

## Garage Hazards

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CSEA Statewide OSH Conference, April 27-28, 2018

# Agenda

- Hazard Mapping
- Hazard Ranking
- Hazard Fact Sheets
  - Safety Programs
  - Physical Hazards
  - Health Hazards
- Discussion
- CSEA OSH Specialists

All hazards are not equal.

Because of this we want to make sure the most severe hazards are addressed first.

The method taught in this section will allow the hazards identified to be ranked, so we can focus our limited time and resources on the most serious hazards first.

### **Hazard Communication**

Regulation: 29 CFR 1910.1200

#### Requirements:

- Written Hazard Communication Program? (Y/N)
- Chemical Product List for all products used? (Y/N)
- 3. SDSs for each product on list in each work area? (Y/N)
- 4. Labeling for all containers and piping? (Y/N)
- 5. Training on regulation, program and hazards? (Y/N)
- 6. Information on labels, SDSs and non-routine tasks? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_) www.osha.gov/dsg/hazcom/index.html

Two primary factors are considered when comparing hazards. The Severity (S) of the outcome and the Probability (P) that it will occur.

On the fact sheets start by checking the answers to the compliance questions. Yes answers means there is compliance with the regulation, and no non-compliance, which usually means that the potential hazard has not been controlled.

Determine within the committee what constitutes a low, medium or high hazard. There is no set standard. It may help to start with the high and low hazards and work your way to the middle as they are most controversial.

Rank (S) and (P) factors as high, medium or low and record them at the bottom of the fact sheet.

<u>Severity</u> <u>Probability</u>

High High

**High** Medium

High Low

Medium High

Medium Medium

Medium Low

Low High

Low Medium

Low Low

Hazards that are not present get a probability ranking of **never** (N).

So a never ranking means that the particular hazard does not apply to your workplace or the work activities performed there at the time of the assessment.

In the future, if work operations change, the rankings could change.

### **Hazard Communication**

Regulation: 29 CFR 1910.1200

#### Requirements:

- 1. Written Hazard Communication Program?  $(\underline{Y}/N)$
- 2. Chemical Product List for all products used?  $(\underline{Y}/N)$
- 3. SDSs for each product on list in each work area? (Y/N)
- 4. Labeling for all containers and piping? (Y/N)
- 5. Training on regulation, program and hazards? (Y/N)
- 6. Information on labels, SDSs and non-routine tasks? (Y/N) Hazard Ranking: Severity (High) and Probability (Low) www.osha.gov/dsg/hazcom/index.html

## Hazard Ranking Map Marker

Hazard Communication (S) High and (P) Low

#### Step 1

Draw a basic floor plan of your garage, the yard and any support areas (like equipment sheds, fuel islands, bulk chemical storage tanks, salt storage barns, etc.)

#### Step 2

As the Garage Hazard Fact sheets are reviewed draw onto you map the corresponding hazard markers where the hazards are present and use the Hazard Name to cross reference from the hazard fact sheet to the map.

Hazards may be present in more than one location, so mark them in all the places where they are present.

For safety program issues that affect the entire workplace, designate a location on the map to place these hazard markers.

## **Hazard Marker**

Hazard Communication (S) High and (P) Low

#### Step 3

Take a look at your map and discuss strategies on how to eliminate or reduce the hazards that your group has identified.

Use the hierarchy of controls to pick the most effective solutions.

Consider all ideas and write them down. If this is a second attempt or more at addressing a hazard, record solutions that have failed in the past.

## Hierarchy of Controls

- [1] Eliminate the Hazard remove it completely from your workplace.
- 2 Substitute the Hazard -use a safer alternative.
- 3 Isolate the Hazard keep workers away as much as possible.
- 4 Engineering Controls use of tools or equipment to reduce risk.
- Administrative Controls implementing policies, procedures and training.
- Personal Protective Equipment garments/equipment designed to protect the wearer from injury or infection.

#### Step 5

If the solution looks like it will be expensive, identify some inexpensive temporary solutions that may be lower down the hierarchy that could be used until the final solution can be funded.

Remember that cost is not an allowed excuse for a violation of the PESH regulations.

Each Hazard Fact Sheet has the following sections:

- Hazard Name
- Regulation Name
- Compliance Questions
- Hazard Ranking Spaces
- Hazard Topic Web Page

Circle "Y" or "N" for each requirement. A "N" is a regulatory violation that needs to be addressed.

Provide hazard rankings for the severity and probability of the potential hazards

On the back of the fact sheet write in any solution(s) that have not worked in the past and any ones being considered.

Rank potential solutions sing the hierarchy of controls.

