



NATIONAL ENVIRONMENTAL TRAINERS, INC.  
3812 SHOAL CREEK COURT  
MARTINEZ, GEORGIA 30907  
1.888.877.7130

[WWW.NATIONALENVIRONMENTALTRAINERS.COM](http://WWW.NATIONALENVIRONMENTALTRAINERS.COM)

*The Official Site of Environmental Health & Safety Training®*

## **8 Hour HAZWOPER – RCRA TSD Operations**

29 CFR 1910.120 (p)

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**Course Description**

**2017**



This course features the exclusive OSHA accepted HAZWOPER Hands-on Simulator®. The simulator offers a stunning 3D environment for the proper donning and doffing of personal protective equipment (PPE).

**Cost: \$125.00 per person**

Group discounts available (3 or more people). Please email or call us at 1.888.877.7130 for a quote. Price match guarantee! Must be OSHA compliant and same quality course.

**Course Features**

- Includes 14 full length videos
- HAZWOPER Hands-on Simulator® - (OSHA Accepted)
- Over 75 interactive flash animations
- Approximately 61 modules
- Award winning content - CEU's
- Self grading quizzes and final exam
- OSHA Study Timer (tracks your study time login and logout at your convenience)
- Certificate of Completion (3 certificates) e-cert, 8x10 and wallet card (instant download of e-certificate upon course completion)
- HAZWOPER course access for 1 year from the time of registration
- Free registration into the National Repository® (download your certificates at anytime in the future)

**Course Description**

In compliance with OSHA 29 CFR 1910.120 (p) regulations, this training is to re-certify individuals who work in an area that is defined as a RCRA Treatment Storage or Disposal (TSD) facility. Upon successful completion of the course, students will receive a certificate of completion accepted by regulatory agencies.

Facilities that have the potential for an emergency to occur due to an uncontrolled release of hazardous substances or hazardous raw materials are required to provide training required under HAZWOPER 29 CFR 1910.120 paragraph (q). Employers who have hazardous waste storage areas must provide training required under either 29 CFR 1910.120 (p)(8) or (q) for those areas.

The course consists of modules (approximately 61 modules) with the use of multimedia components for an engaging experience. This course is intended for RCRA TSD site personnel, e.g., supervisors, environmental professionals, workers, decon personnel etc. The initial training for new employees exposed to health hazards or hazardous substances at TSD facilities must be 24 hours.



Aesthetically pleasing course layout that is user friendly. Professional voice-overs, animations and high definition photographs. Self-grading quizzes and final exam.

Refresher training must be for eight hours annually. The training must be incorporated into the employer's safety and health program.

**Employers must also train employees on site specific use of PPE. This is a site-specific requirement and typically cannot be achieved in a regular public seminar or open enrollment class where training on a respirator(s) or PPE in general does not meet the site-specific regulatory requirement.**

### Course Overview

In compliance with the Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1910.120 (p) this 8-hour annual training is for individuals who have already taken the 24-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) training. The 8-hour annual refresher-training course can be taken on-line while complying with the OSHA regulations.

This training course offers 8 hours of on-line instruction. The course is a combination of: web-based instruction interactive exercises, audio narration of text, videos, animations, self-grading quizzes, and a final exam. Our OSHA Study Timer is also used to comply with the 8 hour HAZWOPER annual refresher training requirement. A student cannot take the final exam until this time requirement is met. Once a student successfully completes the training, an e-certificate will be issued and the original certificates (8x10 and wallet card size) will be mailed. The 8 hour HAZWOPER Course is taken online. As with any training (classroom or online) the employer is required by regulations to train the employee(s) on performance based standards for equipment.

This course features our exclusive **OSHA accepted** HAZWOPER Hands-on Simulator and is divided into 61 modules.

While this training course is very comprehensive, additional site-specific training must be taken for certain hazardous materials/environments that may be encountered at different sites. This is an employer obligation.



## Support

Includes 24/7 **U.S. Based** support. An experienced and highly qualified HAZWOPER instructor is available to you throughout the training process. Our toll free hotline or email will allow access to some of the finest instructors in the U.S.

## Duration

**8 hours (OSHA 8 Hour HAZWOPER Training Requirement)** Note: OSHA requires the 8 hour course will take a minimum of 8 hours of actual study time. Anything less will not comply with the OSHA standard. Our course allows you to login and logout at any time increment in order to fit your schedule. When you logout, the course will be bookmarked so you can begin where you left off. The study timer will also accrue your time and will begin where you left off in the course.

## Continuing Education Units (CEU's)

This 8 hour HAZWOPER course has been awarded 1.34 Industrial Hygiene CM Points by the American Board of Industrial Hygiene (ABIH) - approval number 13334. This course is eligible for .66 Continuance of Certification (COC) points from the Board of Certified Safety Professionals (BCSP).

## Prerequisites

24 HAZWOPER 1910.120 (p)

## Table of Contents

### **Module 1: Regulatory Overview**

EPA  
OSHA  
Levels of Training

### **Module 2: Roles and Responsibilities Part 1**

*Organizational Structure*  
*Essential Personnel*  
*Health and Safety Plan (HASP)*

### **Module 3: Roles and Responsibilities Part 2**

*Optional Personnel*  
*Lines of Authority*

### **Module 4: Hazard Recognition**

*Injury Prevention*  
*Boiling Point, Vapor Pressure, Vapor Density, pH,*  
*Flashpoint*  
*Oxidizers*  
*Lower/Upper Explosive Limits*  
*Flammability*  
*Fire Triangle*  
*SDS*

### **Module 5: Hazard Recognition Part 1**

*NFPA Requirements*

"Overall I thought your 8  
Hour HAZWOPER  
Refresher was very  
good..."

