

# Course Syllabus

## 8 Hour RCRA OSHA Hazwoper Refresher

29 CFR 1910.120 / 40 CFR 265.16

Effective Date

18-Jan-21

Course Code

HWR

### Instructions

- Open and view PDF Presentation in "Required Materials" folder
- Review PDF course work in "Required Materials" folder
- Open hyperlink to applicable regulation and review content headings
- Review available resources in "Supplemental Materials" folder
- **Review** ExperiDoc Performance Evaluation
- Complete course objective summative examinations
- Complete Training Experience Documenter, if applicable, to meet time requirements

### Learning Objectives

- Understand the scope of the the Hazwoper standard
- Identify personnel and alternates responsible for site safety and health
- Discuss training associated with different work functions under Hazwoper
- Understand limitations and uses of personal protective equipment
- Understand employer responsibilities for hazard prevention and control
- Describe medical surveillance requirements
- Identify key componenet of the Resourse Conservation and Recovery Act
- Explain hazwoper program elements
- Describe the components of the Site Safety and Health program
- Meet regulatory training requirements
- Demonstrate ability to access and refer to applicable regulations.

### Instructional Strategies

### Time

- |  |             |
|--|-------------|
| ● Viewing of PDF Presentation(s)                 | ● 3.0 Hours |
| ● Viewing of PDF Resources                       | ● 1.0 Hours |
| ● Review of Applicable Regulations               | ● 1.0 Hours |
| ● <b>Review</b> ExperiDoc Performance Evaluation | ● 1.0 Hours |
| ● ExperiDoc Examination Delivery                 | ● 2.0 Hours |

### Course Topics

- |                             |                            |                                |                         |
|-----------------------------|----------------------------|--------------------------------|-------------------------|
| ● Introduction to Hazwoper  | ● Air Monitoring           | ● Respiratory Protection       | ● Site Characterization |
| ● Hazard Communication      | ● Cold & Heat Stress       | ● Decontamination              | ● DOT ERG               |
| ● Chemical Hazards          | ● Radiation Safety         | ● Exits & Emergency Planning   |                         |
| ● Basic Toxicology & Health | ● PPE Equipment & Clothing | ● Other Safety & Health Issues |                         |

### Evaluation Methods

- 14 Course topics to include pdf presentations, resources, and regulations
- 10 Question objective summative multiple choice examination per course topic
- Performance, demonstration, simulation, explanation, or observation of key skills.

Total Time

8.0 Hours

# Performance Evaluation Form

## 8 Hour RCRA OSHA Hazwoper Refresher

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Effective Date 18-Jan-21

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**Perform, Explain, Simulate, Demonstrate, or Observe the following:**

### Overview:

The Performance Evaluation is designed as one method to evaluate job skills and safe work habits of the course participant. This helps foster the participants psychomotor skills, as well as their cognitive knowledge levels, thus providing for a more thorough learning experience. The **Evaluator** must meet certain qualifications such as possessing technical knowledge/skills related to evaluation, have equivalent certifications, related experiences, performed self study, or have applicable academic credentials. The evaluation **CAN BE** self certified if student possesses any of the evaluator qualifications for the topic matter. If the course or exam is proctored or supervised, please sign as a course **Moderator**.

### Instructions:

1. Student should complete name and Student ID # identifying him or herself on the Performance Evaluation.
2. Student shall perform, explain, simulate, demonstrate, or observe the following presented skills.
3. Evaluator should observe/evaluate completion of skills as part of an assessment. (see evaluator credentials)
4. Evaluator should possess technical knowledge/skills related to evaluation, have equivalent certifications/experiences, completed self study, or have applicable academic credentials.
5. Upon completion of each activity the evaluator should sign and date in the box next to the skill assessed.
6. Student should maintain the ExperiDoc Performance Evaluation with their certification.
7. Completion of the ExperiDoc Performance Evaluation should be done prior to taking the ExperiDoc objective summative examination in the Certification Portal.

