



## **SECTION 32**

# **PROCESS SAFETY MANAGEMENT OVERVIEW**



**1. REGULATORY STANDARD:** OSHA - 29 CFR 1910.119

- 2. General:** Process safety management is the proactive identification, evaluation, and mitigation or prevention of chemical releases that could occur as a result of failures in process, procedures, or equipment. The major objective of process safety management of highly hazardous chemicals is to prevent unwanted releases of hazardous chemicals especially into locations which could expose our employees and or community to serious hazards

Unexpected releases of toxic, reactive, or flammable liquids and gases in processes involving highly hazardous chemicals have occurred numerous times in industry in recent years. Incidents occur in various industries that use highly hazardous chemicals which meet the criteria for highly hazardous chemicals. The Occupational Safety and Health Administration (OSHA) estimates that losses can be reduced tremendously if proper safety precautions and preparation at job sites are initiated.

The host employer shall assure that each contract employee is instructed in the known potential fire, explosion or toxic release hazards related to his/her job and the process and the applicable provisions of the emergency action plan.

- 3. Training:** Whenever Maul Electric, Inc employees perform work in and around processes that involve highly hazardous chemicals, they will need to be provided with site specific training so that they can accomplish the desired job tasks without compromising the safety and health of employees.

This training will be provided by the client prior to Maul Electric, Inc employees working on site and will include provisions of the client's site-specific emergency action plan. MSDS Sheets for all highly hazardous chemicals will be made available to employees and be kept on site for reference.

Maul Electric, Inc will document that each employee has received & understood the required training. Maul Electric, Inc shall prepare a record which contains the identity of the contract employee, the date of training, and the means used to verify that the employee understood the training.

Maul Electric, Inc will only use qualified individuals that have been trained in proper safe work practices to do process safety work.

- 4. Permitting system:** Maul Electric, Inc employees will abide follow safety work practices during operations such as lockout/tagout, confined space entry, opening process equipment, or piping, and controls over entrance to facility.

A permit system or work authorization system for these activities may be instituted. The use of a work authorization system keeps a client informed of Maul Electric, Inc employee activities, and as a benefit the client will have better coordination and more management control over the work being performed in the process area.



**Maul Electric, Inc employees will not perform hot work until a hot work permit is obtained.** The permit shall document that provisions of CFR 1910.252(a) have been met.

- 5. Incident near miss investigation:** Employees must immediately report all accidents, injuries, and near misses. An incident investigation must be initiated within 48 hours. **See Section 2 for Incident Investigation Protocols.** All Results from the investigation and any corrective actions taken will be maintained for a period of at least 5 years
- 6. Notification:** Maul Electric, Inc will inform the client of any unique hazards presented by their work, or of any hazards found by Maul Electric, Inc work.
- 7. Trade Secrets:** All Maul Electric, Inc employees must respect the confidentiality of trade secret information when the process safety information is released to them.