The organization and its reporting		
2-1	Organizational details	Micron Technology, Inc., Boise, Idaho, USA
2-2	Entities included in the organization's sustainability reporting	2023 10-K, Basis of presentation, p. 62
2-3	Reporting period, frequency and contact point	Annually This report covers Micron's performance in fiscal year 2023 (Sept. 2, 2022, to Aug. 31, 2023) unless otherwise stated. sustainability@micron.com
2-4	Restatements of information	Any restatements are footnoted, where applicable.
2-5	External assurance	Independent limited level assurance statement is available at micron.com/esg.
Activities and workers		
2-6	Activities, value chain and other business relationships	2023 10-K, Micron corporate profile, pp. 2-3 | Item 1. Business, pp. 7-17
2-7	Employees	Performance at a glance | Diversity, equality and inclusion 2023 10-K, Human capital, pp. 14-16
Governance		
2-9	Governance structure and composition	2023 proxy statement, Board diversity matrix, p. 12 | Board structure, pp. 20-23 | Director biographies, pp. 6-10 | Summary of skills and experience of director nominees, p. 5
2-10	Nomination and selection of the highest governance body	2023 proxy statement, Director nominations and board refreshment and diversity, pp. 11-12
2-11	Chair of the highest governance body	2023 proxy statement, Board leadership structure, pp. 20-21

GRI	Disclosure	Location/Response
2-12	Role of the highest governance body in overseeing the management of impacts	2023 proxy statement, Sustainability, pp. 16-17
2-13	Delegation of responsibility for managing impacts	2023 proxy statement, Sustainability, pp. 16-17
2-14	Role of the highest governance body in sustainability reporting	2023 proxy statement, Sustainability, pp. 16-17
2-15	Conflicts of interest	2023 proxy statement, Board processes and policies, pp. 19-20 | Certain relationships and related transactions, p. 23 Micron code of conduct, pp. 18-21
2-16	Communication of critical concerns	2023 proxy statement, Shareholder outreach, pp. 13-15 | Board meetings and committees, p. 21
2-17	Collective knowledge of the highest governance body	2023 proxy statement, Sustainability, pp. 16-17 About company leadership
2-18	Evaluation of the performance of the highest governance body	2023 proxy statement, Board processes and policies, pp. 19-20
2-19	Remuneration policies	2023 proxy statement, Executive compensation and related information, pp. 27-55
2-20	Process to determine remuneration	2023 proxy statement, Compensation-setting process and the determination of compensation levels, pp. 51-55
2-21	Annual total compensation ratio	2023 proxy statement, Chief executive officer pay ratio, p. 68
Strategy, policies and practices		
2-22	Statement on sustainable development strategy	A message from our CEO
2-23	Policy commitments	Micron code of conduct Global environmental, health and safety policy Supplier responsibility RBA code of conduct Human rights policy Micron supplier requirements standard Responsible minerals policy Modern slavery and human trafficking statement Privacy notice Micron privacy & data security principles

GRI	Disclosure	Location/Response
2-24	Embedding policy commitments	Micron code of conduct · Sustainability strategy | Ethics and integrity | Human rights | Stakeholder engagement · Responsible sourcing | Supply chain risk assessment | Human rights in our supply chain Global environmental, health and safety policy · Sustainability strategy | Human rights · Operations and environment · Team members | Safety · Responsible sourcing | Supply chain risk assessment | Human rights in our supply chain | Supplier environmental engagement RBA code of conduct · Sustainability strategy | Ethics and integrity | Human rights | Stakeholder engagement · Responsible sourcing | Supply chain risk assessment | Human rights in our supply chain Human rights policy · Sustainability strategy | Ethics and integrity | Human rights | Global trade compliance · Responsible sourcing | Human rights in our supply chain | Supply chain risk assessment | Responsible minerals · Team members | Recruitment and development | Wellbeing and rewards | Diversity, equality and inclusion | Safety Supplier responsibility, Micron supplier requirements standard, Modern slavery and human trafficking statement · Responsible sourcing Responsible minerals policy • Responsible sourcing | Responsible minerals Micron privacy & data security principles, Privacy notice · Sustainability strategy | Cybersecurity · Products and innovation | Safeguarding customer data
2-25	Processes to remediate negative impacts	When potential issues implicating violations of our code of conduct are shared via our helpline or other channels, such as reporting directly to a supervisor, our compliance and ethics and employee relations teams follow a documented investigation process and, when possible and appropriate, remediate negative impacts. When issues are reported involving our suppliers, our compliance and ethics team works with our global supply chain team to investigate and complete corrective actions to address identified issues. The investigation and remediation of other negative impacts beyond these two scenarios are considered by our cross-functional investigations team made up of members of our compliance and ethics, employee relations, cybersecurity and litigation teams. Sustainability strategy | Ethics and integrity Micron code of conduct Supplier responsibility Micron supplier requirements standard

GRI	Disclosure	Location/Response
2-26	Mechanisms for seeking advice and raising concerns	Compliance helpline Email: compliance_ethics@micron.com Sustainability strategy | Ethics and integrity
2-27	Compliance with laws and regulations	In CY23 Micron received no significant health or safety fines (greater than $25,000) and one notice of violation, as well as no significant environmental fines (greater than $25,000) and three notices of violation. GRI 206-1 2023 10-K, Contingencies, pp. 74-76
2-28	Membership associations	Specific charters and principles are covered in the relevant section of the sustainability report by topic.
2-29	Approach to stakeholder engagement	Sustainability strategy | Stakeholder engagement
2-30	Collective bargaining agreements	In FY23, 7% of Micron's team members were covered by collective bargaining agreements.
GRI 3: Material Topics 2021		
3-1	Process to determine material topics	Sustainability strategy | Topic prioritization
3-2	List of material topics	Sustainability strategy | Topic prioritization
GRI 205: Anti-Corruption 2016		
3-3	Management of material topic	Sustainability strategy | Ethics and integrity Micron code of conduct, pp. 31-32 Supplier responsibility Micron supplier requirements standard, pp. 2-3
205-1	Operations assessed for risks related to corruption	A critical component of Micron's compliance program is appropriate identification and assessment of corruption risk. Micron's processes for assessing risks of corruption are privileged and confidential. But the compliance and ethics team, in the ordinary course of business, regularly assesses the following operations for corruption risk and works with these functions to identify and remediate gaps: · Sales · Marketing · Procurement · Financial control

GRI	Disclosure	Location/Response
205-2	Communication and training about anti-corruption policies and procedures	Communication and trainings are delivered via: · Training modules covering global anti-corruption · Emails called Integrity Alerts covering key corruption risk topics · Compliance month activities delivering in-person “tone at the top” trainings to managers and senior executives Sustainability strategy | Ethics and integrity Micron code of conduct, pp. 31-32 Supplier responsibility Micron supplier requirements standard, pp. 2-3
205-3	Confirmed incidents of corruption and actions taken	Micron treats the requested information as privileged and confidential. However, Micron has processes in place to investigate allegations and concerns of corruption and, if substantiated, issue corrective actions.
GRI 206: Anti-Competitive Behavior 2016		
3-3	Management of material topic	Sustainability strategy | Ethics and integrity Micron code of conduct, pp. 24-27
206-1	Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	In FY23, Micron incurred no monetary losses as a result of legal proceedings associated with anti-competitive behavior regulations. 2023 10-K, Contingencies, pp. 74-76
GRI 207: Tax 2019		
3-3	Management of material topic	Sustainability strategy | Tax policy 2023 10-K, Government regulations, pp. 16-17 | Risks related to laws and regulations, pp. 35-37 | Consolidated results, pp. 46, 49 | Critical accounting estimates, pp. 52-54 | Income taxes, pp. 83-86
207-1	Approach to tax	Sustainability strategy | Tax policy
207-2	Tax governance, control, and risk management	Sustainability strategy | Tax policy
207-3	Stakeholder engagement and management of concerns related to tax	Sustainability strategy | Tax policy

GRI	Disclosure	Location/Response
GRI 302: Energy 2016		
3-3	Management of material topic	Products and innovation | Increasing energy efficiency Operations and environment | Goals and aspirations | Greenhouse gas emissions and energy ISO 14001:2015 environmental management system ISO 50001:2018 energy management system 2023 CDP climate change disclosure
302-1	Energy consumption within the organization	Operations and environment | Greenhouse gas emissions and energy Performance at a glance | Energy 2023 CDP climate change disclosure, section C8.2
302-2	Energy consumption outside of the organization	2023 CDP climate change disclosure, section C8.2
302-4	Reduction of energy consumption	Operations and environment | Greenhouse gas emissions and energy Performance at a glance | Energy
302-5	Reductions in energy requirements of products and services	Products and innovation | Increasing energy efficiency
GRI 303: Water and Effluents 2018		
3-3	Management of material topic	Operations and environment | Goals and aspirations | Water ISO 14001:2015 environmental management system 2023 CDP water security disclosure
303-1	Interactions with water as a shared resource	Operations and environment | Water 2023 CDP water security disclosure
303-2	Management of water discharge-related impacts	Operations and environment | Water 2023 CDP water security disclosure
303-3	Water withdrawal	Performance at a glance | Water management 2023 CDP water security disclosure, section W1.2
303-4	Water discharge	Performance at a glance | Water management 2023 CDP water security disclosure, section W1.2
303-5	Water consumption	Performance at a glance | Water management 2023 CDP water security disclosure, section W1.2

