

"To assure safe and healthful working conditions for working men and women of America."

The Museum of Science, Boston Experience with the OSHA Consultation Program

MOS Mission: To inspire a lifelong love in science in Everyone



Museum of Science

Who is your point of contact for SAFETY at your institution?



Our Journey to Safer Shops

Initial Contact Part I
Physical
Safety

Part II Health Safety Mandatory Leadership in Safety Training

Closed Out the Process



November 2022 – contacted MA DLS for Consultation O1/06/2023 - On-site Physical Safety Inspection O2/22/2024 -Completed observed

"serious" violations

04/05/2023 - On-site
Health Safety
Inspection
05/19/2023 Completed observed

"serious" violations

05/19/2023

05/24/2023

General "renewed" institutional appreciation for Safety resulting in opportunities for improvement beyond the REQUIREMENTS

Why we chose to do this?

- Make a fresh DEDICATED "refocused" commitment to employee safety in our highest hazard areas.
- Fresh set of EYES! With a VOICE that was not mine.



Shop Safety

- Exhibit Shops
 - Carpentry
 - Metal Fabrication
- Education
 - Maker-Space
- Facilities
 - Carpentry
 - Plumbing/HVAC
 - Mechanical



Requested

Documents for Review

Setting the Stage

- Emergency Action Plan
- Fire Prevention Plan
- Lockout/Tagout
- Forklift Training
- Hazard Communication
- Respiratory Protection
- Hearing Conservation
- Bloodborne Pathogens
- Personal Protective Equipment/ Job Hazard Analysis Process
- OSHA 300 logs past 5 years



Onsite Visit Agenda

Cross-divisional and at all-level Museum representation

Opening Conference	 Outline of Expectations Required written programs and documentation reviewed Discussed the Museum's general management of safety and health
Inspection of Shops	Hazards identified & prioritizedEffects of Hazards explainedRecommended Actions Provided
BREAK for Inspector to Prepare for Close	
Closing Conference	ExpectationsIdentified Hazards ReviewedClarifications & Robust Conversation about Recommendations



SERIOUS HAZARDS



Physical

16 violations

- Fall Protection
- Compressed gas
- Machine guarding
- Incompatible accessory (Forklift)
- Electrical
- Storage

Onsite consult- 01/06/2023 Report received- 02/22/2023 Due Date- 03/10/2023



Health

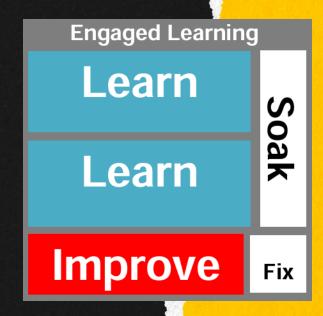
13 violations

- Chemical
- Labeling
- Ventilation
- Housekeeping
- Eyewash/Shower

Onsite consult - 04/05/2023 Report received- 04/10/2023 Due Date- 05/19/2023 "Safety is not the absence of events; safety is the presence of defenses"

—Todd Conklin,

Pre-Accident Investigations: An Introduction to Organizational Safety

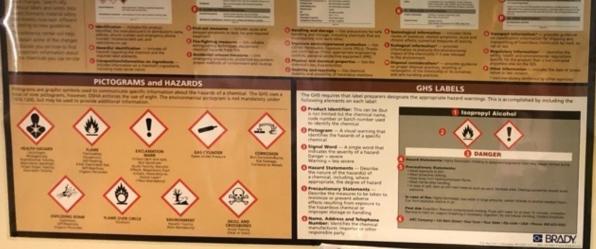




safety requirements



Benefit: Recognizing significant hazards could be present and appreciate alternatives







Benefits: Education! Formal, Passive, and Sustained.

Positive Reinformcements for & Sustainable Recommendations on Core Elements



Management Leadership



Hazard
Identification and
Assessment



Hazard
Prevention and
Control



Education and Training