

HAZWOPER 24-HOUR

Course Code: SAFE-033

Duration: 24 Hours

Category: Safety

Partnership Course Credits: 1

In accordance with OSHA 29 CFR 1910.120



COURSE OVERVIEW

This three-day course is designed to meet OSHA's training requirement under 29 CFR 1910.120 for workers involved in hazardous waste operations and emergency response. It reinforces key safety concepts while engaging students in practical, scenario-based exercises.

Key Topics Covered

Hazard recognition and risk assessment



PPE selection, donning, and doffing



DECON procedures



Emergency response tactics



Spill containment and cleanup procedures



Delivery Options

This course is available on-site at your location, in a traditional classroom setting, or through a blended format. Custom scenarios can be incorporated to align with your specific operations or site conditions.

Certification Issued

Students who complete the course will receive a digital certificate verifying their training. All certificates are issued within 24 hours of course completion.



www.americanhealthandsafety.com

COURSE OUTLINE

Course outlines may vary based on start time and client-specific needs. Topics covered can be tailored to address site-specific hazards and ensure relevance to the client’s operations.

HAZWOPER 24-HOUR TECHNICIAN – DAY 1

Location: ABC Services – 1234 Hazard Control Blvd, Columbia, SC 29201
Date: 15SEP2024
Time: 7:00 AM
Training Cadre: Kyle Koenig, CSP, EMT

Sign in here:



Topic	Location
Introduction / Safety Brief	Training Room
Chapter 1: What is HAZWOPER?	*
Chapter 2: HAZWOPER Training Requirements	*
Chapter 3: Environmental Regulations	*
Chapter 4: Health & Safety Program Management	*
Break	*
Chapter 5: Fundamental Forms of Energy Hazards	*
Chapter 6: Common Job Hazards & Safety Topics	*
Chapter 7: Entry Level Responder Awareness	*
Break	*
Chapter 8: Hazard Communication Standard	*
Chapter 9: Chemical Identification & Nine Hazard Classes	*
Chapter 10: Fire Behavior	*

COURSE OUTLINE CONTINUED

Break	*
Chapter 11: Operations Level Responder	*
Chapter 12: Personal Protective Equipment (PPE)	*
Chapter 13: Respiratory Protection	*
Lunch Break	*
Chapter 14: Standard Operating Procedures	*
Chapter 15: Fundamental Decontamination Procedures	*
Break	*
Chapter 16: Technical Level Responder	*
Chapter 17: Grounding and Bonding	*
Chapter 18: Incident Command System	*
Break	*
Chapter 19: Handling Drums & Containers	*
Chapter 20: Responding to Clandestine Drug Labs	*
Chapter 21: Confined Space Entry	*
Break	*
Chapter 22: Emergency Response to Terrorism	*
2024 Hazard Communication Standard Final Rule	*
After Action Report	*
Conclusion	*

CHECK ON LEARNING / AFTER ACTION REPORT

Join at www.kahoot.it – Instructor will give out code at the end of the class.

COURSE OUTLINE CONTINUED

HAZWOPER 24-HOUR TECHNICIAN – DAY 2

Location: ABC Services – 1234 Hazard Control Blvd, Columbia, SC 29201
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Topic

PPE Overview and Donning/Doffing Procedures

- **Materials Needed:** DuPont Tyvek 400 suits, AnTools rubber gloves, overshoes, Respirators, Kappler ChemTape.
- **Instructions:**
 - **Introduction:** Discuss the importance of PPE in hazardous environments and the types of protection required (e.g., suits, gloves, masks).
 - **Activity:** Each participant will practice donning and doffing the PPE, focusing on:
 - Proper technique to ensure a secure fit.
 - Using ChemTape to seal suit and glove openings.
 - Checking the fit and seal of the respirator (using filters if applicable).
 - **Goal:** Achieve proficiency in PPE usage to prevent contamination during emergency response.

Respiratory Protection Training

- **Materials Needed:** 3M Safety 142-6900 respirators, 3M respirator wipes, Allegro respirator bags, irritant smoke, P100 Combo Cartridges
 - **Instructions:**
 - **Introduction:** Review types of respiratory hazards and the function of different respirators.
 - **Activity:** Participants will:
 - Complete don and doffing procedures to ensure proper seal and fit of their respirator.
 - Learn how to clean and maintain the respirator using cleaning wipes.
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COURSE OUTLINE CONTINUED

- Practice storing respirators in the Allegro storage bags for hygiene and readiness.
- **Goal:** Demonstrate confidence in selecting, using, and maintaining respiratory protection.

Decontamination Process Simulation

- **Materials Needed:** Decontamination Manual, HAZWOPER Class Handbook, Petra sprayer, scrub brush, containment unit, Vansky UV flashlight, glow-in-the-dark powder, safety goggles
- **Instructions:**
 - **Introduction:** Explain the decontamination process and its role in preventing the spread of contaminants. Teach participants to recognize hazards and assess site safety.
 - **Activity:** Set up a decontamination line where participants will:
 - Use the sprayer and scrub brush to simulate washing down PPE and contaminated surfaces.
 - Move through the containment unit, practicing controlled entry and exit.
 - Use the UV flashlight and glow-in-the-dark powder to identify simulated contamination.
 - Safely dispose of used PPE in the designated Rubbermaid storage bin.
 - **Goal:** Develop skills for efficient and safe decontamination in an emergency setting.