GRI	Disclosure	Location/Response
GRI 305: Emissions 2016		
3-3	Management of material topic	Operations and environment | Goals and aspirations | Greenhouse gas emissions and energy ISO 14001:2015 environmental management system 2023 CDP climate change disclosure
305-1	Direct (scope 1) GHG emissions	Performance at a glance | Greenhouse gas emissions 2023 CDP climate change disclosure, section C6.1
305-2	Energy indirect (scope 2) GHG emissions	Performance at a glance | Greenhouse gas emissions 2023 CDP climate change disclosure, section C6.3
305-3	Other indirect (scope 3) GHG emissions	2023 CDP climate change disclosure, section C6.5
305-4	GHG emissions intensity	2023 CDP climate change disclosure, section C4.1b
305-5	Reduction of GHG emissions	Operations and environment | Greenhouse gas emissions and energy Performance at a glance | Greenhouse gas emissions 2023 CDP climate change disclosure, section C4
GRI 306: Waste 2020		
3-3	Management of material topic	Operations and environment | Goals and aspirations | Hazardous and restricted substances | Waste management ISO 14001:2015 environmental management system
306-1	Waste generation and significant waste-related impacts	Operations and environment | Hazardous and restricted substances | Waste management
306-2	Management of significant waste-related impacts	Operations and environment | Hazardous and restricted substances | Waste management
306-3	Waste generated	Performance at a glance | Waste management
306-4	Waste diverted from disposal	Performance at a glance | Waste management
306-5	Waste directed to disposal	Performance at a glance | Waste management

GRI	Disclosure	Location/Response
GRI 308: Supplier Environmental Assessment 2016		
3-3	Management of material topic	Responsible sourcing | Supplier environmental engagement Micron code of conduct Global environmental, health and safety policy Supplier responsibility Micron supplier requirements standard RBA code of conduct
308-1	New suppliers that were screened using environmental criteria	In FY23, 100% of all 819 new suppliers were screened for environmental criteria during our onboarding process.
308-2	Negative environmental impacts in the supply chain and actions taken	Of the suppliers assessed in FY23, none were identified as having environmental-related findings that required improvement plans. No suppliers were found to meet criteria for termination as a result of noncompliance with environmental issues.
GRI 401: Employment 2016		
3-3	Management of material topic	Team members Micron code of conduct, pp. 5-8 Equal employment opportunity RBA code of conduct Human rights policy
401-1	New employee hires and employee turnover	Team members | Recruitment and development | Creating new talent pathways | Navigating the market uncertainty Performance at a glance | Turnover 2023 DEI report, p. 51
401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	Team members | Wellbeing and rewards Benefits handbook U.S. compensation and benefits Micron's candidate webpage
401-3	Parental leave	Team members | Wellbeing and rewards
GRI 402: Labor/Management Relations 2016		
3-3	Management of material topic	Team members
402-1	Minimum notice periods regarding operational changes	Micron recognizes the benefits of providing adequate notice to team members affected by operational change. We comply with applicable laws and regulations regarding adequate notice of significant operational changes.

GRI	Disclosure	Location/Response
GRI 403: Occupational Health and Safety 2018		
3-3	Management of material topic	Team members | Safety Global environmental, health and safety policy ISO 45001:2018 occupational health and safety management system CNS 45001:2018 Taiwan occupational health and safety management system
403-1	Occupational health and safety management system	Team members | Safety
403-2	Hazard identification, risk assessment, and incident investigation	Team members | Safety
403-3	Occupational health services	Team members | Safety
403-4	Worker participation, consultation, and communication on occupational health and safety	Team members | Safety
403-5	Worker training on occupational health and safety	As of September 2023, 99.9% of team members had completed at least one form of occupational health and safety training. Over 398,000 health and safety training hours were logged in FY23. Team members | Safety
403-6	Promotion of worker health	Team members | Safety
403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	Team members | Safety
403-8	Workers covered by an occupational health and safety management system	Management systems at all Micron manufacturing sites cover 100% of employees and nonemployee workers. Approximately 84% of Micron team members were assigned to manufacturing locations in FY23.
403-9	Work-related injuries	Performance at a glance | Health and safety
403-10	Work-related ill health	Performance at a glance | Health and safety
GRI 404: Training and Education 2016		
3-3	Management of material topic	Team members | Recruitment and development
404-1	Average hours of training per year per employee	Performance at a glance | Professional development
404-2	Programs for upgrading employee skills and transition assistance programs	Micron provides global transitional assistance programs for team members affected by a reduction in workforce. Transitional assistance includes career guidance, résumé writing and access to career opportunities, both regionally and globally.
404-3	Percentage of employees receiving regular performance and career development reviews	In FY23, 100% of eligible employees received a performance review. Eligible employees were those with at least three months of performance in the fiscal year, not including contractors, union workers or fixed-term employees. Team members | Recruitment and development

GRI	Disclosure	Location/Response
GRI 405: Diversity and Equal Opportunity 2016		
3-3	Management of material topic	Team members | Diversity, equality and inclusion 2023 DEI report Equal employment opportunity 2023 10-K, Human capital, pp. 14-16 2023 proxy statement, Human capital and culture, pp. 15-16
405-1	Diversity of governance bodies and employees	Performance at a glance | Diversity, equality and inclusion 2023 DEI report 2023 10-K, Diversity, equity and inclusion, p. 15 2023 proxy statement, Board refreshment and diversity, p. 12
405-2	Ratio of basic salary and remuneration of women to men	We regularly review pay globally, including base pay and stock awards, to drive equitable compensation. In 2023, due to challenging industry conditions, base pay increases were suspended; however, we achieved global pay equity in compensation across bonuses and stock rewards for all underrepresented employees. A pay equity analysis will be conducted in 2024 with our base pay merit review. Team members | Diversity, equality and inclusion 2023 10-K, Diversity, equality and inclusion, p. 15
GRI 406: Non-Discrimination 2016		
3-3	Management of material topic	Team members | Diversity, equality and inclusion Micron code of conduct, pp. 5-6
406-1	Incidents of discrimination and corrective actions taken	Micron reports internally on allegations, including discrimination. We provide this report to the chief people officer and general counsel monthly and to the CEO and the board of directors' audit committee quarterly. All allegations of discrimination reported through the people organization, compliance or other channels are fully investigated and documented, and appropriate actions are taken.
GRI 407: Freedom of Association and Collective Bargaining 2016		
3-3	Management of material topic	Responsible sourcing | Human rights in our supply chain Micron code of conduct, p. 8 Human rights policy
407-1	Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk	Micron monitors human rights concerns in our supply chain, including freedom of association. Responsible sourcing | Human rights in our supply chain Micron code of conduct, p. 8 Human rights policy Micron supplier requirements standard, p. 3

GRI	Disclosure	Location/Response
GRI 408: Child Labor 2016		
3-3	Management of material topic	Sustainability strategy | Ethics and integrity Responsible sourcing | Human rights in our supply chain Micron code of conduct, p. 8 Human rights policy RBA code of conduct Supplier responsibility Micron supplier requirements standard Modern slavery and human trafficking statement
408-1	Operations and suppliers at significant risk for incidents of child labor	The Micron code of conduct and Human rights policy explicitly prohibit child labor or the exploitation of children, and our Modern slavery and human trafficking statement notes locations assessed to have higher risk of such human rights concerns. In addition, our suppliers must follow RBA standards on labor, health, safety, the environment, ethics and management systems, regardless of local law or custom. Responsible sourcing | Human rights in our supply chain
GRI 409: Forced or Compulsory Labor		
3-3	Management of material topic	Sustainability strategy | Ethics and integrity Responsible sourcing | Human rights in our supply chain Micron code of conduct, p. 8 Human rights policy RBA code of conduct Supplier responsibility Micron supplier requirements standard Modern slavery and human trafficking statement
409-1	Operations and suppliers at significant risk for incidents of forced or compulsory labor	As stated in the Micron code of conduct and Human rights policy, Micron forbids the use of forced labor, bonded (including debt bondage) labor, indentured labor, involuntary or exploitative prison labor, slavery or trafficking in our own operations or in those of our supply chain. Our commitment to these concerns is made public through our Modern slavery and human trafficking statement, which notes locations assessed to have higher risk of such concerns. In addition, our suppliers are expected to follow RBA standards on labor, health, safety, the environment, ethics and management systems, regardless of local law or custom. Responsible sourcing | Human rights in our supply chain

GRI	Disclosure	Location/Response
GRI 413: Local Communities 2016		
3-3	Management of material topic	Sustainability strategy | Stakeholder engagement Communities
413-1	Operations with local community engagement, impact assessments, and development programs	Sustainability strategy | Stakeholder engagement Communities
GRI 414: Supplier Social Assessment 2016		
3-3	Management of material topic	Responsible sourcing Micron code of conduct, pp. 8, 23-24 Human rights policy
414-1	New suppliers that were screened using social criteria	In FY23, 100% of all 819 new suppliers were screened for safety and labor management criteria during our onboarding process.
414-2	Negative social impacts in the supply chain and actions taken	Of the suppliers assessed in FY23, 2% were identified to have labor-related findings, and of these, the majority have committed to action plans. Four suppliers were rejected during the onboarding process because of noncompliance with our social policies.
GRI 416: Customer Health and Safety 2016		
3-3	Management of material topic	Operations and environment | Hazardous and restricted substances
416-1	Assessment of the health and safety impacts of product and service categories	Micron assesses the health and safety impacts and potential for improvement of all product categories. Operations and environment | Hazardous and restricted substances
416-2	Incidents of non-compliance concerning the health and safety impacts of products and services	2023 10-K, Contingencies, pp. 74-76

GRI	Disclosure	Location/Response
GRI 417: Marketing and Labeling 2016		
3-3	Management of material topic	Sustainability strategy | Ethics and integrity Micron code of conduct, p. 27 2023 10-K, Marketing and customers, pp. 10-11
417-1	Requirements for product and service information and labeling	Ethics and integrity guide Micron to embed environmental and regulatory compliance into the product design process, aligning our products to requirements in several different jurisdictions. Suppliers are required to comply with Micron's environmental product compliance specifications, which contain a list of banned and restricted substances. Solid-state drive products bear multiple safety/emissions/substance marks, such as CE-EU EMI/RoHS, FCC — US EMI, VCCI — Japan EMI, BSMI — Taiwan EMI/RoHS, ICES — Canada EMI, RCM — AUS/NZ EMI, KC — Korea EMI, Morocco — EMI, UKCA — UK EMI/RoHS, Ukraine — EMI/RoHS/Safety, UL — US/Canada Safety, TUV — Germany Safety, India — Safety (portable SSDs), China RoHS. Halogen-free text may be included where applicable. Where the WEEE symbol is displayed, WEEE obligations apply to the company placing the product on the EU market. Module product labels bear the UKCA — UK EMI RoHS and CE-EU EMI/RoHS mark. RoHS and low-halogen compliance are documented within the part number.
417-2	Incidents of non-compliance concerning product and service information and labeling	2023 10-K, Contingencies, pp. 74-76
417-3	Incidents of non-compliance concerning marketing communications	2023 10-K, Contingencies, pp. 74-76
GRI 418: Customer Privacy 2016		
3-3	Management of material topic	Products and innovation | Safeguarding customer data Privacy notice Micron privacy & data security principles
418-1	Substantiated complaints concerning breaches of customer privacy and losses of customer data	In FY23, Micron had no breaches of customer personal data and received no substantiated complaints from customers, outside data processors or regulatory bodies concerning breaches of customer personal data. 2023 10-K, Contingencies, pp. 74-76

SASB index

The Sustainability Accounting Standards Board (SASB) Standards guide the disclosure of sustainability information by companies to their investors. The SASB Standards were consolidated into and are under the oversight of the International Sustainability Standards Board, established by the IFRS Foundation in 2022. The table below references where relevant disclosures can be found that align with the most up-to-date SASB Semiconductors Standard Version 2023-12.