The Hazard Fact Sheets are broken into three groups:

- Safety Programs
- Physical Hazards
- Health Hazards

# Safety Programs

While safety programs are not a direct hazard they are the plans for protecting workers from hazards in the workplace.

### Injury and Illness Recordkeeping

Regulation: 12 NYCRR Part 800.1

#### Requirements:

- 1. SH 900 Log of Injuries and Illnesses completed? (Y/N)
- 2. SH 902 Incident Report for each entry on log? (Y/N)
- 3. SH 901 Annual Summary posted from 2/1 to 4/30? (Y/N)
- 4. Records kept for current year plus five? (Y/N)
- 5. Employees trained on how to report injuries? (Y/N)
- 6. PESH awareness posters displayed? (Y/N)
- 7. Access provided to records on request? (Y/N)

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_)

labor.ny.gov/workerprotection/safetyhealth/Part801submittal5.shtm

### Recordkeeping – PESH Poster



### Workplace Violence Prevention

Regulation: 12 NYCRR Part 800.6

#### Requirements:

- Written Workplace Violence Prevention Program? (Y/N)
- 2. Risk evaluation of each work place? (Y/N)
- 3. Policy Statement posted in the workplace? (Y/N)
- 4. Violence incident reporting system? (Y/N)
- 5. Annual violence incident review? (Y/N)
- 6. Annual training on regulation and program? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

labor.ny.gov/workerprotection/safetyhealth/workplaceviolence.shtm

### **Hazard Communication**

Regulation: 29 CFR 1910.1200

#### Requirements:

- Written Hazard Communication Program? (Y/N)
- Chemical Product List for all products used? (Y/N)
- 3. SDSs for each product on list in each work area? (Y/N)
- 4. Labeling for all containers and piping? (Y/N)
- 5. Training on regulation, program and hazards? (Y/N)
- 6. Information on labels, SDSs and non-routine tasks? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_) www.osha.gov/dsg/hazcom/index.html

### Right-to-Know

Regulation: 12 NYCRR 820

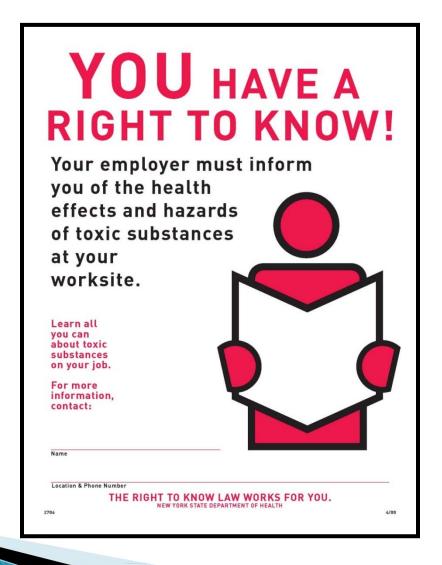
Requirements:

- (M)SDSs for all hazardous chemicals? (Y/N)
- 2. Annual training on hazardous chemicals? (Y/N)
- 3. RTK contact poster displayed in all work areas? (Y/N)

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_)

www.health.ny.gov/environmental/workplace/right\_to\_know/

### Right-to-Know - Poster



### Emergency Action Plan

Regulation: 29 CFR 1910.38

#### Requirements:

- Written Emergency Action Plan? (Y/N)
- Emergency alerting system? (Y/N)
- Evacuation routes and emergency numbers? (Y/N)
- 4. Medical and rescue procedures? (Y/N)
- 5. Emergency reporting procedures? (Y/N)
- 6. Procedures for shut down of critical equipment? (Y/N)
- 7. Training on the plan components?

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_)

www.osha.gov/SLTC/etools/evacuation/expertsystem/default.htm

### Fire Prevention Plan

Regulation: 29 CFR 1910.39

#### Requirements:

- Written Fire Prevention Plan? (Y/N)
- Person assigned for fire hazards? (Y/N)
- 3. Person assigned for fuel hazards? (Y/N)
- 4. List of fire and ignition hazards? (Y/N)
- 5. List of fire protection equipment? (Y/N)
- 6. Procedures for heat generating equipment? (Y/N)
- 7. Procedures for material handling and storage? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_) www.dol.gov/elaws/fire.htm

### Personal Protective Equipment

Regulation: 29 CFR 1910.132

Requirements:

- Documented hazard assessment performed? (Y/N)
- 2. Proper fitting PPE is provided? (Y/N)
- 3. Damaged PPE is not used? (Y/N)
- 4. PPE training is provided? (Y/N)
- 5. PPE is paid for by the employer except for safety toe shoes and prescription safety glasses taken home and logging boots? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_) www.osha.gov/SLTC/personalprotectiveequipment/

