



OTCO Procrastinators Workshop

Safety Training – What is Required?

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SAFETY NOW
NO OTHER WAY

Safety Training – What is Required?

by:

**Gary Timmer
United Water**

Presenter



- **Gary Timmer**
- **Director of Operations**
- **United Water - 1984 to Present**
- **6 Michigan Industrial & Commercial Wastewater Licenses**
- **MWEA 2007 Safety Professional of the Year**



Safety Meeting Tips

- **Hold regular meetings**
- **Focus on key points**
- **Use examples from our own experience**
- **Use actual equipment or tools to illustrate point**
- **Ask workers for their input**
- **Encourage questions**
- **At end, reinforce positive points**

Safety Training – What is Required?



- **This presentation covers most Federal - General Industry Standards.**
- **IT DOES NOT COVER THE CONSTRUCTION STANDARD 1926!**

Outline



The format for this presentation is as follows:

- **Slide Title is the Category (Standard Name);**
- **Next shows the regulation number (Example 1910.120) A.K.A. – 29 CFR 1910.120;**
- **Next is Who needs the training;**
- **Next is When do they need it;**
- **Finally, what Recordkeeping is required (No specific training documentation is required means – You Still Need to Document it).**

Injury and Illness Recordkeeping – Employee Involvement

(1904.35)

- **Who:** Employers must inform each employee of how to report an injury or illness.
- **When:** When initially hired.
- **Recordkeeping:** No specific training documentation is required.



Employee Emergency Plans and Fire Prevention Plans

(1910.38)

- **Who:** All employees who might need to evacuate the facility in an emergency must be trained.
- **When:** When initially hired.
- **Recordkeeping:** Written plan must be kept in the workplace.



“Fire? I’ve been here all break and no one told me about a fire!”

Powered Platforms

(1910.66)

- **Who:** Employees who operate powered platforms.
- **When:** When initially hired.
- **Recordkeeping:** No specific training documentation is required.



Occupational Noise Exposure

(1910.95)

- **Who:** Train all employees who are exposed to noise at or above an 8-hour time-weighted average of 85 decibels.
- **When:** Initial training should precede exposure to noise level, and be repeated annually.
- **Recordkeeping:** No specific training documentation is required.



Flammable and Combustible Liquids

(1910.106)

- **Who: Storage tank station operators and emergency responders for storage tanks in flood-prone areas.**
- **When: Employees must be trained prior to taking part in actual emergency operations.**
- **Recordkeeping: No specific training documentation is required.**



Explosives and Blasting Agents

(1910.109)

- **Who:** Motor vehicle operators responsible for transporting explosives.
- **When:** Prior to transporting any quantity of explosives.
- **Recordkeeping:** Drivers must have a valid motor vehicle operator's license. No other specific training documentation is required.



Storage and Handling of Liquefied Petroleum Gases

(1910.110)

- **Who:** Personnel who install, remove, operate, and maintain Liquefied Petroleum Gas systems, and personnel performing a standard watch service for an area that includes an LP-Gas installation.
- **When:** Prior to or at the time of initial assignment.
- **Recordkeeping:** No specific training documentation is required.



Storage and Handling of Anhydrous Ammonia

(1910.111)

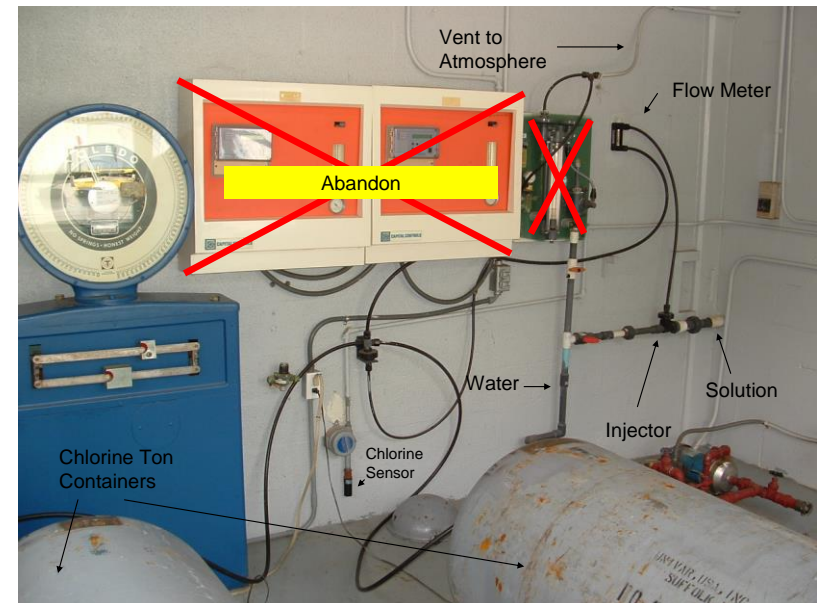
- **Who: Personnel responsible for tank car unloading operations.**
- **When: Prior to or at the time of initial assignment.**
- **Recordkeeping: No specific training documentation is required.**