Topic	Accounting metric	Code	Disclosure	Location of disclosure and related context
Greenhouse gas emissions	1. Gross global scope 1 emissions 2. Amount of total emissions from perfluorinated compounds	TC-SC-110a.1	1. CY23 gross global scope 1 emissions: 2,698,572 metric tons CO_2-e 2. CY23 emissions from perfluorinated compounds: 1,719,874 metric tons CO_2-e	Operations and environment | Greenhouse gas emissions and energy Performance at a glance | Greenhouse gas emissions 2023 CDP climate change disclosure, sections C6.1, C7.1a
	Discussion of long-term and short-term strategy or plan to manage scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets	TC-SC-110a.2	We discuss our goals, aspirations, tactics and challenges in our Operations and environment section and throughout the CDP climate change disclosure. We set a 42% absolute reduction in scope 1 emissions by CY30 from a CY20 baseline. In CY23, we saw an 11% decrease in absolute scope 1 emissions compared to CY20.	Operations and environment | Goals and aspirations | Greenhouse gas emissions and energy 2023 CDP climate change disclosure
Energy management in manufacturing	1. Total energy consumed 2. Percentage grid electricity 3. Percentage renewable	TC-SC-130a.1	1. CY23 total energy consumed: 11,388,860 MWh 2. CY23 percentage grid electricity: 77% 3. CY23 percentage renewable: 3%	Operations and environment | Greenhouse gas emissions and energy Performance at a glance | Energy 2023 CDP climate change disclosure, section C8
Water management	1. Total water withdrawn 2. Total water consumed, percentage of each in regions with high or extremely high baseline water stress	TC-SC-140a.1	1. CY23 total water withdrawn: 56,138 thousand cubic meters 2. CY23 total water consumed: 14,319 thousand cubic meters Our water risk assessment, completed using the World Resources Institute's Aqueduct tool, noted that 18% of Micron's total water withdrawals come from areas of high water stress — specifically our facilities in Xi'an, China, Boise, Idaho,[1] and Manassas, Virginia. Still, many of our locations face potential water stress, and we recognize the importance of being a good partner in managing local water resources.	Operations and environment | Goals and aspirations | Water Performance at a glance | Water management 2023 CDP water security disclosure, section W1.2b
Waste management	1. Amount of hazardous waste from manufacturing 2. Percentage recycled	TC-SC-150a.1	1. CY23 hazardous waste: 131,201 metric tons 2. CY23 waste reuse, recycle and recovery rate (including energy recovery): 94%	Operations and environment | Waste management Performance at a glance | Waste management

[1] Revisions to the WRI Aqueduct water risk atlas in late 2023 reclassified Boise, Idaho, as a location of extremely high water stress and Manassas, Virginia, as high water stress.

Topic	Accounting metric	Code	Disclosure	Location of disclosure and related context
Workforce health & safety	Description of efforts to assess, monitor, and reduce exposure of workforce to human health hazards	TC-SC-320a.1	Micron's manufacturing locations are certified according to ISO 45001:2018 occupational health and safety management system, which sets the foundation for an effective and auditable safety program. The Safety section discusses our health and safety efforts.	Team members | Safety Performance at a glance | Health and safety 2023 10-K, Health, safety and wellbeing, p. 16
	Total amount of monetary losses as a result of legal proceedings associated with employee health and safety violations	TC-SC-330a.2	In CY23, Micron was notified of one health and safety violation with no resulting fines.	Team members | Safety
Recruiting & managing a global & skilled workforce	Percentage of employees that are (1) foreign nationals and (2) located offshore	TC-SC-330a.1	FY23 foreign nationals: 5% FY23 located offshore: 80% Micron's global business model provides opportunities for team members to complete assignments in different countries. Micron is committed to protecting workers per the Micron code of conduct. Our code provides guidelines on how to act with integrity and make the right choices. It summarizes the laws and ethical principles that apply to our work, including industry standards such as the Responsible Business Alliance (RBA) code of conduct. We are strongly committed to respecting and protecting human rights wherever we operate. To that end, we follow all applicable laws relating to working hours and wages. Micron does not retain employees' identity or immigration original documents, such as government-issued identification, passports or work permits, unless such holdings are required by law. To protect human rights beyond our direct operations, Micron requires our suppliers and contractors to adopt the same or similar standards. In addition to the defined SASB metrics, Micron recognizes the importance of managing workforce recruitment, education, training, engagement and turnover as elements of recruiting and managing a global and skilled workforce, as well as diversity, equality and inclusion in the workforce. We report extensively on our efforts in these areas in our sustainability report and elsewhere.	Team members | Recruitment and development | Diversity, equality and inclusion Performance at a glance | Global workforce | Diversity, equality and inclusion | Turnover | Professional development 2023 10-K, Human capital, pp. 14-16 2023 DEI report, p. 11

Topic	Accounting metric	Code	Disclosure	Location of disclosure and related context
Product lifecycle management	Percentage of products by revenue that contain IEC 62474 declarable substances	TC-SC-410a.1	We do not believe a single percentage by revenue is an effective measure of performance and do not use this specific metric as a key performance indicator. Our approach to declarable substances contained in products can be found in the Hazardous and restricted substances section of this report.	Operations and environment | Hazardous and restricted substances
	Processor energy efficiency at a system-level for: (1) servers, (2) desktops, and (3) laptops	TC-SC-410a.2	This specific disclosure is not a relevant metric for Micron given the breadth of the company's product portfolio and manufacture of memory and storage (rather than processors). Micron recognizes the importance of product energy efficiency. Our approach to product energy efficiency is discussed in the Increasing energy efficiency section of this report.	Products and innovation | Increasing energy efficiency 2023 10-K, Sales, markets and products, pp. 7-11
Materials sourcing	Description of the management of risks associated with the use of critical materials	TC-SC-440a.1	Constrained supply of rare earth elements, minerals and metals may restrict our ability to manufacture certain products. With this in mind, we monitor rare earth elements, metals and materials originating from many regions that are used within our supply chain to understand global risks related to human rights, potential restrictions, availability, pricing and implications to manufacturing processes and products. The Responsible minerals section of our report and other Micron documents provide additional detail about our materials sourcing management approach.	Responsible sourcing | Responsible minerals 2023 10-K, Resources, pp. 12-14 | Trade regulations, p. 17 | Risks related to our business, operations and industry, p. 27 | Risks related to laws and regulations, pp. 35-36 Conflict minerals report Responsible minerals policy Supplier responsibility Micron supplier requirements standard, Responsible minerals policy and requirements, pp. 3-4 | Sub-tier supplier management, pp. 15-16
Intellectual property protection & competitive behavior	Total amount of monetary losses as a result of legal proceedings associated with anti-competitive behavior regulations	TC-SC-520a.1	In FY23, Micron incurred no monetary losses as a result of legal proceedings associated with anti-competitive behavior regulations.	2023 10-K, Antitrust matters, p. 76 GRI 206-1

TCFD index

Disclosure focus areas	Recommended disclosure	Summary response	Reference: detailed information
Governance			
Disclose the organization's governance around climate-related risks and opportunities.	A. Describe the board's oversight of climate-related risks and opportunities. B. Describe management's role in assessing and managing climate-related risks and opportunities.	Our board considers sustainability issues, including climate change, to be an integral part of its business oversight and our corporate strategy, and the board monitors the development and integration of this strategy, regularly reviewing performance. Sustainability issues including climate change are reviewed by a cross-functional sustainability council made up of Micron senior leaders representing a range of functions. Micron also has an environmental sustainability operations team focused on managing our scope 1 and 2 emissions among other environmental issues, as well as a scope 3 management group.	Sustainability strategy | Sustainability governance Operations and environment 2023 proxy statement, Sustainability, pp. 16-17 | Risk assessment and mitigation, pp. 17-19 | Components of our executive compensation program, pp. 37-51 Governance and sustainability committee charter, sections 1.05 and 4.12 2023 CDP climate change disclosure, sections C1.1a, C1.1b, C1.2, C1.3, C1.3a
Strategy			
Disclose the actual and potential impacts of climate-related risks and opportunities on the organization's businesses, strategy and financial planning.	A. Describe the climate-related risks and opportunities the organization has identified over the short, medium, and long term. B. Describe the impact of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning. C. Describe the resilience of the organization's strategy, taking into consideration different climate-related scenarios, including a 2°C or lower scenario	Climate change may pose physical risks to our manufacturing facilities or our suppliers' facilities, and we are subject to a variety of laws, regulations and industry standards, including with respect to climate change, that may have a material adverse effect on our business. New considerations related to climate change and the potential environmental impact may result in new laws, regulations or industry standards that may affect us, our suppliers and our customers.	Sustainability strategy | Opportunity and risk Products and innovation | Increasing energy efficiency Operations and environment 2023 10-K, Supply chain, materials, and third-party service providers, pp. 12-13 | Environmental compliance, p. 16 | Trade regulations, p. 17 | Item 1A risk factors, pp. 27-29, 32-33, 36-37 2023 CDP climate change disclosure, sections C2.3a, C2.4a, C3.2