## Experidoc Performance Evaluation

Perform, Explain, Simulate, Demonstrate, or Observe the following:

Student Name (Print)	Student ID # (DL# or last 4 of SSN)
Criteria	Evaluator Signature/Date
Explain scope and application of Hazwoper Standard	
Discuss and review the RCRA regulations	
Review facility safety and health program	
Explain the five levels of emergency response	
Describe training requirements under the hazwoper standard	
Locate the Hazwoper Standard in the OSHA regulations	
<b>EMERGENCY PLANNING &amp; FIRE SAFETY</b>	Evaluator Signature/Date
Review Emergency Response Plan, escape routes, and assembly points	
Locate Fire extinguishers, identify type, and check inspection date	
Demonstrate knowledge of "PASS" technique for extinguishing fires	
<b>CHEMICAL SAFETY</b>	Evaluator Signature/Date
Locate the SDS's, "Safety Data Sheets" for facility Chemicals	
Identify locations of eyewash stations and/or emergency showers	
Demonstrate ability to locate "Safety Data Sheet" for a chemical on hand	
<b>HAZARD RECOGNITION/SITE CHARACTERIZATION</b>	Evaluator Signature/Date
Identify hazard signs, labels, placards from a distance (NFPA, DOT, OSHA)	
Identify types and conditions of waste containers or tanks on site	
Identify areas of stressed vegetation or soil staining on example photographs	

Review site hydrological features such as streams, sinkholes, and drainage	
Identify other potential worksite hazards (physical, chemical, or biological)	
Determine site zone layout based on above conditions	
<b>Use of Air Monitoring Instruments</b>	<b>Evaluator Signature/Date</b>
Demonstrate operation and/or calibration of a 4-gas meter per manufacturer	
Demonstrate operation and use of colorimetric tubes per manufacturer	
Interpret readings from a 4-gas meter or results from colorimetric tubes	
Discuss control methods for exposures exceeding established limits	
<b>USE OF WRITTEN RESOURCES</b>	<b>Evaluator Signature/Date</b>
Demonstrate the use of the NIOSH Pocket Guide to Chemical Hazards	
Demonstrate the use of the DOT Emergency Response Guidebook	
Given a product name, locate and interpret the Safety Data Sheet, SDS	
Given a 4 digit UN#, identify a chemical name and its hazards	
<b>PERSONAL PROTECTIVE EQUIPMENT</b>	<b>Evaluator Signature/Date</b>
Discuss why PPE is one of the last resorts for hazard control	
Explain uses and limitations of PPE for head, eye, hand, and foot protection	
Demonstrate the proper donning & doffing of head, eye, hand, and foot PPE	
Properly inspect, clean, and disinfect PPE per manufacturer guidelines	
<b>USE OF RESPIRATORY PROTECTION</b>	<b>Evaluator Signature/Date</b>
Inspect a supplied air and an air purifying respirator for missing parts/defects	
Explain the uses and limitations of respirators as PPE	
Properly don and doff a half mask and full face air purifying respirator	

Properly don and doff a supplied air respirator SCBA or Type "C" system	
Discuss cleaning and disinfection procedures for respiratory protection	
Describe the difference between quantitative and qualitative fit testing	
Discuss elements of a respirator training program and frequency of training	
On a SCBA, check cylinder pressure and ensure alarm functionality	
<b>LEVEL C PROTECTION</b>	Evaluator Signature/Date
Choose appropriate clothing to wear under the suit	
Inspect suit for damage prior to donning	
Taped sleeves to gloves and pant legs to boots with end tabs	
Wore respirator straps inside of the suit hood	
Perform physical activity to gain familiarity with and assess comfort of PPE	
Perform decontamination, removed boots, and then removed suit, inside-out	
Removed respirator by loosening straps and pulling up and over head	
Removed and peeled off gloves together and inside-out	
<b>LEVEL B PROTECTION</b>	Evaluator Signature/Date
Chose appropriate clothing to wear under the suit	
Inspected suit for damage before donning	
Donned inner gloves	
Taped sleeves to outer gloves, and pant legs to boots	
Wore respirator straps inside of hood	
Perform physical activity to gain familiarity with and assess comfort of PPE	
Performed decontamination	