Process Safety Management of Highly Hazardous Chemicals

(1910.119)

- **Who:** Employees who operate a process. Contract employers must inform contract employees of known potential fire, explosion, or toxic release hazards related to the contractor's work and process.
- **When:** Initial training and refresher training every three years or more often if necessary.
- **Recordkeeping:** Training requires written operating procedures. Employers must record employee identity, date of training, and means used to verify that the employee understood the training.



Hazardous Waste Operations and Emergency Response – HAZWOPER

(1910.120)

○ Who:

- 1. Employees who work at a hazardous waste site and those who are managers or supervisors at a hazardous waste site require training under the standard's paragraph (e).**
- 2. Employees who work at a Treatment, Storage and Disposal (TSD) facility require training under the standard's paragraph (p).**
- 3. Any employees designated to participate in emergency response to hazardous substance releases require training under the standard's paragraph (q).**



Hazardous Waste Operations and Emergency Response – HAZWOPER

(1910.120 cont.)

- **When: OSHA specifies training time requirements for all the various duties involved.**
- **Employees working at a hazardous waste site must be trained before they participate in field activities and annually thereafter (paragraph (e)).**
- **Employees working at a TSD facility must be trained upon initial assignment and annually thereafter (paragraph (p)).**
- **Any employees designated to participate in emergency response to hazardous substance releases must be trained prior to taking part in actual emergency operations, and must receive annual refresher training (paragraph (q)).**



Hazardous Waste Operations and Emergency Response – HAZWOPER

(1910.120 cont.)

- **Recordkeeping: Training certification is required under paragraph (e), general training; paragraph (p), certain operations conducted under RCRA; and paragraph (q), emergency response to hazardous substance releases.**



Personal Protective Equipment

(1910.132)

- **Who:** Each employee required to use personal protective equipment.
- **When:** Before being allowed to do work requiring PPE; retraining as necessary.
- **Recordkeeping:** Certificate with employee name, date and subject of training.



Respiratory Protection

(1910.134)

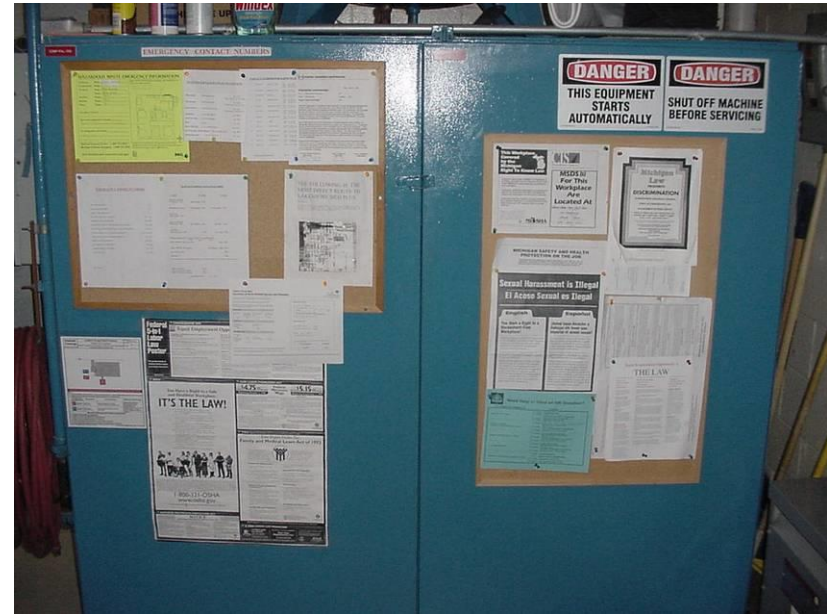
- **Who:** All workers who use or have the potential to use a respirator, must be trained in the proper use and the limitations of respirators.
- **When:** Training must precede the use of a respirator. Retraining is required to be conducted annually, and whenever necessary to ensure safe use.
- **Recordkeeping:** No specific training documentation is required. The employer is required to maintain records of employee medical evaluations and fit testing results.