Disclosure focus areas	Recommended disclosure	Summary response	Reference: detailed information
Risk Management			
Disclose how the organization identifies, assesses and manages climate-related risks.	A. Describe the organization's processes for identifying and assessing climate-related risks. B. Describe the organization's processes for managing climate-related risks. C. Describe how processes for identifying, assessing, and managing climate-related risks are integrated into the organization's overall risk management.	We designed our enterprise risk management program to clearly identify risk management roles and responsibilities, bring together senior management to discuss risk, promote visibility and constructive dialogue, and facilitate risk response and mitigation strategies, including regarding climate risks.	Sustainability strategy | Opportunity and risk | Topic prioritization Operations and environment Responsible sourcing 2023 proxy statement, Risk assessment and mitigation, pp. 17-19 2023 CDP climate change disclosure, sections C2.2, C2.2a, C2.3
Metrics and Targets			
Disclose the metrics and targets used to assess and manage relevant climate-related risks and opportunities where such information is material.	A. Disclose the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process. B. Disclose scope 1, scope 2, and, if appropriate, scope 3 greenhouse gas (GHG) emissions, and the related risks. C. Describe the targets used by the organization to manage climate-related risks and opportunities and performance against targets.	Micron monitors numerous metrics to measure progress toward achieving our environmental targets including reduction of emissions intensity, scope 1 and 2 emissions, overall energy consumption, renewable energy use, and supplier performance in support of climate targets.	Operations and environment | Goals and aspirations | Greenhouse gas emissions and energy Products and innovation | Increasing energy efficiency Responsible sourcing | Supplier environmental engagement 2023 CDP climate change disclosure, sections C4, C6, C7, C8

Performance at a glance

Environment

Energy

Metric	Unit	2020[1]	2021[1]	2022	2023
Energy consumption					
Purchased nonrenewable electricity	MWh	6,483,277	7,540,309	8,342,669	8,391,233
Purchased renewable electricity	MWh	0	556	200,141	393,561
Renewable electricity generated on-site	MWh	26	86	223	245
Purchased steam	MWh	84,806	88,731	87,345	78,386
Purchased cooling	MWh	115,191	113,317	108,524	108,249
Fuel	MWh	2,146,953	2,277,126	2,401,140	2,417,187
Total energy consumption	MWh	8,830,254	10,020,124	11,140,042	11,388,860
Grid electricity consumed	%	73%	75%	77%	77%

Energy consumption and savings in megawatt hours (MWh)

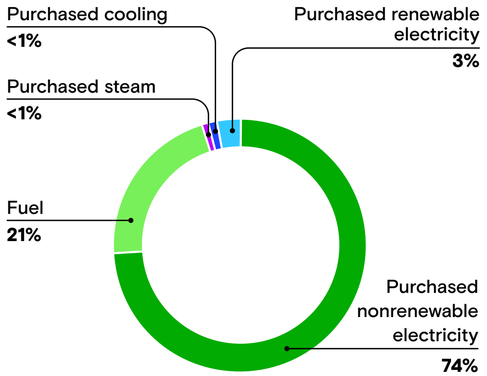
Energy data is calendar year

Information is collected and reported to CDP annually

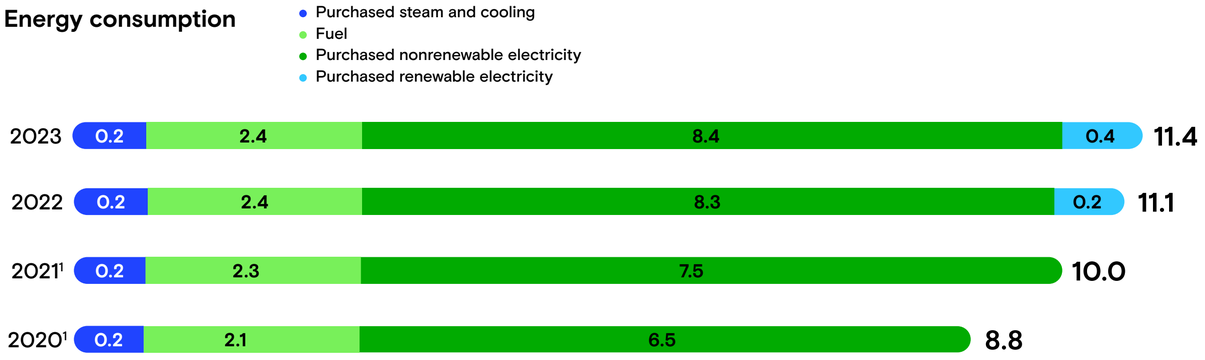
Data assumptions and calculations are consistent with the Greenhouse Gas Protocol and IPCC Guidelines for National Greenhouse Gas Inventories, 2019 Refinement

[1] Energy data revised from prior annual disclosures to reflect the divestiture of Lehi, Utah, operations

Energy breakdown by source



Energy consumption



Energy consumption in millions of megawatt hours (M MWh)

Renewable electricity purchased and generated prior to CY22 is not depicted

Greenhouse gas (GHG) emissions

	Unit	2020[1,2]	2021[1,3]	2022[3]	2023[2]
Scope 1 (operations) – by geography					
Singapore	$MTCO_2$-e	1,256,652	1,532,652	1,791,764	1,428,473
Japan	$MTCO_2$-e	1,094,440	999,019	844,172	607,951
United States	$MTCO_2$-e	319,197	334,561	322,848	252,670
Taiwan	$MTCO_2$-e	330,545	418,223	460,513	382,928
Mainland China	$MTCO_2$-e	46,011	54,324	49,621	13,589
Malaysia	$MTCO_2$-e	1,073	1,226	9,532	12,961
Scope 1 (operations) – by source					
Process GHGs	$MTCO_2$-e	2,108,631	2,414,421	2,557,642	1,871,474
Heat transfer fluid	$MTCO_2$-e	474,163	431,284	405,177	313,578
Fuel combustion	$MTCO_2$-e	435,633	461,917	486,830	489,962
Refrigerant	$MTCO_2$-e	20,840	24,293	20,853	15,837
Solvent combustion	$MTCO_2$-e	8,322	7,700	7,419	7,331
Mobile sources	$MTCO_2$-e	331	389	528	391
GHG emissions					
Emissions from operations (scope 1)	$MTCO_2$-e	3,047,919	3,340,004	3,478,449	2,698,572
Emissions from purchased energy (scope 2, market-based)	$MTCO_2$-e	3,621,519	3,807,204	4,132,206	4,138,062
Total GHG	$MTCO_2$-e	6,669,438	7,147,209	7,610,655	6,836,634

Emissions for calendar year in metric ton CO_2-equivalents

Information is collected and reported to CDP annually

Data assumptions and calculations are consistent with the Greenhouse Gas Protocol and IPCC Guidelines for National Greenhouse Gas Inventories, 2019 Refinement

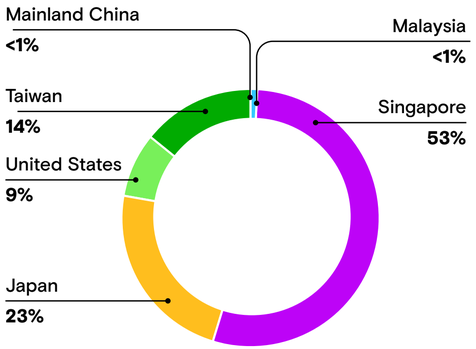
[1] GHG data revised from prior annual disclosures to reflect the divestiture of Lehi, Utah, operations

[2] Data assumptions and calculations are revised to be consistent with the Greenhouse Gas Protocol and IPCC Guidelines for National Greenhouse Gas Inventories, 2019 Refinement

[3] Data assumptions and calculations are consistent with the Greenhouse Gas Protocol and IPCC Guidelines for National Greenhouse Gas Inventories, 2006

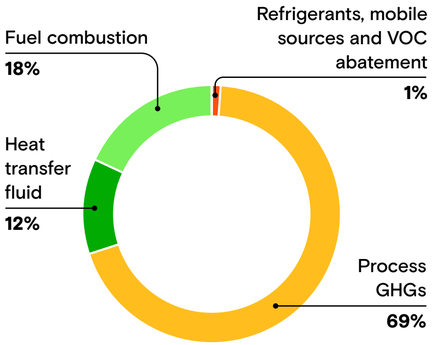
Emissions from operations (scope 1)

By geography



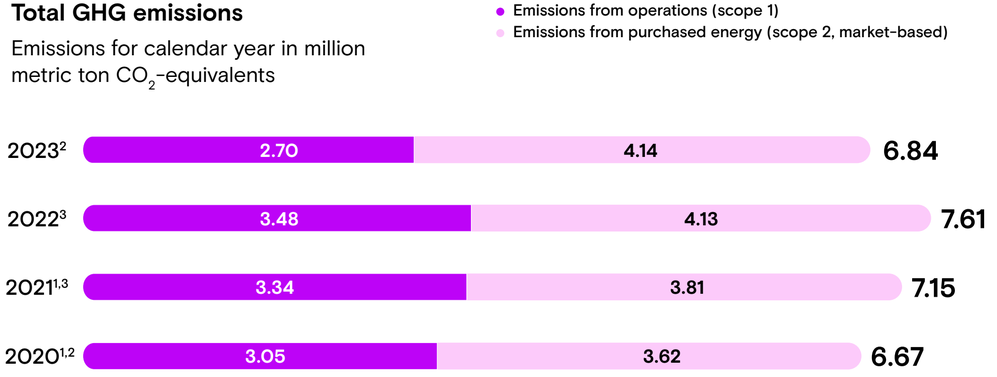
Emissions from operations (scope 1)