### Respiratory Protection

Regulation: 29 CFR 1910.134

#### Requirements:

- Written Respiratory Protection program? (Y/N)
- 2. Respirators selected by hazard and amount present? (Y/N)
- 3. Medical form completed for all respirator users? (Y/N)
- 4. Respirator fit testing all users? (Y/N)
- 5. Respirator training for all users? (Y/N)
- 6. Procedures for IDLH respirator use? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

www.osha.gov/SLTC/respiratoryprotection/index.html

### Hearing Conservation

Regulation: 29 CFR 1910.95

#### Requirements:

- Sound level survey performed for high noise levels? (Y/N)
- 2. Written Program for noise levels above 85 dBA? (Y/N)
- 3. Hearing tests for all workers above 85 dBA? (Y/N)
- 4. Hearing protectors provided for areas above 85 dBA? (Y/N)
- 5. Hearing protectors required for areas above 90 dBA? (Y/N)
- 6. Training provided for all workers above 85 dBA? (Y/N)
- 7. Copy of regulation posted in the work place? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

www.osha.gov/SLTC/noisehearingconservation/index.html

### Lockout/Tagout

Regulation: 29 CFR 1910.147

#### Requirements:

- Written Energy Control Program? (Y/N)
- Equipment specific energy control procedures? (Y/N)
- 3. Special protection provided for tagout use? (Y/N)
- 4. Lockout devices are provided by the employer? (Y/N)
- 5. Training provided on the program and procedures? (Y/N)
- 6. Annual procedure use review performed? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

www.osha.gov/SLTC/controlhazardousenergy/index.html

### Permit-Required Confined Spaces

Regulation: 29 CFR 1910.146

#### Requirements:

- Written Permit Space Entry Program? (Y/N)
- List of Permit Spaces created? (Y/N)
- 3. Hazards of all spaces assessed? (Y/N)
- 4. Entry to all spaces labeled or controlled? (Y/N)
- 5. Entry permit form used? (Y/N)
- 6. Entry equipment provided and used? (Y/N)
- 7. Permit space entry training provided? (Y/N)

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_)

www.osha.gov/SLTC/confinedspaces/index.html

## Bloodborne Pathogens

Regulation: 29 CFR 1910.1030

#### Requirements:

- Written Exposure Control Program? (Y/N)
- 2. Exposure determination performed? (Y/N)
- Universal precautions used? (Y/N)
- 4. Sharps injury log maintained? (Y/N)
- 5. Post exposure follow-up provided? (Y/N)
- 6. Annual training provided? (Y/N)
- 7. Exposure Control Plan reviewed annually? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

www.osha.gov/SLTC/bloodbornepathogens/index.html

## Emergency Response

Regulation: 29 CFR 1910.120

Requirements:

- Written Emergency Response Program? (Y/N)
- 2. Workers aware of employers ICS? (Y/N)
- 3. Road workers trained to FRAL? (Y/N)
- 4. Workers expected to respond at FROL? (Y/N)
- 5. Initial training for all responders? (Y/N)
- 6. Annual training for all responders? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_) www.osha.gov/SLTC/emergencypreparedness/index.html

# Physical Hazards

These hazards will result in physical injury to workers if they occur.

## Flammable Liquid Storage

Regulation: 29 CFR 1910.106

#### Requirements:

- 1. Flammable liquids are stored in approved, self closing, 5 gallon (or smaller) storage cans? (Y/N)
- 2. Approved cabinets are used for storage of 60 gallons of flammable liquids in cans? (Y/N)
- 3. No more than 25 gallons of class 1 liquids are stored outside a cabinet? (Y/N)
- 4. No more than 120 gallons of Class 2,3, or 4 flammable are stored outside a cabinet? (Y/N)
- 5. No smoking in flammable liquid storage areas? (Y/N) Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

www.osha.gov/SLTC/firesafety/index.html

# Flammable Liquid Dispensing

Regulation: 29 CFR 1910.106

### Requirements:

- Dispensing containers are grounded? (Y/N)
- 2. Dispensing is through an approved pump or self closing valve? (Y/N)
- Receiving containers are bonded to the dispensing container? (Y/N)
- 4. Waste liquids are stored in closed containers? (Y/N)
- 5. No smoking in dispensing area? (Y/N)