Specifications for Accident Prevention Signs and Tags

(1910.145)

- **Who:** All employees who may be exposed to areas where warning signs or tags are utilized to communicate hazards.
- **When:** Prior to or at the time of initial assignment to areas where accident prevention signs and tags are used.
- **Recordkeeping:** No specific training documentation is required.



Permit-required Confined Spaces

(1910.146)

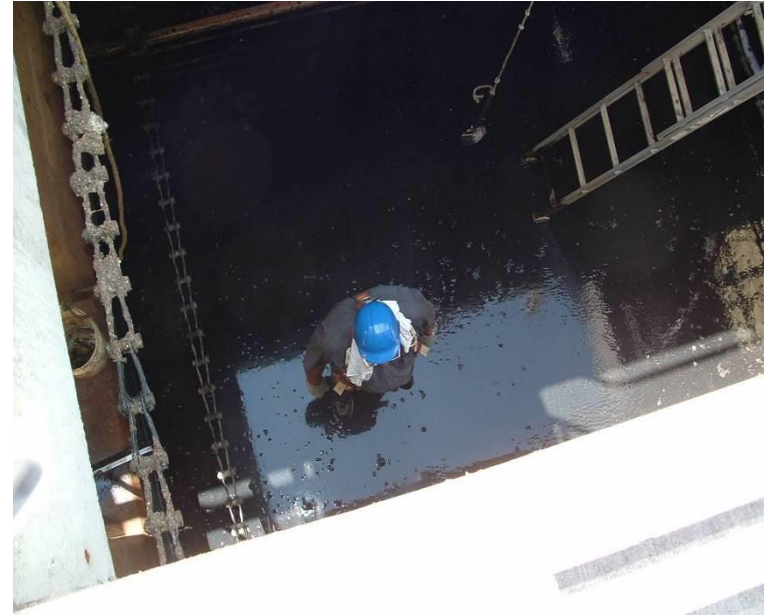
- **Who: Persons designated as having active roles in entry operations.**
- **When: Employers must train affected employees before initial assignment, before a change in duties, whenever there is a change in permit space operations that presents a hazard about which an employee has not previously been trained, or whenever the employer has reason to believe either that there are deviations from the permit space entry procedures required or that the employee's knowledge of these procedures is inadequate. Employee rescue service personnel must make practice rescues at least once every 12 months.**



Permit-required Confined Spaces

(1910.146 cont.)

- **Recordkeeping: Affected supervisors must fill out and sign the permit required for confined space operations, verifying that all appropriate precautions have been taken. Canceled entry permits must be retained for at least one year**



Lockout/Tagout

(1910.147)

- **Who:** Training must be provided to all employees (Affected, Authorized, & Other) whose job duties include performing servicing or maintenance on equipment that must be locked or tagged out for protection.
- **When:** Training must precede the exposure to locked out equipment, or the use of a lockout system. Retraining shall be conducted whenever necessary to reestablish employee proficiency, or to introduce new or revised procedures.



Lockout/Tagout

(1910.147 cont.)

- **Recordkeeping:** The employer shall certify that employee training has been accomplished and is being kept up to date. The certification shall contain each employee's name and dates of training.



Medical Services and First Aid

(1910.151)

- **Who: Designated emergency first aid providers when there is no infirmary, clinic or hospital in near proximity to the workplace that is used for the treatment of all injured employees.**
- **When: Employees must be trained prior to responding to any first aid emergency situations.**
- **Recordkeeping: No specific training documentation is required.**



Portable Fire Extinguishers

(1910.157)

- **Who:** All employees where the employer has provided portable fire extinguishers for employee use in the workplace are to be trained in general principles of fire extinguisher use and associated hazards. All employees who have been designated to use fire fighting equipment as part of an emergency action plan are to be trained to use appropriate equipment.
- **When:** Upon initial assignment and at least annually thereafter.
- **Recordkeeping:** No specific training documentation is required.



Employee Alarm Systems

(1910.165)

- **Who:** Persons responsible for the servicing, maintenance and testing of employee alarm systems. **And, the employer must explain the preferred means of reporting emergencies to each employee.**
- **When:** Prior to or at the time of initial assignment.
- **Recordkeeping:** No specific training documentation is required.