By source



Total GHG emissions

Emissions for calendar year in million metric ton CO_2-equivalents



Water management

	Unit	2020[1]	2021[1]	2022	2023
Water withdrawal by source					
Surface water	Thousand m^3	1,166	994	1,395	1,352
Groundwater	Thousand m^3	4,392	4,311	4,574	4,292
Municipal water	Thousand m^3	46,303	48,306	52,355	50,488
Rainwater	Thousand m^3	3.6	8.3	12.2	5.8
Total volume of water withdrawn	Thousand m^3	51,864	53,620	58,336	56,138
From regions with high or extremely high baseline water stress	%	1%	1%	1%	18%
Water reuse, recycle and restoration					
Water reuse and recycle	Thousand m^3	52,344	62,044	71,501	72,983
Water restoration	Thousand m^3	–	–	12,889	11,861
Water reuse, recycle and restoration	Thousand m^3	52,344	62,044	84,390	84,844
Water reuse, recycle and restoration rate	%	50%	54%	65%	66%
Water discharge by destination					
Surface water	Thousand m^3	6,382	5,626	5,365	5,019
Third-party POTW	Thousand m^3	33,287	35,182	38,382	36,800
Total discharge	Thousand m^3	39,668	40,808	43,747	41,819
Water consumption					
Total water consumption	Thousand m^3	12,196	12,811	14,590	14,319

Water data is calendar year

POTW: Publicly owned treatment works

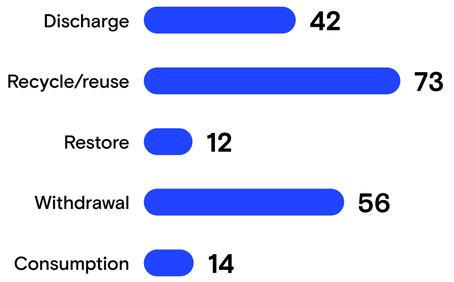
m^3: cubic meters

Revisions to the WRI Aqueduct water risk atlas in late 2023 reclassified Boise, Idaho, as a location of extremely high water stress and Manassas, Virginia, as high water stress.

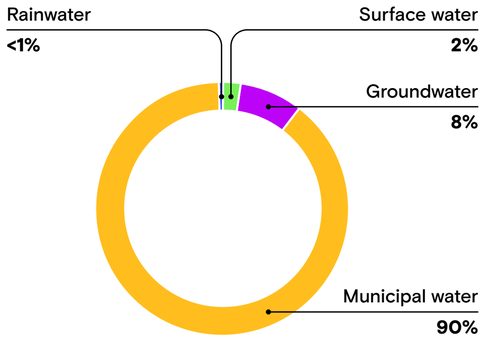
[1]Water data revised from prior annual disclosures to reflect the divestiture of Lehi, Utah, operations

Water mass balance

Water volume in million m^3

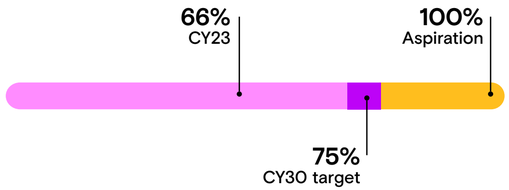


Water withdrawal by source



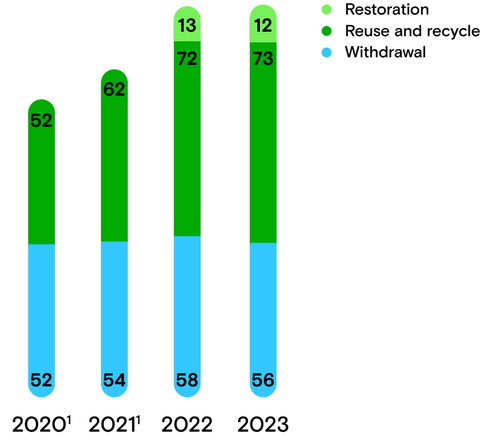
Water progress toward target

Water conservation through reuse, recycling and restoration



Water use and recycle

Water volume in million m^3



Waste management

	Unit	2020[1]	2021[1]	2022	2023
Waste generated					
Hazardous waste	Metric ton	129,492	149,848	150,286	131,201
Nonhazardous waste	Metric ton	68,088	73,628	83,426	64,363
Total waste	Metric ton	197,581	223,477	233,712	195,564
Waste diverted					
Hazardous waste diverted	Metric ton	102,838	119,753	117,799	99,445
Nonhazardous waste diverted	Metric ton	45,937	53,261	67,308	52,920
Total waste diverted	Metric ton	148,775	173,013	185,106	152,365
Waste directed to disposal					
Hazardous waste disposed	Metric ton	26,654	30,095	32,488	31,756
Nonhazardous waste disposed	Metric ton	22,151	20,368	16,118	11,443
Total waste disposed	Metric ton	48,805	50,463	48,606	43,199
Waste reuse/recycle/ recovery rate	%	85%	90%	93%	94%

Waste data is calendar year

Waste directed to disposal includes energy recovery, incineration, landfill and other treatment

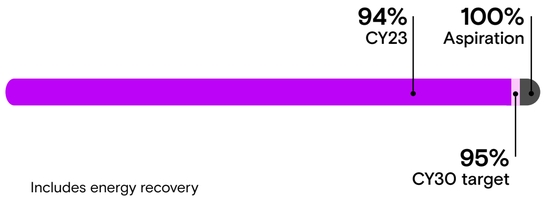
Waste reuse/recycle/recovery percentage includes energy recovery

Waste diverted excludes energy recovery

[1]Waste data revised from prior annual disclosures to reflect the divestiture of Lehi, Utah, operations

Waste progress toward target

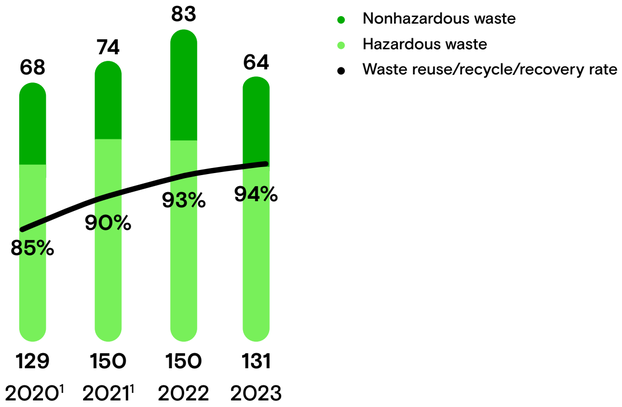
Reuse, recycling and recovery



Includes energy recovery

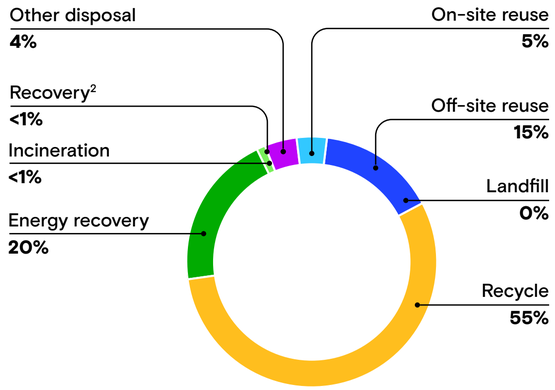
Total waste

Total waste in thousands of metric tons

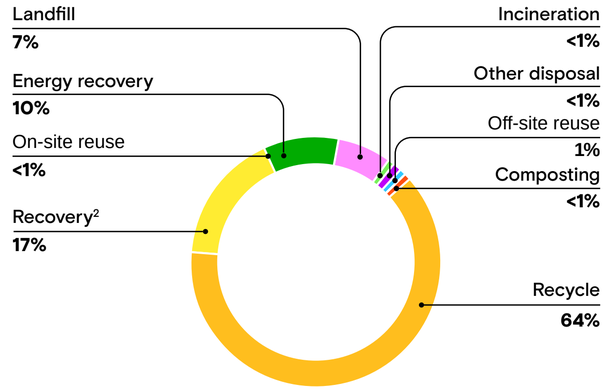


[1]Waste data revised from prior annual disclosures to reflect the divestiture of Lehi, Utah, operations

Hazardous waste breakdown



Nonhazardous waste breakdown



[2]Recovery excludes energy recovery

Team members

Diversity, equality and inclusion

Global workforce

	FY20	FY21	FY22	FY23
Global headcount	40,000	43,000	48,000	43,000
By region				
Europe	2%	2%	2%	2%
Americas	27%	24%	21%	20%
Asia	71%	74%	78%	78%

Percentages may not total 100 due to rounding. Find data definitions in the data dictionary of the DEI report.

Gender representation

	FY20		FY21		FY22		FY23	
	Female	Male	Female	Male	Female	Male	Female	Male
Board of directors	38%	63%	50%	50%	50%	50%	50%	50%
By roles								
Management and executives	14%	86%	17%	83%	18%	82%	14%	86%
Technical and engineering	21%	79%	23%	77%	24%	76%	25%	75%
Nontechnical	60%	40%	56%	44%	55%	46%	54%	46%
Global team members								
Total headcount by gender	29%	71%	30%	70%	31%	69%	31%	69%

Race and ethnicity

Board of directors	FY20	FY21	FY22	FY23
Black	0%	13%	13%	13%
Hispanic/Latino	0%	0%	0%	0%
Asian	13%	13%	13%	13%
2 or more races	0%	0%	0%	0%
Other underrepresented races/ethnicities	0%	0%	0%	0%
White	88%	75%	75%	75%

US race and ethnicity

U.S. overall	FY20	FY21	FY22	FY23
Black	3%	3%	4%	4%
Hispanic/Latino	5%	4%	5%	4%
Asian	23%	23%	27%	28%
2 or more races	2%	2%	2%	2%
Other underrepresented races/ethnicities	<1%	1%	1%	1%
White	67%	63%	57%	56%
Unknown	0%	4%	5%	6%

US race/ethnicity by group[1]

Overall

	White	Asian	Black	Hispanic/Latino	Other[2]	2+ races	Unknown
FY23	**56%**	**28%**	**4%**	**4%**	**1%**	**2%**	**6%**
FY22	57%	27%	4%	5%	1%	2%	5%
FY21	63%	23%	3%	4%	1%	2%	4%