### Fuel Islands 1

Regulation: 29 CFR 1910.106

#### Requirements:

- 1. Liquids are stored in underground or specially installed above ground tanks? (Y/N)
- The dispensing nozzles are manual or automatic self-closing? (Y/N)
- Manual dispensing nozzles do not have a hold open device? (Y/N)
- 4. Electrical installations have the proper intrinsic safety rating? (Y/N)
- Container dispensing is only into those that are metal and have a spring loaded or screw type lid? (Y/N)

### Fuel Islands 2

Regulation: 29 CFR 1910.106

### Requirements:

- There is a remotely located and clearly marked emergency shut-off switch? (Y/N)
- 2. There is drainage to take a spill away from buildings? (Y/N)
- 3. Pumps have collision protection? (Y/N)
- 4. A fire extinguisher is within 75 ft of the pumps and tank filling port? (Y/N)
- 5. A sign states smoking is prohibited and vehicles are turned off when fueling? (Y/N)

## Liquefied Petroleum Gas

Regulation: 29 CFR 1910.110

### Requirements:

- 1. LPG tank filling 10 ft from any masonry building? (Y/N)
- 2. LPG tank filling 25 ft from other buildings and openings? (Y/N)
- 3. LPG tanks are filled outside or buildings for it? (Y/N)
- 4. Forklifts are turned off when filling tanks? (Y/N)
- 5. Spare LPG tanks stored secure and outside? (Y/N)

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_)

www.osha.gov/pls/oshaweb/owadisp.show\_document?p\_table= STANDARDS&p\_id=9756

### Electrical Installations 1

Regulation: 29 CFR 1910.303

#### Requirements:

- 1. All components approved for use? (Y/N)
- 2. All components used according to label or list? (Y/N)
- 3. Unused openings are closed to prevent access? (Y/N)
- 4. There are no damaged parts? (Y/N)
- 5. All disconnects are marked to show the equipment they control? (Y/N)
- 6. Working space at (least 3 ft) is kept around electrical equipment that needs regular service? (Y/N)

### Electrical Installations 2

Regulation: 29 CFR 1910.303

### Requirements:

- 1. Flexible wiring not used to replace permanent? (Y/N)
- 2. Flexible wiring not attached to building? (Y/N)
- 3. Flexible wiring not run through windows? (Y/N)
- 4. Flexible wiring not run through doors? (Y/N)
- 5. Flexible wiring not run through walls? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

www.osha.gov/SLTC/electrical/index.html

### Electrical Work

Regulation: 29 CFR 1910.305/306

### Requirements:

- 1. Only electricians work on live electrical? (Y/N)
- 2. All other electrical work done under lockout? (Y/N)
- 3. Electricians expected to work on live electrical have been trained? (Y/N)
- 4. Electricians expected to work on live electrical are given proper lights, ladders, tools, devices and clothing? (Y/N)
- 5. Workers stay 10 ft from power lines? (Y/N)
- 6. Elevated vehicles are kept 10 ft from power lines? (Y/N)

## Compressed Gas Cylinders

Regulation: 29 CFR 1910.101

Requirements:

- Compressed gas cylinders are inspected? (Y/N)
- 2. Compressed gas cylinders have caps on when not in use? (Y/N)?
- 3. Compressed gas cylinders are secured from falling? (Y/N)
- 4. Incompatible compressed gasses are stored separately from each other? (Y/N)
- 5. Compressed gas cylinders are stored upright? (Y/N)
- 6. Proper regulators are used for the compressed gas being dispensed? (Y/N)

## Air Compressors

Regulation: 29 CFR 1910.169

### Requirements:

- Air compressors have a pressure gauge? (Y/N)
- 2. Air compressor tanks have relief valves attached directly to the tank? (Y/N)
- 3. The relief valves are tested regularly? (Y/N)
- 4. Air compressor tanks have a drain at the lowest point that is easily accessible? (Y/N)
- 5. Air compressors tanks are drained regularly? (Y/N) Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_) www.osha.gov/SLTC/compressedgasequipment/index.html

## Welding General Requirements

Regulation: 29 CFR 1910.252

### Requirements:

- 1. Welding is generally performed in a welding area? (Y/N)
- 2. Hot work permit system is used outside that area? (Y/N)
- 3. Fire protection equipment is provided? (Y/N)
- 4. Fire watch is used work outside the welding area? (Y/N)
- 5. Fire watch for 30 minutes after welding is completed? (Y/N)
- 6. Protective equipment for welders and helpers? (Y/N)
- 7. Ventilation for fluorine, zinc, lead, and stainless steel? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

www.osha.gov/SLTC/weldingcuttingbrazing/index.html

## Oxygen/Acetylene Cutting

Regulation: 29 CFR 1910.253

### Requirements:

- Welders are qualified perform this welding? (Y/N)
- Oxygen and acetylene cylinders are stored 20 ft from each other by a  $\frac{1}{2}$ -hour fire resistant wall? (Y/N)
- 3. Oxygen and acetylene cylinders are stored 20 ft from highly combustible materials? (Y/N)
- 4. Torches are fitted with back flow prevention valves? (Y/N)
- 5. Only 4 inches of each foot of hose are taped together? (Y/N)
- 6. Damaged hoses immediately repaired or replaced? (Y/N)