Powered Industrial Trucks

(1910.178)

- **Who:** Anyone operating a powered industrial truck (tow motor, fork lift, etc.) must be trained and evaluated.
- **When:** Training and evaluation must occur before the worker operates the vehicle without direct supervision. Refresher training in relevant topics is needed when the vehicle is operated in an unsafe manner, after any accident or near-miss, after an evaluation shows retraining is needed, upon assignment to a different type of truck, and upon changes in the workplace that affect safe truck operation. An evaluation is required at least every three years.



Powered Industrial Trucks

(1910.178 cont.)

- **Recordkeeping:** The employer must certify that the operator has been trained and evaluated. The certification must include the operator's name, the dates of the training and evaluation, and the name of the trainer/evaluator.



Overhead and Gantry Cranes

(1910.129)

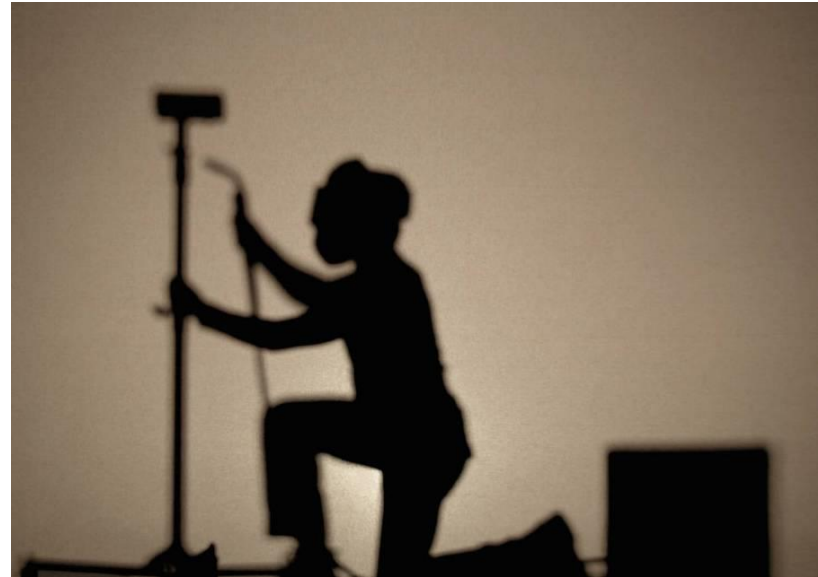
- **Who:** Crane operators of overhead and gantry cranes.
- **When:** Prior to or at the time of initial assignment and as spelled out in the standard. (Many Conditions).
- **Recordkeeping:** Operators must have a permit to operate each crane or hoist and is good for 3 years.



General Requirements: Welding, Cutting, and Brazing

(1910.252)

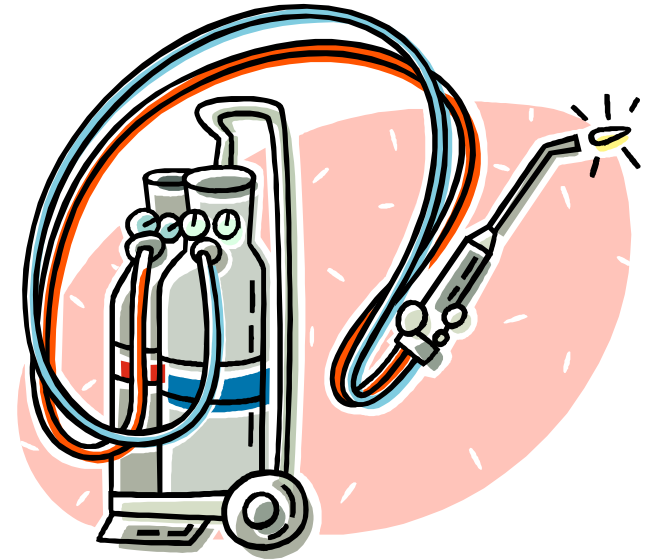
- **Who:** Cutters, welders and their supervisors are required to be trained in the safe operation of the equipment. Also, fire watchers shall be trained in the use of fire extinguishing equipment.
- **When:** Prior to or at the time of initial assignment.
- **Recordkeeping:** No specific training documentation is required.



Oxygen-Fuel Gas Welding and Cutting

(1910.253)

- **Who:** Workers in charge of the oxygen or fuel-gas supply equipment.
- **When:** Trained and judged competent by their employers before being left in charge.
- **Recordkeeping:** No specific training documentation is required.