Leaders

	White	Asian	Black	Hispanic/Latino	Other[2]	2+ races	Unknown
FY23	**59%**	**27%**	**2%**	**3%**	**1%**	**2%**	**6%**
FY22	62%	26%	2%	3%	1%	2%	5%
FY21	67%	23%	2%	3%	0%	2%	4%

Vice presidents

	White	Asian	Black	Hispanic/Latino	Other[2]	2+ races	Unknown
FY23	**56%**	**34%**	**2%**	**2%**	**0%**	**2%**	**3%**
FY22	57%	33%	2%	1%	0%	3%	4%
FY21	59%	33%	2%	0%	0%	2%	3%

Technical

	White	Asian	Black	Hispanic/Latino	Other[2]	2+ races	Unknown
FY23	**55%**	**29%**	**3%**	**4%**	**1%**	**2%**	**6%**
FY22	56%	28%	4%	5%	1%	2%	5%
FY21	62%	24%	3%	4%	1%	2%	4%

Senior leaders

	White	Asian	Black	Hispanic/Latino	Other[2]	2+ races	Unknown
FY23	**59%**	**29%**	**2%**	**3%**	**0%**	**1%**	**6%**
FY22	61%	30%	1%	2%	0%	2%	4%
FY21	65%	27%	1%	2%	0%	2%	3%

Nontechnical

	White	Asian	Black	Hispanic/Latino	Other[2]	2+ races	Unknown
FY23	**61%**	**21%**	**6%**	**5%**	**1%**	**2%**	**5%**
FY22	62%	20%	6%	5%	1%	2%	4%
FY21	68%	16%	5%	5%	1%	3%	3%

[1] Find data definitions in the DEI report.
Percentages may not total 100 due to rounding.
[2] Other underrepresented races/ethnicities

Turnover

Voluntary turnover	FY20	FY21	FY22	FY23
Voluntary turnover by gender				
Female	7%	7%	9%	8%
Male	5%	6%	9%	7%
Voluntary turnover by region				
Europe	2%	2%	5%	6%
Asia	6%	6%	9%	8%
Americas	5%	6%	9%	7%
Total voluntary turnover				
Total voluntary turnover	6%	6%	9%	7%

Voluntary turnover percentage for Micron team members (excludes interns and contractors)

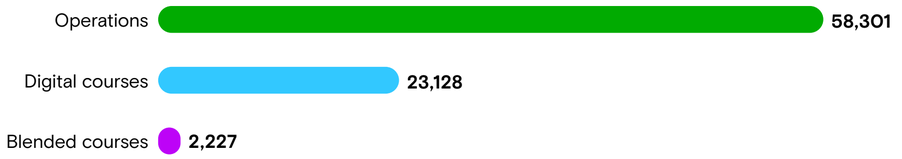
Professional development

	FY20	FY21	FY22	FY23
Total training hours	1,697,907	2,672,204	2,946,701	2,477,650
Average training hours per team member	43.1	62.0	61.2	57.5
Average professional development investment per FTE	$368	$354	$418	$276

Professional development metrics include on-demand, virtual and instructor-led trainings available through our internal platforms and exclude on-the-job training and external conferences and seminars.

Average amount spent on training and development per full-time equivalent (FTE) refers to the total amount spent on training and development in the last fiscal year divided by the total number of FTEs.

Internal professional development opportunities by instruction method



Operations includes on-the-job training, which provides the knowledge, skills and competencies required for team members to accomplish specific tasks within the workplace. It represents a set of processes that happen within a specific organizational context and involves assimilating and acquiring integrated clusters of values, skills, knowledge and feelings that lead to fundamental changes in behaviors of workers or teams.

Health and safety

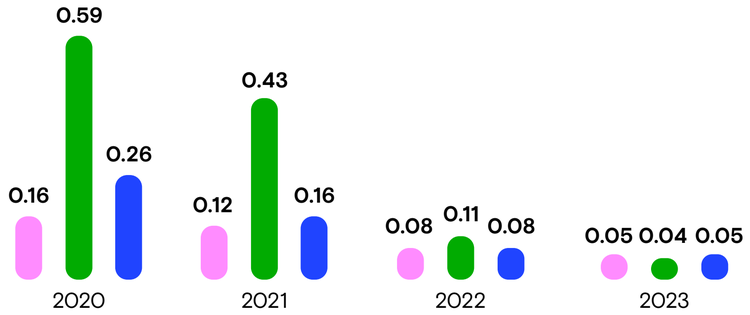
Health and safety		CY23
Management system		
Workers covered by an occupational health and safety management system		100%
Incidents		
Operations (team members)	**Count**	**Rate**
Fatalities	0	0
High-consequence injuries	1	0.001
Total hours worked	203,272,215	-
Recordable injuries	53	0.05
Construction (contractors)	**Count**	**Rate**
Fatalities	0	0
High-consequence injuries	0	0
Total hours worked	9,463,601	-
Recordable injuries	2	0.04
Safety violations	**Count**	**US$**
Total amount of monetary losses as a result of legal proceedings associated with employee health and safety violations	1	None

Recordable injury rates are based on 200,000 hours worked

Data for calendar year 2023

Data for manufacturing and technology development sites only

Recordable injury rate



Recordable injury rates are based on 200,000 hours worked

Data is calendar year

Responsible sourcing

Responsible Business Alliance validated assessment program

Average site audit score	
Site audit scores valid as of	December 31, 2023
No. of sites in scope	11
Average RBA audit score (out of 200)	198.2

Micron manufacturing sites undergo RBA audits approximately every two years. The most recent audit for each site, as of December 31, 2023, is included.

Community impact

Giving	CY23
Total giving	$11.2M
Giving by type	
Matching gifts	$2.48M
Grants	$7.76M
Program-related investments	$0.97M

Giving by type



$2.48M
Matching gift

$7.76M
Grants

$0.97M
Program-related investments

Micron Foundation giving

Published in June 2024, this report covers the sustainability performance of Micron Technology, Inc., in fiscal year 2023 (Sept. 2, 2022, through August 31, 2023), unless otherwise stated, and includes all of Micron's controlled entities. This 2024 sustainability report has been prepared with reference to the Global Reporting Initiative (GRI) Standards. GRI is the most widely accepted global standard for sustainability reporting and allows companies to measure, evaluate and communicate corporate sustainability information in a consistent and comparable manner. We are also reporting to the Sustainability Accounting Standards Board (SASB) semiconductor standard and provide an index aligned with the Task Force on Climate-Related Financial Disclosures (TCFD) framework.

Accompanying this report is our 2024 sustainability progress summary, which contains selected highlights from the past year.

Forward-looking statements

This report contains forward-looking statements that involve a number of risks and uncertainties. Such forward-looking statements may be identified by words such as "goal," "commitment," "anticipate," "expect," "intend," "pledge," "committed," "plan," "opportunities," "future," "believe," "target," "on track," "estimate," "continue," "likely," "may," "will," "would," "should," "could," and variations of such words and similar expressions. However, the absence of these words or similar expressions does not mean that a statement is not forward-looking. Specific forward-looking statements include, but are not limited to, statements such as those related to our diversity, equality and inclusion initiatives, sustainability plans, goals, commitments and related matters. These forward-looking statements are subject to a number of risks and uncertainties that could cause actual results to differ materially. Refer to the documents we file with the U.S. Securities and Exchange Commission, specifically our most recent annual report on Form 10-K and quarterly report on Form 10-Q. These documents contain and identify important factors that could cause our actual results to differ materially from those contained in these forward-looking statements. Although we believe that the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee future results, levels of activity, performance or achievements. We are under no duty to update any of the forward-looking statements to conform these statements to actual results.

About Micron Technology, Inc.

We are an industry leader in innovative memory and storage solutions transforming how the world uses information to enrich life *for all*. With a relentless focus on our customers, technology leadership, and manufacturing and operational excellence, Micron delivers a rich portfolio of high-performance DRAM, NAND and NOR memory and storage products through our Micron® and Crucial® brands. Every day, the innovations that our people create fuel the data economy, enabling advances in artificial intelligence and 5G applications that unleash opportunities — from the data center to the intelligent edge and across the client and mobile user experience. To learn more about Micron Technology, Inc. (Nasdaq: MU), visit micron.com.

micron.com/sustainability

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Appendix K-12
Example Micron Procedures

BOI ENVIRO - Waste Minimization Procedure

Document ID:	H7HV5MEZRJEZ-401591482-3758		
Version:	1	**ECN Facility:**	FACILITIES - BOISE
Last Modified:	7/11/2022	**ECN Area:**	BOI ENVIRO
ECN #:	301122549	Submit an ECN	

Current changes to the document are written in magenta text. New documents and documents with extensive changes will not be marked. Refer to the ECN History for details.

1.0 Introduction

1.1 Purpose

This procedure outlines waste minimization procedures and outlines specific environmental, safety, and health requirements. All workers performing any tasks associated with this procedure must read, understand, and follow this procedure.

The waste minimization program includes the following:

- Minimize adverse impact on the air, water, and land through pollution prevention and waste abatement.
- Preventing pollution at the source will save resources, increase operational efficiencies, and maintain a safe workplace.
- By abating wastes that cannot be eliminated at the source, we can recover useful resources and reduce the environmental and economic burden of waste disposal.
- Reduce both hazardous and non-hazardous wastes.
- Give priority to technologies and methods that substitute non-hazardous materials and use other source reduction approaches.
- Pursue waste abatement programs such as recycling and reuse.
- Encourage pollution prevention and waste abatement through changes in purchasing policies and specifications.

1.2 Scope

1.2.1 Sites Impacted

- Treasure Valley

1.2.2 Target User Audience

- Boise Environmental Group
- Recycling Team

1.2.3 Roles and Responsibilities

Role	Responsibility
Environmental Technician	• Assists Environmental engineer in determining if a material is waste. • Samples when appropriate for testing materials.
Environmental Engineer	• Checks regulations to verify that materials are or are not hazardous wastes. • Tracks waste disposal.