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_)

www.osha.gov/SLTC/weldingcuttingbrazing/index.html

## Arc Welding 1

Regulation: 29 CFR 1910.254

Requirements:

- Welders are qualified to perform arc welding? (Y/N)
- 2. Arc welding machines are maintained in safe operating condition? (Y/N)
- 3. Arc welding machines are grounded? (Y/N)
- 4. Welders trained on the general requirements and arc welding standard? (Y/N)

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_) www.osha.gov/SLTC/weldingcuttingbrazing/index.html

## Arc Welding 2

Regulation: 29 CFR 1910.254

### Requirements:

- 1. Manufacturer operating instructions are followed? (Y/N)
- 2. No cables splices within 10 ft of holders are not used? (Y/N)
- 3. Welders do not coil the cables around their body? (Y/N)
- 4. Welding screens are used to prevent arc flash to adjacent areas? (Y/N)

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_) www.osha.gov/SLTC/weldingcuttingbrazing/index.html

### Hand Tools

Regulation: 29 CFR 1910.242

#### Requirements:

- 1. Compressed air cleaning limited to 30 psi? (Y/N)
- 2. Safety glasses required for air cleaning? (Y/N)
- 3. Tools are kept in good working order? (Y/N)
- 4. Tools are used for their designed purpose? (Y/N)
- 5. Tools are not overloaded (no cheater bars)? (Y/N)
- 6. Jacks marked with load limit and properly maintained? (Y/N)

### **Power Tools 1**

Regulation: 29 CFR 1910.243

#### Requirements:

- Manufacturers guards are kept in place? (Y/N)
- 2. Damaged tools removed until replaced or repaired? (Y/N)
- 3. Grounding pins in place on tools and cords? (Y/N)
- 4. GFCIs used outside or on wet locations? (Y/N)
- 5. Pneumatic tools and hoses are pinned? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

www.osha.gov/SLTC/handpowertools/index.html

### Power Tools 2

Regulation: 29 CFR 1910.243

### Requirements:

- 1. Abrasive wheels inspected and ring tested before use? (Y/N)
- 2. Abrasive wheels exceed speed of the tool? (Y/N)
- 3. Lawnmower auto shut off devices work? (Y/N)
- Lawnmower blades stop within 15 second of deactivation?
   (Y/N)

## Multi and Single Piece Rims 1

Regulation: 29 CFR 1910.177

### Requirements:

- Employees that service split rims are trained on hazards and regulation procedures? (Y/N)
- 2. An inflation cage is provided? (Y/N)
- 3. The inflation cage is inspected daily? (Y/N)
- 4. Damaged cage is removed until repaired or replaced? (Y/N)

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_)

www.osha.gov/pls/oshaweb/owadisp.show\_document?p\_table= STANDARDS&p\_id=9825

## Multi and Single Piece Rims 2

Regulation: 29 CFR 1910.177

#### Requirements:

- 1. A proper air line assembly is provided? (Y/N)
- 2. Wheel components are not interchanged unless allowed by the charts or manual? (Y/N)
- 3. Charts are provided in the service area? (Y/N)
- 4. Damaged components are discarded and replaced? (Y/N)

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_)

www.osha.gov/pls/oshaweb/owadisp.show\_document?p\_table= STANDARDS&p\_id=9825

## Portable Fire Extinguishers

Regulation: 29 CFR 1910.157

### Requirements:

- Extinguishers are placed based on fire hazards? (Y/N)
- 2. Extinguishers are in fixed stations? (Y/N)
- 3. Extinguisher stations are labeled? (Y/N)
- 4. Extinguishers get annual maintenance inspections? (Y/N)
- 5. Extinguishers get monthly visual inspections? (Y/N)
- 6. Employees are trained annually to use or evacuate (if no then must have EAP)? (Y/N)

