

Enviro: Process Safety Management Procedures

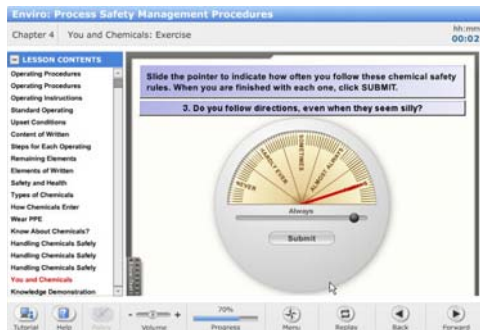
This course is designed to help employees, contractors, and contract employees who work at industrial process plants to recognize the potential health and safety implications associated with their jobs. This course is intended to educate the trainee in order to help prevent or minimize the consequences of a catastrophic release of toxic, reactive, flammable, or explosive Highly Hazardous Chemicals (HHC) from a process.



Objectives:

- Identify the parts of a definition of a process involving HHCs.
- Identify workplace chemical and process hazards, equipment used in the processes, and technology used in the processes.
- Describe the steps in performing a workplace hazard assessment, including, as appropriate, identification of potential sources of accidental releases, identification of any previous release within the facility that had a potential for catastrophic consequences in the workplace, estimation of workplace effects of a range of releases, and estimation of the health and safety effects of such a range on employees.
- Describe the process of participation in the development of hazard assessments and chemical accident prevention plans and how to access these and other required records.
- Identify your role in responding to workplace hazard assessment findings, addressing prevention, mitigation, and emergency responses.
- Identify your role in periodical reviews of the workplace hazard assessment and response system.
- Describe the steps in developing and implementing written operating procedures for the chemical processes, including procedures for each operating phase, operating limitations, and safety and health considerations.
- Describe the steps in responding to emergencies.
- Identify the parts of a quality assurance program to ensure that initial process-related equipment, maintenance materials, and spare parts are fabricated and installed consistent with design specifications.
- Describe the steps in inspecting, testing, and maintaining critical process-related equipment to ensure ongoing mechanical integrity.
- Describe the steps in a pre-startup safety review of newly installed or modified equipment.
- Describe the steps in participating in investigating incidents resulting or having the potential to result in a major accident.

Audience: Personnel working in industrial process plants



Primary Regulations: OSHA 29 CFR 1910.119, Process Safety Management of Highly Hazardous Chemicals. OSHA 29 CFR 1910.119, Appendix A, List of Highly Hazardous Chemicals, Toxics, and Reactives OSHA Directives CPL 2-2.45A CH-1. Process Safety Management of Highly Hazardous Chemicals – Compliance Guidelines and Enforcement Procedures (1994, September 13). CPL 2.94. OSHA Response to Significant Events of Potentially Catastrophic Consequences (1991, July 22).

Duration: 60-90 minutes



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