Role	Responsibility
Site Recycling Coordinator	• Coordinates the pick up and transfer of materials to recycle station. • Schedules recycled material pick up with vendors. • Tracks recycled materials.
Material Requester / Owner	• Requests new chemicals for different processes as needed. • Assists the chemical coordinators and approvers with the information needed to determine if the material will eventually become a waste or a recycled material.
Purchasing	• Works with the chemical coordinator and the vendor of the material to obtain proper information that will be used to make determinations on potential waste.

2.0 Safety

2.1 Job Hazard Analysis (JHA)

This document was evaluated for potential job hazards. This procedure includes no recognized risks and a Job Hazard Analysis (JHA) record is not required. If changes are required to this procedure, those changes must be evaluated for potential job hazards. For additional JHA information, refer to the JHA site, web alias JHA.

2.2 Personal Protective Equipment (PPE)

Protective equipment, including personal protective equipment for eyes, face, head, and extremities, protective clothing, respiratory devices, and protective shields and barriers, shall be provided, used, and maintained in a sanitary and reliable condition wherever it is necessary by reason of hazards of processes or environment, chemical hazards, radiological hazards, or mechanical irritants encountered in a manner capable of causing injury or impairment in the function of any part of the body through absorption, inhalation or physical contact.

2.3 Chemical Information

Chemicals encountered during execution of this procedure may vary. Refer to chemical information labels affixed to the equipment or specific tool and the Safety Data Sheet (SDS).

2.4 General Safety

Workers shall always adhere to work requirements of Environmental, Health, and Safety (EHS) policies and procedures while performing this procedure.

For any safety-related questions, contact ext. 66700 or (208) 368-3095 and ask to speak to Safety.

For emergencies that require immediate attention, call ext. 66611 or (208) 363-1405.

2.5 Descriptions of Danger, Warning, Caution, Notice, and Important

- **Danger:** Indicates a hazardous situation that, if not avoided, will result in death or a permanent disabling injury.
- **Warning:** Indicates a hazardous situation which, if not avoided, could result in death or severe injury.
- **Caution:** Indicates a hazardous situation that, if not avoided, may result in moderate or minor injury.
- **Notice:** Indicates a hazardous situation that, if not avoided, may result in property damage.
- **Important:** Alerts the user to information that is crucial to a step.

3.0 Components

3.1 Product Substitution

Through the CEDAR program, chemical approvers will challenge chemical requesters to substitute non-hazardous or less toxic materials in the chemical process and experiments.

3.2 Process Modification

To the extent that it does not affect vital research or production, modify processes to decrease the quantity of hazardous chemicals used and generated. Maintenance shops or service areas are also encouraged to use pollution prevention techniques.

3.3 Segregation and Characterization

Segregation and characterization allows waste to be redistributed for reuse for another area in the facility. Segregation simplifies the ability to recycle or reuse the material.

3.4 Reclamation, Recycle, Reuse

The facility reclaims some precious metals and valuable chemicals to reduce waste treatment costs. Examples include gold bug and copper electro-winner.

3.5 Neutralization and Deactivation

Some areas generate a simple, near pure chemical stream, such as a dilute acid or base, that can be rendered non-hazardous by neutralization or used in the treatment of other wastes to reduce the amount of virgin chemical used.

3.6 Inventory Management Control

Audit chemical supplies and use inventory control to reduce the amount of material stored and the possibility of materials expiring before use.

3.7 Awareness

Make waste minimization ideas available to the general populous and to purchasing to prevent over supply and large safety stocks.

3.8 Chemical Redistribution

Waste chemicals that are used and uncontaminated may be used in other areas at the facility if they meet the requirements of that area., When a waste unused chemical is disposed of, area experts are notified to see if the waste material can be properly used.

3.9 Expired Chemicals

MTI Boise is an R&D facility. It is site policy to use expired product past the expiration date as much as possible. The expiration dates are reviewed by subject matter experts (SME), vendors, and procurement to determine chemical integrity.

4.0 Quality Management

1. This procedure shall be reviewed at least annually by EHS management or designees and updated as necessary to improve the system or meet the requirements of the most current Federal and Micron standards.
2. Input received from customers at any time throughout the year is gathered and considered for addition to the program.

Micron Confidential

5.0 Supplemental Information

5.1 Related Documents

- Hazardous Waste Procedure (H7HV5MEZRJEZ-401591482-361)
- Universal Waste Procedure (H7HV5MEZRJEZ-401591482-3759)
- Recycling and Solid Waste Program (H7HV5MEZRJEZ-401591482-1653)

6.0 Document Control

- **Approval**: BOIFAC_ENVIRO_ECN_APPR
- **Notification**: BOIFAC_ENVIRO_TEAM
- **Retention**: MFG - Controlled Document
- **Review Schedule**: Annual

BOI ENVIRO - Recycling and Solid Waste Program

Document ID:	H7HV5MEZRJEZ-401591482-1653		
Version:	3	**ECN Facility:**	FACILITIES - BOISE
Last Modified:	4/2/2024	**ECN Area:**	BOI ENVIRO
ECN #:	301161944	Submit an ECN	

Current changes to the document are written in magenta text. New documents and documents with extensive changes will not be marked. Refer to the ECN History for details.

1.0 Introduction

1.1 Purpose

This document outlines the program that the environmental superintendent follows to maintain the Boise site recycling and sold waste programs. The environmental superintendent is also responsible for coordinating various tasks at Exchange Street, Crucial, and Bldg 80 areas as needed. This document also outlines specific environmental, safety, and health requirements. All workers performing any tasks associated with this procedure must read, understand, and follow this procedure.

1.2 Scope

1.2.1 Sites Impacted

- Treasure Valley sites

1.2.2 Target User Audience

- Team members and contractors performing procedures and tasks relating to recycling and solid waste (Boise EHS leadership, Environmental team, environmental superintendent, recycling technician)

1.2.3 Roles and Responsibilities

Role	Responsibility
Environmental Superintendent	• Adheres to Safety and Environmental procedures in this document and other EHS documents • Responsible for all tasks outlined for the superintendent in this document • Perform initial forklift and recertification for Environmental team members and contractors
Environmental Recycling Technician	• Responsible for recycling tasks outlined in this document
Security	• Secures the materials storage area daily (locked from 4:30 PM to 5:30 AM)

2.0 Safety

2.1 Job Hazard Analysis (JHA)

This document was evaluated for potential job hazards. This procedure includes no recognized risks and a Job Hazard Analysis (JHA) record is not required. If changes are required to this procedure, those changes must be evaluated for potential job hazards. For additional JHA information, refer to the JHA site, web alias JHA.

2.2 Personal Protective Equipment (PPE)

Protective equipment, including personal protective equipment for eyes, face, head, and extremities, protective clothing, respiratory devices, and protective shields and barriers, shall be provided, used, and maintained in a sanitary and reliable condition wherever it is necessary by reason of hazards of processes or environment, chemical hazards, radiological hazards, or mechanical irritants encountered in a manner capable of causing injury or impairment in the function of any part of the body through absorption, inhalation or physical contact.

The following PPE must always be available for specific job tasks:

- Gloves (acid, nitrile, leather)
- Safety glasses
- Safety shoes; steel toe
- JHA for specific tasks

Important: Refer to the task-specific JHAs for specific PPE.

2.3 Chemical Information

Chemicals encountered during execution of this procedure may vary. Refer to chemical information labels affixed to the equipment or specific tool and the Safety Data Sheet (SDS).

2.4 General Safety

Workers shall always adhere to work requirements of Environmental, Health, and Safety (EHS) policies and procedures while performing this procedure.

For any safety-related questions, contact (208) 363-1405 and ask to speak to Safety.

For emergencies that require immediate attention, call ext. 66611 or (208) 363-1405.

2.5 Descriptions of Danger, Warning, Caution, Notice, and Important

- **Danger:** Indicates a hazardous situation that, if not avoided, will result in death or a permanent disabling injury.
- **Warning:** Indicates a hazardous situation which, if not avoided, could result in death or severe injury.
- **Caution:** Indicates a hazardous situation that, if not avoided, may result in moderate or minor injury.
- **Notice:** Indicates a hazardous situation that, if not avoided, may result in property damage.
- **Important:** Alerts the user to information that is crucial to a step.

3.0 General Services Information

3.1 Hours of Operation and Contact Phone Numbers

- Provides services: Monday-Friday, 7:00am-4:00pm
- Environmental superintendent contact number: 208-867-1807
- After-hours contact: Security Control room (x66700) or 208-368-3095

3.2 Site Storage (Tent City)

- Recycling materials are stored inside and outside of two tents (S4 and S5).
- Recycling operations are based in one of the two tents (the baler is used for compacting recyclable material into bales).

- Recycling materials, equipment, and containers are stored on the grounds surrounding the site storage area.

3.3 Emergency Contact Information

- For emergencies at the Federal Way site including SIG and Mask, call 66611 (for internal phones) or 208-368-3095.
- For non-emergencies at the Federal Way site including SIG and Mask, call 66700 (for internal phones) or 208-368-3095.
- For all other Treasure Valley sites, call 911 (after 911 notification, contact Security Control at 66700 for internal phones or 208-368-3095).
- Notify the supervisor or host.

3.4 Learning Events

The environmental superintendent performing procedures and tasks relating to recycling and solid waste must complete the learning events listed on the profiles assigned in Micron's electronic training library (i.e., SF Learning).

3.5 Recycling

The environmental superintendent manages Micron's Federal Way recycling program and assists with the recycling program at other Micron Treasure Valley locations.