## General Machine Guarding

Regulation: 29 CFR 1910.212

### Requirements:

- Manufacturer installed guards are in place? (Y/N)
- 2. Points of operation that could cause injury are guarded? (Y/N)
- 3. Hand tools used to place work pieces? (Y/N)
- 4. Fan blades less that 7 feet off the floor are guarded? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

www.osha.gov/SLTC/machineguarding/index.html

## **Equipment Machine Guarding**

Regulation: 29 CFR 1910.212

#### Requirements:

- Fixed machines anchored to prevent movement? (Y/N)
- 2. Fixed machines have e-stop for operator? (Y/N)
- 3. Machines that could injure employees cannot restart after power failure? (Y/N)
- 4. Operating foot pedals have safety covers? (Y/N) Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_) www.osha.gov/SLTC/machineguarding/index.html

### Work Floors

Regulation: 29 CFR 1910.22

### Requirements:

- 1. Workplaces are as clean as the work allows? (Y/N)
- 2. Floors are kept clean? (Y/N)
- 3. Floors do not have holes or other defects? (Y/N)
- 4. Where vehicles are operated walkways are marked? (Y/N)
- 5. Elevated storage areas have load limits posted? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

www.osha.gov/SLTC/walkingworkingsurfaces/index.html

## **Guarding Openings 1**

Regulation: 29 CFR 1910.23

### Requirements:

- 1. Guardrails are 42" high with a mid-rail and toe-board and can support a 200 pound load on the top-rail? (Y/N)
- 2. Where items can be kicked off the guardrail has a 4" toeboard that is  $\frac{1}{2}$ " off the floor? (Y/N)
- Railings are the same as guardrails with the top rail between 30" and 34" off the tread at the riser? (Y/N)
- 4. Open platforms more than 4' off the floor have guardrails on all open sides? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_) www.osha.gov/SLTC/walkingworkingsurfaces/index.html

## **Guarding Openings 2**

Regulation: 29 CFR 1910.23

### Requirements:

- 1. Stairwells with more than 4 risers have railings on all open sides? (Y/N)
- 2. Wall openings with a drop of more than 4' have a guardrail?
- 3. Floor openings have covers provided? (Y/N)
- 4. When a floor opening has the cover removed a guardrail is provided? (Y/N)

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_) www.osha.gov/SLTC/walkingworkingsurfaces/index.html

### Portable Ladders 1

Regulation: 29 CFR 1910.25 and 26

### Requirements:

- Ladders are selected for the weight they will carry? (Y/N)
- 2. Ladder components are undamaged? (Y/N)
- Ladders are inspected frequently and not used if damaged? (Y/N)
- 4. Ladder is immediately inspected if it falls or is dropped? (Y/N)
- 5. Feet of metal ladders have slip resistant bottoms? (Y/N) Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_) www.osha.gov/SLTC/walkingworkingsurfaces/index.html

### Portable Ladders 2

Regulation: 29 CFR 1910.25 and 26

### Requirements:

- Ladders are not placed in front of unlocked doors? (Y/N)
- 2. The feet of extension ladders are placed at  $\frac{1}{4}$  the working length? (Y/N)
- 3. Ladders are not placed on objects to get extra height? (Y/N)
- 4. Top and top step of step ladders not stood on? (Y/N)

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_)

www.osha.gov/SLTC/walkingworkingsurfaces/index.html

### Portable Ladders 3

Regulation: 29 CFR 1910.25 and 26

### Requirements:

- 1. Back bracing of step ladders are not used for climbing? (Y/N)
- To access a surface, extension ladders are extended 3' beyond the landing? (Y/N)
- 3. Extension ladders are secured before climbing? (Y/N)
- 4. Ladders are never used horizontally? (Y/N)

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_) www.osha.gov/SLTC/walkingworkingsurfaces/index.html

### Fall Protection

Regulation: 29 CFR 1910.28 and 1910.140

### Requirements:

- 1. Workers on unprotected platforms more than 4 feet off the next surface use a personal fall arrest system (PFAS)? (Y/N)
- 2. Horizontal PFAS are designed with a safety factor of two by a competent person and can support 5,000 pounds per worker attached? (Y/N)
- 3. All workers are on separate lifelines that are inspected daily by a competent person? (Y/N)
- 4. All snap hooks and carabiners double action? (Y/N)

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_)

https://www.osha.gov/SLTC/fallprotection/index.html

# Slings 1

Regulation: 29 CFR 1910.184

### Requirements:

- 1. Load weights are known so slings are not overloaded? (Y/N)
- Sling load limit markings are legible? (Y/N)
- 3. Slings are inspected daily before used? (Y/N)
- 4. Damaged slings are immediately removed from service? (Y/N)
- 5. Chain slings get a thorough annual inspection by a competent person and records are kept? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_) www.osha.gov/dsg/guidance/slings/index.html

