

HSE-211 CONTINGENCY PLANNING / INCIDENT MANAGEMENT

4 Credit Hours

Prerequisite: HSE-100 Occupational Safety and HSE-200 Waste and Remediation

This course provides instruction on how to develop an emergency response contingency plan for a facility or community. Students learn that the steps for emergency preparedness include analyzing the hazards, writing and implementing the contingency plans, training employees for an emergency, and evaluating the effectiveness of the contingency plan. Students will develop and implement the "Incident Management System" through both practical and theoretical case scenarios.

Course Objectives

1. Conduct a hazards analysis for a hypothetical facility.
2. Develop a facility contingency plan that complies with 29 CFR 1910.120(q)(2) and/or develop a community contingency plan that complies with SARA Title III; in the contingency planning, incorporate relevant National Response Team Planning Elements.
3. Describe a method of auditing a contingency (emergency response) plan.
4. Given employer hazardous materials data, identify applicable regulations and recommend compliance strategies to meet the requirements of Title III of the "Superfund Amendments and Reauthorization Act of 1986."
5. Identify and apply the Incident Command System and hazard risk analysis in order to make effective decisions.
6. Identify and apply the role of the On-Scene Incident Commander in managing the HAZMAT team and in coordinating information and resources.
7. Apply hazard and risk analysis in order to make effective site management and control decisions.
8. Recognize the functions, advantages, limitations, maintenance and fit testing of personal protective equipment (PPE); additionally, given HAZMAT incidents, apply 29CFR 1910.134 and 1910.120 Appendix B for the proper selection and use of PPE.
9. Design standard operating procedures (SOP's) for on-scene mitigation, including product control, confinement and containment.

10. Determine proper decontamination and termination procedures.