Spill Response and Cleanup Procedures

- **Materials Needed:** Spill kits, acid neutralizing absorbent, Haz-waste labels, safety stickers, shovel, trash bags
- **Instructions:**
 - **Introduction:** Review the protocols for handling chemical spills, including containment, neutralization, and reporting.
 - **Activity:** In teams, participants will:
 - Use the spill kits to contain and clean up a simulated spill.
 - Label the area using the provided Haz-waste labels and stickers to mark hazards.
 - **Goal:** Gain hands-on experience in managing spills safely and effectively.

Air Monitoring and Radiation Detection

- **Materials Needed:** BW Flex 4-gas meter, GQ Geiger Counter, Geiger Counter Test Card.
- **Instructions:**
 - **Introduction:** Discuss the importance of air and radiation monitoring in hazardous sites.
 - **Activity:** Participants will:
 - Use the BW Flex meter to monitor air quality and interpret readings for LEL, O₂, CO, and H₂S levels.
 - Operate the Geiger Counter to detect radiation and verify its accuracy with the Test Card.
 - Record their findings and practice updating site safety plans.
 - **Goal:** Build competency in using monitoring equipment to identify and respond to hazards.

COURSE OUTLINE CONTINUED

HAZWOPER 24-HOUR TECHNICIAN – DAY 3

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Topic

Walk to the Production Floor or Outside for Practical Scenario Discussions

- **Materials Needed:** PPE, notepad, pen.
- **Instructions:**
 - **Introduction:** Discuss potential hazards and safety measures observed in the production environment.
 - **Activity:** Identify safety risks in real-world scenarios, review emergency protocols, and discuss appropriate PPE use.
 - **Goal:** Understand hazard recognition and mitigation in a practical setting.

Hands-On PPE Inspection & Donning/Doffing Procedures

- **Materials Needed:** Tyvek suits, chemical-resistant gloves, safety goggles.
- **Instructions:**
 - **Introduction:** Discuss the importance of proper PPE inspection before use.
 - **Activity:** Participants will inspect PPE for damage, practice donning and doffing techniques, and troubleshoot any issues found during the process.
 - **Goal:** Ensure participants understand correct PPE procedures to maximize protection.

Filling Out a Risk Assessment, Job Hazard Analysis (JHA), and Review of Emergency Action Plan or HASP

- **Materials Needed:** Risk assessment templates, JHA forms, Emergency Action Plan documents.
 - **Instructions:**
 - **Introduction:** Overview of risk assessment and JHA processes.
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COURSE OUTLINE CONTINUED

- **Activity:** Participants will complete a risk assessment, fill out a JHA for a given task, and review the Emergency Action Plan.
- **Goal:** Enhance competency in risk management and emergency preparedness.

Air Monitoring Practical

- **Materials Needed:** BW Gas Meters, calibration gas.
- **Instructions:**
 - **Introduction:** Discuss the importance of air monitoring and radiation detection.
 - **Activity:** Participants will use air monitors and radiation detectors to take readings in different scenarios and interpret results.
 - **Goal:** Familiarize participants with monitoring equipment and ensure they can identify hazards.

Chemical Spill Response and Decontamination Simulation

- **Materials Needed:** STARDUST Spill Kit, Spill Hero Absorbent, Petra Battery Powered Sprayer, Tychem coveralls.
- **Instructions:**
 - **Introduction:** Overview of chemical spill response and decontamination procedures.
 - **Activity:** Simulate a chemical spill. Participants will contain the spill, deploy absorbents, and practice decontamination.
 - **Goal:** Reinforce proper spill containment and decontamination processes.

Practical Exam

- **Materials Needed:** Spill simulation materials, PPE, air monitors.
 - **Instructions:**
 - **Introduction:** Summarize key concepts covered in the training.
 - **Activity:** Conduct a simulated emergency response involving a spill scenario. This will serve as a practical exam.
 - **Goal:** Evaluate participants' knowledge and skills in handling a hazardous situation.
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OPTIONAL ADD-ON SERVICES

Realistic Emergency Add-On

- Incorporate actors, moulage (injury makeup), and live DECON drills to simulate high-stress emergencies.

News Media Simulation Add-On

- 1 actor portraying a news reporter, equipped with a microphone, who will question participants during the scenario (press-style questioning).
- 1 actor filming as a news media cameraman, capturing footage and simulating external press presence.
- Custom press briefing scenario where your team is asked to give statements or respond to media inquiries.
- Debrief afterward to coach on proper communication techniques during high-visibility incidents.

Bundle Options

Schedule additional training during the same week and receive a discounted rate:

- First Aid/CPR/AED Certification – Ideal for emergency preparedness.
- RCRA/DOT Hazmat Training – For teams managing hazardous waste and transport.
- Confined Space Entry Training – For workers entering permit-required spaces.

ADDITIONAL INFORMATION

Safety Partnership Access

This course qualifies for 1 Partnership Course Credit, meaning our Safety Partnership clients can schedule this course at no additional charge as part of their individual agreement (limit: 10 participants for this partnership class session).

- Interested in becoming a partner? Visit americanhealthandsafety.com or ask your instructor after class.

Included for Every Participant

Each student will receive:

- Digital certificate
- A physical copy of the most current Emergency Response Guidebook (ERG)
- Hands-on, scenario-driven training led by qualified professionals