# Slings 2

Regulation: 29 CFR 1910.184

### Requirements:

- Each new, repaired or reconditioned metal sling is proof tested before use? (Y/N)
- 2. Certificates of proof testing are maintained for each metal sling? (Y/N)
- 3. All slings are used within their temperature ratings? (Y/N)
- 4. Repairs to chain, metal mesh, wire rope, and synthetic web slings are done by the manufacturer or equivalent entity? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_) www.osha.gov/dsg/guidance/slings/index.html

### Powered Industrial Trucks (Forklifts) 1

Regulation: 29 CFR 1910.178

### Requirements:

- 1. All operators are trained before use and every three years afterward? (Y/N)
- 2. Lifts are inspected daily? (Y/N)
- 3. Defective trucks immediately removed for repair? (Y/N)
- 4. Lifts are the proper designation for where they are operated and never overloaded? (Y/N)
- 5. If internal combustion engine lifts are used indoors, CO monitoring has been performed? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

www.osha.gov/SLTC/poweredindustrialtrucks/index.html

### Powered Industrial Trucks (Forklifts) 2

Regulation: 29 CFR 1910.178

### Requirements:

- 1. Battery charging areas have spill collection materials and an eyewash and safety shower? (Y/N)
- 2. Smoking is prohibited in battery charging areas? (Y/N)
- 3. High lift trucks have overhead guards? (Y/N)
- 4. Only stable loads are lifted? (Y/N)
- 5. Lifts only altered with manufacturer approval? (Y/N)
- 6. Lifts are kept clean of combustible materials? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_) www.osha.gov/SLTC/poweredindustrialtrucks/index.html

### Excavators 1

Regulation: 29 CFR 1926.602

### Requirements:

- 1. Seatbelts are in sit down equipment with ROPS? (Y/N)
- 2. Wheeled and tracked equipment have ROPS? (Y/N)
- 3. Equipment is operated on proper grades? (Y/N)
- 4. Equipment breaks work? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

www.osha.gov/pls/oshaweb/owadisp.show\_document?p\_table= STANDARDS&p\_id=10769

### Excavators 2

Regulation: 29 CFR 1926.602

### Requirements:

- 1. Equipment that exceeds 15 mph have fenders? (Y/N)
- 2. Equipment has a horn or back up alarm? (Y/N)
- 3. Scissor points on front end loaders the operator can reach are guarded? (Y/N)
- 4. There are no add on steering knobs? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

www.osha.gov/pls/oshaweb/owadisp.show\_document?p\_table= STANDARDS&p\_id=10769

## **Logging Operations 1**

Regulation: 29 CFR 1910.266

### Requirements:

- 1. Training on safe logging practices, operation of tools and equipment, and first aid and CPR? (Y/N)
- Monthly safety meetings are held? (Y/N)
- 3. Protective equipment provided, except logging boots? (Y/N)
- 4. Chaps are used for legs exposed to chainsaw contact? (Y/N)
- 5. First aid kit provided where logging is performed? (Y/N)
- 6. Work stops for dangerous weather conditions? (Y/N)

## **Logging Operations 2**

Regulation: 29 CFR 1910.266

#### Requirements:

- Clear distances are kept when felling trees? (Y/N)
- 2. All hand and power tools are in good working condition? (Y/N)
- Tools are inspected before each use and not used if damaged? (Y/N)
- 4. Chainsaws have all the manufacturer's safety devices in place? (Y/N)
- 5. All chipper covers are in place and not opened until the unit has stopped? (Y/N)
- 6. Chippers are locked out during any servicing or maintenance? (Y/N)

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_) www.osha.gov/SLTC/logging/index.html

## Hazard Fact Sheets

## Health Hazards

These hazards will cause immediate or long term health effects to workers if they are not controlled.

## Workplace Sanitation

Regulation: 29 CFR 1910.141

#### Requirements:

- 1. Sufficient bathrooms and hand soap are provided? (Y/N)
- 2. Hot and cold potable water provided? (Y/N)
- 3. Any non-potable water sources labeled? (Y/N)
- 4. Vermin are controlled? (Y/N)
- 5. Eating areas provided away from chemical use? (Y/N)
- 6. Wash and change rooms provided if needed per OSHA regulation? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

www.osha.gov/pls/oshaweb/owadisp.show\_document?p\_table= \_\_STANDARDS&p\_id=9790

