

CHAPTER 12
HAZARDOUS MATERIALS SPILLS/WASTE OPERATIONS

1. GENERAL

- a. When workers respond to hazardous substance or hazardous waste emergencies or when they work with hazardous waste during storage, treatment and disposal operations, they may be exposed to chemical, physical, biological and/or safety hazards. Operations involving hazardous substance or hazardous waste emergencies or hazardous waste storage, treatment or disposal are typically managed by the installation or command environmental manager, site safety and health supervisor, or incident commander.
- b. Most operations involving responses to hazardous substance or hazardous waste emergencies and operations involving hazardous waste storage, treatment and disposal are typically following processes outlined by a written Emergency Response Plan, written Safety and Health Program or Site-specific Safety and Health Plan that was prepared in accordance with requirements specified in References (a) and/or (b).

2. INDUSTRIAL HYGIENE SUPPORT

- a. The industrial hygienist's primary role in operations involving responses to hazardous substance or hazardous waste emergencies and operations involving hazardous waste storage, treatment and disposal is to provide technical assistance, upon request, to the installation or command environmental manager, site safety and health supervisor, or incident commander.
- b. Standard industrial hygiene work practices, as outline in Reference (c) and other Chapters in this Manual, are used to provide the requested industrial hygiene support, which typically includes:
 - (1) Performing preliminary safety and health evaluation of the Emergency Response Plan, Safety and Health Program or Site-specific Health Plan.
 - (2) Conducting workplace hazard evaluations and health risk assessments
 - (3) Determining the need for engineering controls.
 - (4) Identifying appropriate personal protective equipment (PPE).
 - (5) Recommending work practice controls.
 - (6) Assisting with specific Safety and Health or Hazard Communication (see Reference (e)) training.
 - (7) Performing environmental and/or personnel monitoring to evaluate the effectiveness of the engineering controls, PPE and recommended work practices.
 - (8) Performing inspections to determine the effectiveness of the Emergency Response Plan, Safety and Health Program or Site-specific Safety and Health Plan.

3. **TRAINING**

- a. If the requested industrial hygiene support involves assisting with, or providing, training, then the industrial hygienist must be certified as a trainer following the certification requirements specified in References (a), (b) and (d).
- b. If the requested industrial hygiene support involves physically entering a site where hazardous substance or hazardous waste emergency operations or hazardous waste storage, treatment and disposal operations are taking place, then the industrial hygienist must have received the appropriate training, including Hazardous Waste Operator (HAZWOPER) training, as specified in References (a), (b) and (d).

4. **REFERENCES**

- a. Title 29 of the Code of Federal Regulations Section 1910.120 (29 CFR 1910.120) - Hazardous Waste Operations and Emergency Response.
- b. Title 29 of the Code of Federal Regulations Section 1926.65 (29 CFR 1926.65) - Hazardous Waste Operations and Emergency Response.
- c. Chief of Naval Operations Instruction 5100.23 Series (OPNAV INST 5100.23 Series) – Navy Safety and Occupational Health (SOH) Program Manual.
- d. Chief of Naval Operations Instruction 5090.1 Series (OPNAV INST 5090.1 Series) – Environmental Readiness Program Manual.
- e. Title 29 of the Code of Federal Regulations Section 1910.1200 (29 CFR 1910.1200) – Hazard Communication.