Welcome NIST Safety Update

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Visiting Committee on Advanced Technology June 7, 2016

2014 NIST Safety Climate Survey Planned Actions

O1 EMPLOYEE RIGHTS AND RESPONSIBILITIES

Improve communication to employees of their safety rights and responsibilities.



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SAFETY TRAINING Improve the quality of safety training.

02 UNSAFE CONDITIONS AND PRACTICES

Provide guidance on addressing unsafe conditions and practices.

MANAGEMENT OBSERVATIONS

Incorporate discussions of safety culture issues into management observations.

03 INCIDENT REPORTING & LESSONS LEARNED

Implement improved incident reporting processes and mechanisms for sharing lessons learned.

PERFORM Re-emphasize

PERFORMANCE APPRAISALS

Re-emphasize the importance of employees receiving safety performance feedback during performance appraisals.

AGENDA

Report regularly to VCAT on NIST's safety improvement efforts.



WORKPLACE INSPECTIONS



INCIDENT REPORTING



CONTINUAL SAFETY LEARNING

Workplace Inspections



Clear roles & responsibilities



Minimum frequencies



Trained OU inspectors



OU-led inspections with Safety Office notification



Workplace Inspections

User Management			Questions		Reports	
Inspection Detail						
Organization Information Ot: 05HE Dowson: 151 Group: 151.01 Space Information Building: 223 Room: A313 Space Contact(s): Bruce johnson Contact Supervisor: Thomas McGiff			Inspection Si Inspection Type: Checklist Used: Inspection Lead: Conducted On: Submitted On: Status:	UMMARY OSH Inspection BBP Robert Ortiz Thu Mar 03 2016 00:00 Thu Mar 03 2016 00:00 uploaded		
Team Member				Pad w	20174	
Name				<		
Diana Masselle, Bruce Joh		5		Does the work area	outinely generate chemical waste	
Responses & Deficiencies Question		Answer	Fail Conditi	Has a satellite accumulation area (SIA) been established?		
Question Are PPE of various sizes available? Are labeled biohazard waste containers?		Yes	No No	is the SAA located at	Is the SAA located at or near the point of waste generation, and under contro the individual responsible for the waste?	
Is disinfectants available?		Yes	No	D Is there a sign indica	ting the location of the SAA?	
				Are chemical wastes compatible with the	stored in containers that are in gr chemical constituents?	od condition ar
				A list of the constitue	containers labeled with all of the fi onts.An estimate of the volume or tact information for the individual	percent volume
				Do the waste contain	ters have screw on lids?	
			•••••	Are the chemical wa	ste containers kept closed when t	ey are not be
				Are chemical waste bins, trays)?	containers stored within spill (seco	ndary) contain
				Are incompatible che separate cabinets or	mical wastes segregated into sep bins?	arate container
				is the amount of che and/or 1 quart of act	mical waste stored less than 55 g dely hazardous waste?	ilions of hazard



Classification of deficiencies



Recommended abatement actions & interim measures



Abatement plans



Electronic data collection

2014 NIST Safety Climate Survey

Name About Vb Of Facts Programs Name Totaling Name Consumed Good Consumed Conditions • bit(r) Rome - IN1 Incident Reporting and Investigation System (IRIS) Incident Reporting and Investigation System (IRIS) Incident Reporting Investigation System (IRIS) Incident Reporting Investigation Investigation System (IRIS) Incident Reporting Investigation Investigatin Investin Investigation Investin Investigatin Investin Investi
Report an Incident Report an Incident My Incidents
Create an Investigation Create an Investigation Find an incident

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A large majority of respondents agreed that reporting incidents helps improve safety at NIST.



Less than half of respondents use incident reports for lessons learned.



Apparent **disconnect** between **perceived value** and **practical application**.





Additional Program Improvements

Clarify incident types



Increase reporting of "near misses"

Exclude unsafe conditions



Implement corrective action tracking system

Streamline reporting of simple incidents





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Provide additional tools/resources



What is Microlearning?



Small, bite-sized bursts



One objective/idea



Focused building blocks



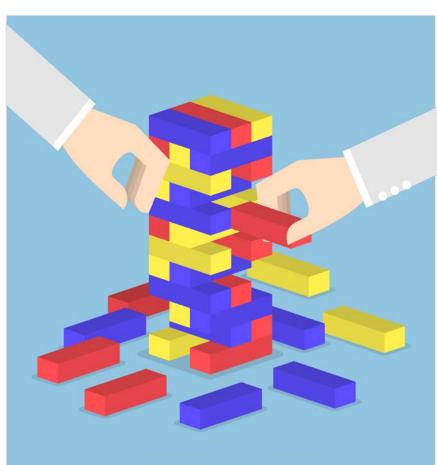
Spaced out over time



Less time disruptive



Accessible



Microlearning Strategy

Internal and external incidents

Workplace inspection data

Management/staff observations

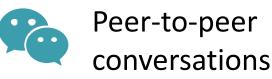




Critical-thinking exercises







Microlearning Strategy



Balanced

- Ensure no one receives too many or too few
- Over time, reinforce all requirements



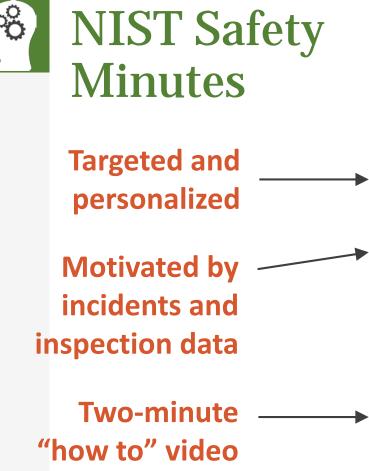
Targeted

 Build targeted lists using Safety Education and Training application



Continually Evaluate and Improve

Track open rates and engagement and adjust strategy





_ Safety Support

Learning On Demand

Over time, we will build a library of quick reference materials on specific topics that can be easily accessed by staff members who want a refresher.



DISCUSSION