### Asbestos 1

Regulation: 29 CFR 1910.1001

#### Requirements:

- 1. Surfaces are kept free of asbestos debris? (Y/N)
- 2. Break and clutch repair done according to regulation? (Y/N)
- 3. Housekeeping employees are trained annually about the location of ACMs or PACMs? (Y/N)
- 4. ACMs or PACMs are labeled or a listing is posted?
- 5. Asbestos flooring materials are maintained according to the regulation? (Y/N)
- 6. Air monitoring is performed if overexposure possible? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

www.osha.gov/SLTC/asbestos/index.html

### Asbestos 2

Regulation: 12 NYCRR ICR 56

#### Requirements:

- Only licensed employees disturb ACMs or PACMs? (Y/N)
- 2. Only licensed asbestos contractors do asbestos work? (Y/N)
- 3. Notification to NYS ACB and building occupants for small and large projects? (Y/N)
- 4. Project notifications posted for asbestos projects? (Y/N)
- 5. Area air sampling is performed for asbestos projects? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

labor.ny.gov/workerprotection/safetyhealth/dosh\_asbestos.shtm

### Lead 1

Regulation: 29 CFR 1910.1025

Requirements:

- Exposures for lead are monitored? (Y/N)
- 2. Written compliance program developed and implemented? (Y/N)
- 3. Medical monitoring provided? (Y/N)
- 4. Engineering and work practice controls used? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_) www.osha.gov/SLTC/lead/index.html

### Lead 2

Regulation: 29 CFR 1910.1025

#### Requirements:

- Respirators provided for overexposure? (Y/N)
- 2. PPE provided to prevent contact? (Y/N)
- 3. Work surfaces kept free of lead? (Y/N)
- 4. Lunch, wash and change rooms provided? (Y/N)
- 5. Annual lead specific training provided? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

www.osha.gov/SLTC/lead/index.html

#### Hexavalent Chrome 1

Regulation: 29 CFR 1910.1026

Requirements:

- Exposures for hex chrome are monitored? (Y/N)
- 2. Regulated areas established? (Y/N)
- 3. Engineering and work practice controls used? (Y/N)
- 4. Respirators provided for overexposure? (Y/N)

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_)

www.osha.gov/SLTC/hexavalentchromium/index.html

### Hexavalent Chrome 2

Regulation: 29 CFR 1910.1026

Requirements:

- PPE provided to prevent contact? (Y/N)
- 2. Work surfaces kept free of hex chrome? (Y/N)
- 3. Lunch, wash and change rooms provided? (Y/N)
- 4. Hex chrome specific training provided? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

www.osha.gov/SLTC/hexavalentchromium/index.html

## Respirable Crystalline Silica (RSC) 1

Regulation: 29 CFR 1910.1053

#### Requirements:

- Exposures for RSC are monitored? (Y/N)
- 2. Written exposure control plan established? (Y/N)
- Regulated areas established above PEL? (Y/N)
- 4. Hierarchy of controls used? (Y/N)
- 5. Medical monitoring provided if 30 days over the AL? (Y/N)

Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)

https://www.osha.gov/dsg/topics/silicacrystalline/index.html

## Respirable Crystalline Silica (RSC) 2

Regulation: 29 CFR 1910.1053

Requirements:

- Wet methods used? (Y/N)
- 2. Respirators provided for overexposure? (Y/N)
- 3. Work surfaces kept free of RCS? (Y/N)
- 4. Lunch, wash and change rooms provided? (Y/N)
- 5. RCS specific training provided? (Y/N)

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_)

https://www.osha.gov/dsg/topics/silicacrystalline/index.html

### First Aid

Regulation: 29 CFR 1910.151

#### Requirements:

- 1. Have the potential injuries and medical needs of the location been determined? (Y/N)
- Availability of emergency medical services located? (Y/N)
- If emergency medical services are remote have employees been trained to provide first aid and CPR?
- 4. Are medical supplies provided for the kinds of injuries that could occur? (Y/N)
- 5. Are those supplied kept stocked? (Y/N)
  Hazard Rankings: Severity (\_\_\_\_\_) (Probability) (\_\_\_\_\_)
  www.osha.gov/SLTC/medicalfirstaid/index.html

## Eyewash and Safety Showers

Regulation: 29 CFR 1910.151

#### Requirements:

- 1. Have the areas been identified where corrosive chemicals are handles? (Y/N)
- 2. An eyewash and safety shower station is provided for each one? (Y/N)
- 3. Is the path from the work area to the station clear of obstructions? (Y/N)
- 4. Are the stations regularly flushed to remove particles from the water supply? (Y/N)

Hazard Rankings: Severity (\_\_\_\_) (Probability) (\_\_\_\_) www.osha.gov/SLTC/medicalfirstaid/index.html

## Discussion - Next Steps

Does anyone have a hazard they would like to share?

What is the regulation?
What are the "No" answers?

What is the severity ranking?

What is the probability ranking?

What are your suggested solutions?

# Thank you for attending

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