Arc Welding and Cutting

(1910.254)

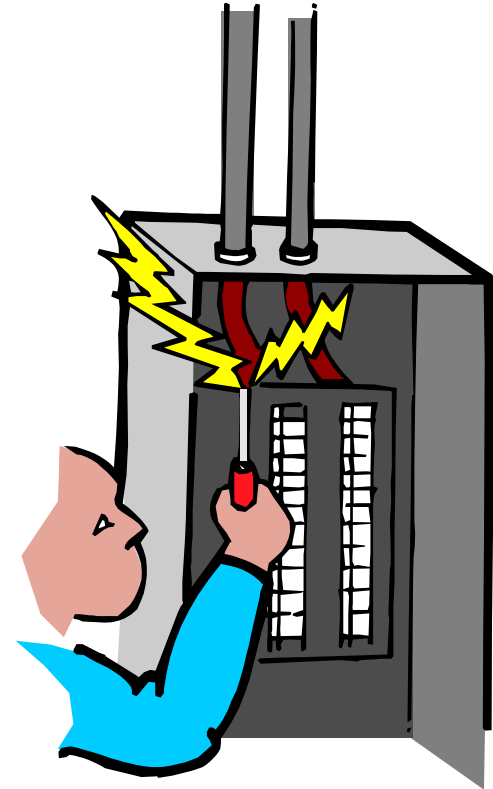
- **Who:** Employees designated to operate arc welding equipment.
- **When:** Prior to or at the time of initial assignment.
- **Recordkeeping:** No specific training documentation is required.



Electrical Training

(1910.332)

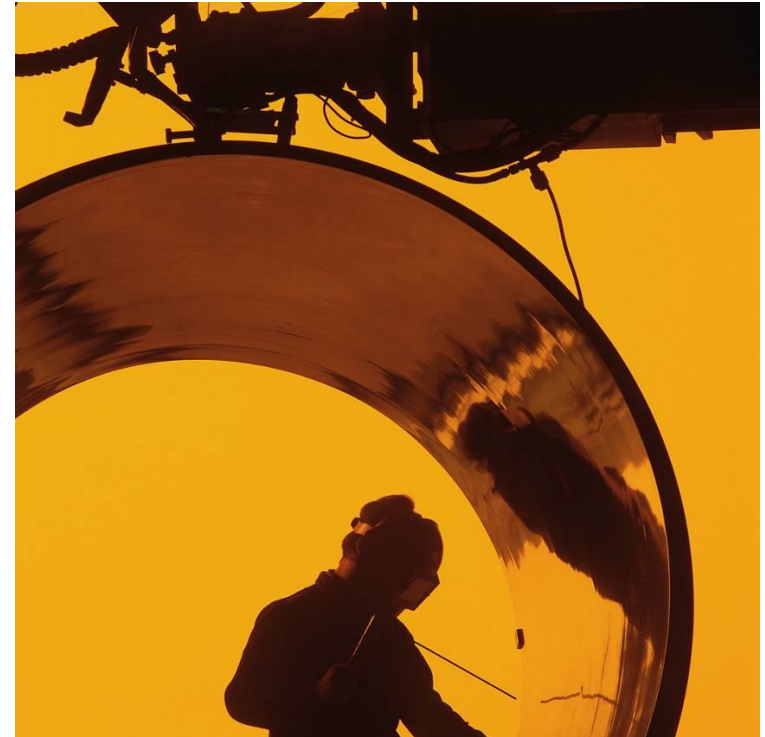
- **Who:** All employees must be trained who face a risk of electric shock, and/or who work on or near exposed energized parts.
- **When:** Training must precede exposure, and can be of the classroom or on- the-job type.
- **Recordkeeping:** No specific training documentation is required.



Asbestos

(1910.1001)

- **Who:** Training must be provided to all employees who are exposed to airborne concentrations of asbestos at or above the action level.
- **When:** Training shall be provided prior to or at the time of initial assignment and at least annually thereafter.
- **Recordkeeping:** No specific training documentation is required.



