

## Hazardous Waste Worker Refresher Syllabus

**Time:** 8 hours

**Maximum Class Size:** 20

**Prerequisites:** 40-hour Hazardous Waste Worker or 80-hour Hazardous Waste Worker

### Course Description:

This eight-hour Hazardous Waste Worker Refresher is intended to be an intensive review for those who have already completed the 40-hour or 80-hour Hazardous Waste Worker course and wish to extend their annual certification.

### Goals/Objectives/Student Learning Outcomes:

- List the three general categories of hazardous waste sites.
- Define the following terms and give examples of each:
  - Corrosives
  - Biological hazards
  - Physical hazards
  - Safety hazards
- List five safety hazards found on hazardous waste sites.
- List and explain the three primary routes of entry for chemicals into the body.
- Explain the difference between a prompt health effect and a delayed health effect and give an example of each.
- List the six physical warning signs of chemical exposure.
- List and describe the signs and symptoms of heat stress.
- Describe how to properly self-monitor for heat stress and evaluate the results.
- State the assigned protection factor for each type of respirator.
- Identify the four levels of protective ensembles.
- Identify the equipment needed for decontamination of workers in Level A, B, and C protective ensembles.
- Give a map and a prevailing wind pattern, identify the best location for the decontamination area.
- List and explain the ten topics of information that are required in a SSHP.
- Create a mock SSHP using a provided scenario.
- Describe the appropriate response and handling procedures for the following hazards:
  - Radioactive materials
  - Explosive or shock-sensitive drums
  - Bulging drums
  - Laboratory packs
  - Leaking, open, or deteriorated drums

## Hazardous Waste Worker Refresher Syllabus

- Buried drums
- Define the term 'characterization' and explain how and why it is done on a hazardous waste site.
- List and explain the three safe work practices that should be used when storing hazardous materials.
- List at least five important reasons for conducting workplace monitoring.
- Explain the differences, advantages, and disadvantages of direct-reading instruments (DRIs) versus laboratory analysis of workplace samples.
- List and explain the appropriate responses if a personal monitoring device or sampling pump fails.
- Define a confined space, giving three examples.
- Describe four characteristics of a permit-required confined space.
- List atmospheric and physical hazards in a confined space.

### Standards Addressed:

OSHA Hazard Communication Standard:

29 CFR 1910.1200

### Classroom Rules and Procedures

- All classes begin at 6:30 am and end at 3:00 pm
- Upon entering classroom, all participants must sign in and be seated by 6:30 am
- Class will consist of a combination of lecture, video, demonstration, coached group exercises, individual exercises and assessment.
- Students are required to report to class ready to work and maintain the provided PPE

### Textbooks/Readings/Materials

- LIUNA: *Hazardous Waste Worker Refresher IG*
- LIUNA: *Hazardous Waste Worker PG*
- Hazardous Waste Worker Refresher Student Workbook
- LIUNA: Hazardous Waste Worker Refresher PowerPoint

### Tools/Equipment/Other Materials

- Computer
- LCD Projector
- Flipchart/markers
- Whiteboard/expo markers
- Highlighters

## Hazardous Waste Worker Refresher Syllabus

### Personal Protective Equipment

- 20 pairs of gloves
- 20 pairs of safety glasses
- 20 pairs of ear plugs
- 20 hard hats

### Course Requirements

To receive credit for the course, participants must:

- Be present for full eight hours
- Participate in all classroom exercises
- Pass a written exam

### Course Policies

- Participants must be on-time and ready to work.
- Participants must return from breaks on-time.
- Participants must participate in each exercise and assignment
- Participants who are on "light duty" are not allowed to take this course due to the physically demanding requirements.

### Assessment and Grading

Participants will be assessed on the following:

- All written exams must be passed with a score of 80% or above.
- All hands-on activities and exercises are graded on performance and participation. They are pass/fail and must be passed with a score of 80% or above.

### Safety

Failure to maintain and use PPE may result in dismissal from the course.