- Responsible for all equipment and vehicles associated with recycling operations (PMs, maintenance, checklists, proper operation), forklifts (4), trailers (26+), collection crates/drums, truck, car)
- Responsible for purchase of all associated recycle operations materials (gloves, safety glasses, WD-40, shrink wrap, heel straps, utility knives, tape, hand and power tools, radios)
- Oversees the collection and processing of materials (contracted recycle technicians)
- Coordinates the sale, shipping, and reconciliation of materials (payments or wire to the Facilities administration assistant to record on the credits page)
- Responsible for tracking and recording all associated data and compiling metrics
- Recycle team spreadsheet
- Responsible for hosting all associated contractors
- Responsible for continuous evaluation of materials for possible recycling opportunities.
- Responsible for evaluating/considering possible new vendors
- The following procedures outline tasks associated with recycling operations:
    - Baler Operation Procedure
    - Recycling Batteries
    - Recycling Cardboard
    - Recycling Computer Components
    - Recycling Metals
    - Recycling Pallets and Wood
    - Recycling Paper
    - Recycling Plastic Chemical Bottle and Drum
    - Recycling Plastic
    - Recycling Precious Metals and IP Materials
    - Recycling Premium Scrap Metals and IP Materials

- Recycling Print and Toner Cartridges
- Recycling Scrap Wafers and Blue Scrap (Silicon)
- Recycling Wafer Boats

3.6 Solid Waste

- Solid waste includes common trash, which is deposited in compactors and containers.
- The Environmental Superintendent has the following responsibilities:
  - Monitors and schedules the pick-up of solid waste daily (M-F), as well as determines the size of containers and level or service needed, and coordinates ordering, delivery, placement, and removal of containers as needed
  - Coordinates maintenance, cleaning, and repair of all solid waste containers
  - Tracks solid waste using the Solid Waste Sheet
  - Facilitates special requests for projects, as needed

3.7 Compaction of Trash Container Contents

The Facilities material handler group assists by using the Zoom Boom to compact trash in each trash container to maximize storage room in the container. Additionally, the Zoom Boom is used to empty Micron-owned smaller trash bins into the larger vendor-owned containers as needed.

3.8 Monthly Inspections

The environmental superintendent performs a monthly inspection of the site storage area (interior, surrounding grounds) to ensure no safety issues exist and everything is in good working order. The TPM 6S Audit (micron.com) website “Safety” section is completed after each inspection.

3.9 Desirable Trash

The site storage area also has a desirable trash section that contains items and materials made available for team member personal use. The environmental superintendent uses the Desirable Trash Policy as a guideline.

3.10 Plan, Submit, and Execute to Budget

The environmental superintendent performs the following tasks regarding the budget:

- Audits and reconciles invoices for approval (for recycling and solid waste).

3.11 Ensure EHS, Hosting, and Regulatory and Security Compliance

The environmental superintendent ensures that Micron is compliant with all state and federal regulations for recycling and solid waste. Additional responsibilities include facilitating site access for contractors and performing hosting responsibilities.

3.12 Compliance

- The Environmental Superintendent shall ensure that all recycling providers have been approved through the due diligence process by Corporate EHS.
  - Submits completed forms to EHS department for approval
  - Administers regulatory compliance for Environmental Recycling contractors (company, drivers, management) by ensuring contractors follow Micron policies and procedures

3.13 Hosting/Site Access

The Environmental Superintendent serves as the host for all recycling and solid waste contractors (both non-escorted and escorted) and facilitates site access as needed.

3.14 Badge Types

Three types of badges can be issued to extended workers:

- One-year, non-escorted: Must be renewed annually as needed (environmental superintendent updates renewal dates upon notification of expiration from Fieldglass). Update made in Fieldglass.
- 14-day, non-escorted: Issued to a contractor hired to perform a short-term special function.
- Visitor/escorted one day: Issued to individuals visiting the site for one day; must be escorted by a Micron team member.

3.14.1 Non-Escorted Extended Workers

For general information on how to acquire and host extended workers, type http://contractor/ in an internet browser. The superintendent performs the following tasks:

- Provides the instructions for Micron badge access to the extended worker and/or extended worker's company.
- Enters the extended worker's information into Fieldglass for approval to obtain Micron access.
- Confirms background check and onboarding packet requirements are met.
- Coordinates for the extended worker to complete the processing requirements in a Micron lobby to obtain an access badge.
- Completes the Host Checklist for EHS Area Training with the extended worker, obtains worker signature, and submit to the Security lobby receptionist.

3.15 Training

- Coordinates training for all drivers, sales representatives, Service Provider management, and equipment repair

4.0 Supplemental Information

4.1 Related Documents

- Recycle/Solid Waste Contacts ID=AWXEQM2TJXFF-1352857127-106

5.0 Document Control

- **Approval**: RECYCLE_SOLID_WASTE_PROC_APPR
- **Notification**: BOIFAC_EHS_MGR; BOIFAC_ENVIRO_TEAM
- **Retention**: MFG - Controlled Document
- **Review Schedule**: Biennial

BOI ENVIRO - Universal Waste Procedure

Document ID:	H7HV5MEZRJEZ-401591482-3759		
Version:	2	**ECN Facility:**	FACILITIES - BOISE
Last Modified:	4/10/2025	**ECN Area:**	BOI ENVIRO
ECN #:	301180396	Submit an ECN	

Current changes to the document are written in magenta text. New documents and documents with extensive changes will not be marked. Refer to the ECN History for details.

1.0 Introduction

1.1 Purpose

This procedure outlines universal waste requirements per 40CFR 273.1-273.81 and outlines specific environmental, safety, and health requirements. All workers performing any tasks associated with this procedure must read, understand, and follow this procedure.

This program, due to the common nature of the universal waste materials, was established to increase recycling and reduce illegal disposal of universal waste in municipal waste landfills and combustors.

1.2 Scope

1.2.1 Sites Impacted

- Treasure Valley

1.2.2 Target User Audience

- Boise Environmental Group

1.2.3 Roles and Responsibilities

Role	Responsibility
Environmental Technician	• Picks up universal waste material in the field. • Dates the waste and stores waste prior to shipping. • Prepares waste for shipping.
Environmental Engineer	• Performs weekly inspections on universal waste storage. • Creates universal waste profiles for each waste stream. • Schedules waste shipments and pickups that keep the waste material from exceeding time limits. • Prepares manifest and signs for transport.
Environmental Manager	• Overviews process and audits accordingly.

2.0 Safety

2.1 Job Hazard Analysis (JHA)

This document was evaluated for potential job hazards. This procedure includes no recognized risks and a Job Hazard Analysis (JHA) record is not required. If changes are required to this procedure, those changes must be evaluated for potential job hazards. For additional JHA information, refer to the JHA site, web alias JHA.

2.2 Personal Protective Equipment (PPE)

Protective equipment, including personal protective equipment for eyes, face, head, and extremities, protective clothing, respiratory devices, and protective shields and barriers,

shall be provided, used, and maintained in a sanitary and reliable condition wherever it is necessary by reason of hazards of processes or environment, chemical hazards, radiological hazards, or mechanical irritants encountered in a manner capable of causing injury or impairment in the function of any part of the body through absorption, inhalation or physical contact.

2.3 Chemical Information

Chemicals encountered during execution of this procedure may vary. Refer to chemical information labels affixed to the equipment or specific tool and the Safety Data Sheet (SDS).

2.4 General Safety

Workers shall always adhere to work requirements of Environmental, Health, and Safety (EHS) policies and procedures while performing this procedure.

For any safety-related questions, contact ext. 66700 or (208) 368-3095 and ask to speak to Safety.

For emergencies that require immediate attention, call ext. 66611 or (208) 363-1405.

2.5 Descriptions of Danger, Warning, Caution, Notice, and Important

- **Danger:** Indicates a hazardous situation that, if not avoided, will result in death or a permanent disabling injury.
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- **Notice:** Indicates a hazardous situation that, if not avoided, may result in property damage.
- **Important:** Alerts the user to information that is crucial to a step.

3.0 Universal Waste Streams

The Universal Waste program only applies to the following types of hazardous waste:

- Batteries
- Lamps, bulbs
- Pesticides
- Mercury-containing equipment such as: thermostats, cathode ray tubes (CRT), LCD monitors
- Aerosol cans

4.0 Regulatory Requirements

The less stringent universal waste requirements are a choice. If desired, the generators may alternatively manage such materials under the full subtitle C Hazardous Waste regulatory program spelled out in parts 260-270 in the 40 CFR. The advantages of managing waste as a universal waste are the extended accumulation times and omission of waste codes for reporting and transporting.

4.1 Accumulation Time Period

Universal waste streams may be accumulated from point of generation up to one full calendar year, a large quantity generator (LQG) of hazardous waste may only accumulate hazardous waste for 90 days.

4.2 Handler Status

A small quantity handler of universal waste is a handler that always has less than 5,000 kg (11,000 lbs.) of total universal waste at any one time. Handlers that obtain greater than 5,00 kg (11,000 lbs.) at any one time are considered a large quantity handler of universal waste for the remainder of the current year.

4.3 Manifest Requirements

Universal wastes are shipped to approved treatment facilities that recycle and reclaim the waste. The manifest for shipping the waste must have the universal waste description for each waste (universal waste battery, universal waste lamp) no hazardous waste codes are used on the manifest for these waste streams. The manifest must be signed and dated by the Environmental engineer responsible for shipping the universal waste.

4.4 Labeling Requirements

The universal waste must be kept in closed, structurally sound containers, tanks, or transport vehicles that prevent releases to the environment. The containers must be labeled properly with the words Universal Waste, the date of generation, and a descriptor (example: Waste Lamps). For transport, the containers will have the proper DOT labeling added prior to shipment.

5.0 Quality Management

1. This procedure shall be reviewed at least annually by EHS management or designees and updated as necessary to improve the system or meet the requirements of the most current Federal and Micron standards.
2. Input received from customers at any time throughout the year is gathered and considered for addition to the program.

6.0 Supplemental Information

6.1 Related Documents

- Hazardous Waste Procedure (H7HV5MEZRJEZ-401591482-361)
- Weekly Inspection Form (CCUKJ3W66SC7-170302713-61)
- Waste Minimization Procedure (H7HV5MEZRJEZ-401591482-3758)

6.2 Definitions and Acronyms

- **LQG:** Large quantity generator
- **SQG:** Small quantity generator

7.0 Document Control

- **Approval**: BOIFAC_ENVIRO_ECN_APPR
- **Notification**: BOIFAC_ENVIRO_TEAM
- **Retention**: MFG - Controlled Document
- **Review Schedule**: Annual