Access to Employee Exposure and Medical Records

(1910.1020)

- **Who: All employees.**
- **When: At the time of hire, and at least annually thereafter.**
- **Recordkeeping: No specific training documentation is required. But, the employer is required to make copies of 1910.1020 and its appendices readily available.**



Bloodborne Pathogens

(1910.1030)

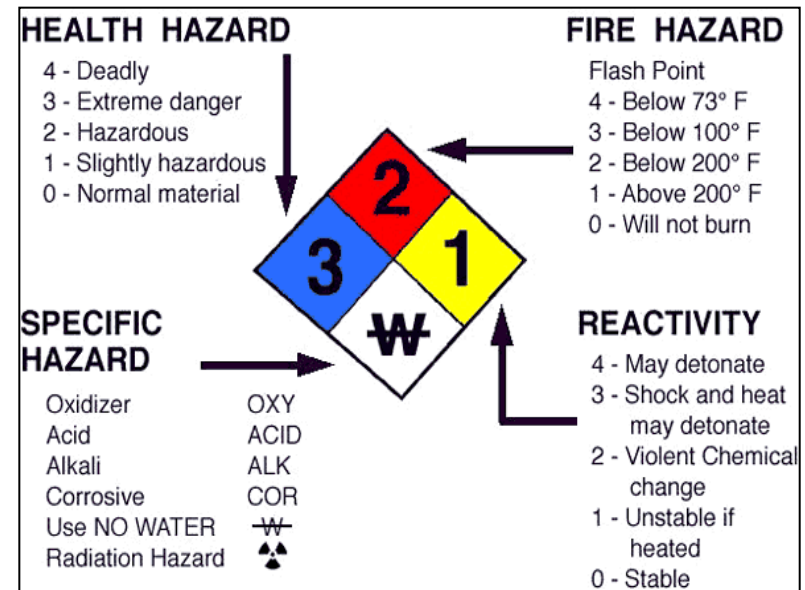
- **Who:** All employees with occupational exposure to bloodborne pathogens must be trained. This might include first aid responders, depending upon your system.
- **When:** Employees must be trained prior to initial exposure to bloodborne pathogens. There is no specified length of training time. Annual retraining is required.
- **Recordkeeping:** Very specific training records must be maintained. Information must include dates of training, contents of training sessions, names and qualifications of trainers, names and job titles of those trained. Records must be retained for three years.



Hazard Communication

(1910.1200)

- **Who:** Train all workers who have an exposure or a potential for exposure to hazardous chemicals.
- **When:** Employees must be trained prior to initial exposure, no specified length of training time, no retraining specified (but recommended).
- **Recordkeeping:** No specific training documentation is required.



Hazard Communication - Global Harmonized System



- **In 2003, the United Nations (UN) adopted the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). The GHS includes criteria for the classification of health, physical and environmental hazards, as well as specifying what information should be included on labels of hazardous chemicals as well as safety data sheets. The United States was an active participant in the development of the GHS, and is a member of the UN bodies established to maintain and coordinate implementation of the system.**
- **When - The modified HCS required that workers receive information and training by December 1, 2013 to facilitate recognition and understanding of the new labels and safety data sheets.**

Occupational Exposure to Hazardous Chemicals in Laboratories

(1910.1450)

- **Who:** Employees of laboratory facilities where hazardous chemicals, or those which cause health problems in exposed employees, are used.
- **When:** At the time of initial assignment to a work area where hazardous chemicals are present, and before assignment to new exposure situations. Refresher training as determined by employer.
- **Recordkeeping:** No specific training documentation is required.



Quote from John Maxwell

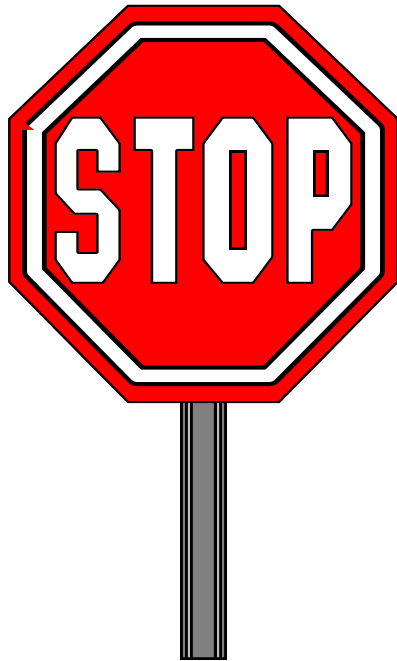
The only thing worse than training people and having them leave is, Not training them and KEEPING them!



Questions?



Thank You!



**This Completes "Safety Training –
What is Required?"**