Removed boots, then outer gloves inside-out	
Removed suit inside-out	
Loosened straps and doffed SAR respirator by pulling it up and over the head	
Peeled inner gloves off together, inside-out	
<b>LEVEL A PROTECTION</b>	<b>Evaluator Signature/Date</b>
Chose appropriate clothing to wear under the suit	
Inspected suit for damage before donning	
Donned inner and outer gloves	
Inspected and donned SCBA or Type "C" supplied air respirator	
Taped pant legs to boots	
Donned mask, turned on air, donned hardhat, and zipped up suit	
Performed physical activity to gain familiarity/assess comfort level with PPE	
Performed decontamination	
Removed boots and then removed outer gloves	
Removed suit inside out	
Loosened straps and doffed SAR respirator by pulling it up and over the head	
Peeled inner gloves off together, inside-out	
<b>DRUM HANDLING</b>	<b>Evaluator Signature/Date</b>
Inspected drum from a distance, upwind, and noted any labels or markings	
Inspect for leakage, bulging, punctures, corrosion, or crystalline materials	
Complete a drum log sheet	
Opened drum with a non-sparking tool	

Used sampling devices in accordance with manufacturers instructions	
Resealed or otherwise stabilized the container/drum	
Completed Chain-of-Custody form if applicable	
If an overpack was used, prepare labels for outer container	
If more than one drum, separate incompatible materials into staging areas	
Completed hazardous waste manifest form and land ban notification	
<b>SPILL RESPONSE SCENARIO - Given a release:</b>	<b>Evaluator Signature/Date</b>
Stop the spill <b><u>SAFELY</u></b> , if possible	
Implemented Emergency Action Plan and warned others	
Isolated the area and secured ventilation, if applicable	
Minimized exposure through engineering controls, work practices, & PPE	
Established site control and decontamination station	
Stopped the spill, mitigated incident, remediated the release with PPE	
Decontaminate equipment, tools, and personnel.	
Conduct post response critique of response activities	

**Evaluator Credentials for Performance Evaluation**

Instructions: The Performance Evaluator should possess related academic credentials, specific technical knowledge, hold equivalent certification, or have related course experiences. The Performance Evaluator is allowed to be course participant and self certify as long as one additional qualification is met.

Evaluator #1 Name (print)	Evaluator #1 Signature

Check all that apply:

<input type="checkbox"/> Self Certification (Must meet additional qualification)	<input type="checkbox"/> Self Study or Academic Credentials
<input type="checkbox"/> Related Technical Knowledge or Skills	<input type="checkbox"/> Equivalent Certification/Experiences

Evaluator #2 Name (print)	Evaluator #2 Signature

Check all that apply:

<input type="checkbox"/> Self Certification (Must meet additional qualification)	<input type="checkbox"/> Self Study or Academic Credentials
<input type="checkbox"/> Related Technical Knowledge or Skills	<input type="checkbox"/> Equivalent Certification/Experiences

Evaluator #3 Name (print)	Evaluator #3 Signature

Check all that apply:

<input type="checkbox"/> Self Certification (Must meet additional qualification)	<input type="checkbox"/> Self Study or Academic Credentials
<input type="checkbox"/> Related Technical Knowledge or Skills	<input type="checkbox"/> Equivalent Certification/Experiences

**Course Moderator/ Examination Proctor (If applicable)**

Instructions: The Course Moderator/Examination Proctor will moderate the delivery of course, assist in navigating the course work, will discuss and relate course objectives to the work environment, and supervise and guide the participants' examination process. It is recommended that the Moderator/Proctor be a Supervisor or Manager of the course participant.

Moderator/Proctor - Name (print)	Moderator/Proctor Signature
Moderator/Proctor Company & Title	Moderator/Proctor Contact Info (phone# and e-mail)