

PROCESS SAFETY MANAGEMENT
OF
HIGHLY HAZARDOUS CHEMICALS; EXPLOSIVES AND BLASTING AGENTS
29 CFR 1910.119
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HANDOUT
COURSE NAME - PROCESS SAFETY MANAGEMENT (PSM) INITIAL AWARENESS
TRAINING.
COURSE CODE - PVX002

Questions and Answers:

1. What is the purpose of OSHA'S Process Safety Management Regulation?

To help protect employees and near by communities by preventing or minimizing the release of highly hazardous chemicals.

2. Which facilities must comply with the Process Safety Management Regulation?

Any facility which uses one or more toxic or reactive chemicals on OSHA'S Appendix A list in amounts equal to exceeding threshold quantities, produces explosives or pyrotechnics, or uses 10,000 pounds or more of flammable liquids or gases.

3. How can you determine if the Process Safety Management regulation is applicable?

Obtain a copy of the regulation and compare the chemicals in Appendix A to the chemicals in your inventory.

4. Explain Employee Participation.

A company must have a written plan of action. Appropriate employees must be informed and involved and have access to information.

5. Explain Process Safety Information.

A company must have written information about chemicals, processes, technology, and equipment which is current, complete, and accurate.

6. Explain Process Hazard Analysis.

A PHA is an organized, systematic effort to identify the hazard potential of any process which uses or creates hazardous chemicals. A team, which must include a person knowledgeable on the process and a person knowledgeable about the analysis method being used, conducts the PHA.

7. Explain Operating Procedures.

Written procedures are required for all processes involving the chemicals in Appendix A. or flammable liquid or gases exceeding 10,000 lb. The procedures must be available to appropriate employees. The procedures must be updated and certified as accurate at least annually.

8. Explain Training.

Provide initial training and refresher training every three years. Evaluate effectiveness of training and document all training.

9. Explain Contractors.

Screen Contractors. Contractors and employers each have a responsibility for safety.

10. Explain Pre-Startup Safety Review.

A PSSR is required as a check that a new unit or modification to a unit is ready for safe start-up.

11. Explain Mechanical Integrity.

Prevention of equipment failure. It requires written procedures, training, testing and inspections.

12. Explain Hot-Work Permit.

This element requires a permit issuance that is kept on file until the work is completed.

13. Explain Management of Change.

Develop written procedures, update all process safety information including P &ID's and operating procedures, and retrain employees.

14. Explain Incident Investigation.

Use a team and begin investigation within 48 hours of an incident. Prepare a report and address all the recommendations.

15. Explain Emergency Preparedness and Response.

A written plan for meeting all emergencies is required.

16. Explain Compliance Audits.

A Compliance audit is required every 3 years. A written report is prepared. Management response is regard on all findings.

17. How often is refresher training required.?

Our current procedure states that refresher training will be held at least every (3) years, and more often if necessary.

18. What are the highly hazardous chemicals in this plant?

VCM, Propane, Chlorine.