*J. Staples, OSHA*

*Job Hazard Analysis*  
*Defining Risk*  
*Chemical Hazard Identification Systems*  
*NFPA 704 System*  
*DOT Labels and Placards*  
*Ionizing Radiation*

### **Module 6: Hazard Recognition Part 2**

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*Fires and Explosions*  
*Combustibles*  
*Shock Sensitive*  
*Oxygen Deficiency*

### **Module 7: Hazard Recognition Part 3**

*Site and Equipment Hazards*  
*Noise*  
*Heat Stress*  
*Heat Stroke*  
*Cold Stress*

### **Module 8: Hazard Recognition Part 4**

*Infectious Diseases (Bloodborne Pathogens, HIV, HBV)*  
*Sanitation*  
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### **Module 9: Toxicology Part 1**

*Chemical Classification*  
*Toxicology*  
*Routes of Exposure and Dose*  
*Interaction with Other Chemicals Dust, Fumes, Mists and Vapors*

### **Module 10: Toxicology Part 2**

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*Classes of Chemical Toxins*

*Dose to Organs*

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*Storage in the Body*

*Chronic Response*

*Toxic*

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*Dose/Response*

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**Module 12: Placards and Labeling**

*NFPA Hazardous System Identification*

*DOT Placards*

**Module 13: Respiratory Protection Part 1**

*Respirator Protection Program*

*Respirator Types*

*Selection of Respiratory Equipment*

**Module 14: Respiratory Protection Part 2**

*Air-purifying Respirators*

*Combination Canisters and Cartridges*

*Types of APR Face Pieces*

**Module 15: Respiratory Protection Part 3**

*Supplied Air Respirators (SAR)*

*Self Contained Breathing Apparatus*

*(SCBA) Combination SCBA/SAR*

**Module 16: Respiratory Protection Part 4**

*Chemical Concentration*

*Protection Factors*

*Calculating Protection Factors*

**Module 17: Respiratory Protection Part 5**

*Respirator Fit Test (Quantitative and Qualitative)*

*Respiratory Maintenance*

*Types of Respirator Canisters*

*How Respirators Work*

*Positive and Negative Pressure Fit Test*

*Respirator Limits*

*Cleaning, Maintenance and Storage*

**Module 18: Personal Protection Equipment (PPE)**

**Part 1** *Clothing and Ensembles*

*Developing a PPE Program*

*Training*

*Program Review and Evaluation*

**Module 19: Personal Protection Equipment (PPE)**

**Part 2**

*Level A*

*Level B*

*Level C*

*Level D*

*Selecting the level of protection*

**Module 20: Personal Protection Equipment (PPE)**

**Part 3**

*Protective Clothing*



*Inspection and Maintenance of Protective Clothing*

*Selection of Chemical Protective Clothing*

*Permeation and Degradation*

*Work Mission Duration*

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*Considerations for working in PPE*

*Air Supply Consumption*

*Coolant Supply*

*Accessories*

*Special Considerations*

**Module 22: Personal Protection Equipment (PPE) Part 5**

*Reasons to Upgrade/Downgrade PPE*

*PPE Inspection Program*

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**Module 23: Personal Protection Equipment (PPE) Part 6**

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*General Requirements of the OSHA Standard*

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**Module 26: HAZWOPER Site Zones**

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**Module 27: HAZWOPER Support Zones**

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Communication Systems

**Module 28: Decontamination Part 1**

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Maximizing Worker Protection from Hazardous Wastes  
Proper Dress Out Procedures  
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**Module 29: Decontamination Part 2**

Personal Decon Station  
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**Module 30: Decontamination Part 3**

Decon of Personnel and Equipment  
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**Module 31: Decontamination Part 4**

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**Module 32: Decontamination Part 5**

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Drum Handling Chart

**Module 34: Handling Drums Part 2**

Opening Drums and Incompatibilities  
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**Module 35: Handling Drums Part 3**

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**Module 36: Hazardous Materials Sampling Part 1**

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**Module 39: What is a Confined Space?**

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**Module 40: Confined Space Injury Prevention**

Injury Prevention  
Causes of Fatalities

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**Module 43: Air Monitoring Part 3**

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*Radiation Monitors*  
*OSHA Action Levels*

**Module 44: Air Monitoring Part 4**

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**Module 45: Air Monitoring Part 5**

*OSHA Exposure Limits*  
*Measuring Particles, Gases and Vapors*  
*Permissible Exposure Limit (PEL)*  
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*Calculating TWAs*

**Module 46: Medical Surveillance Part 1**

*Information for Medical Program*  
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**Module 47: Medical Surveillance Part 2**

*Medical Examination*  
*Periodic Medical Monitoring*  
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*Termination Exam*

**Module 48: Site Characterization Part 1**

*Offsite Characterization and Records Search*  
*Information Sources*  
*Interviews*  
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**Module 49: Site Characterization Part 2**

*Protection of Entry Team and Documentation*  
*Entry Team*  
*Monitoring and Hazard Assessment*  
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**Module 50: Site Emergencies Part 1**

*Planning and Personnel*  
*Site Emergencies*  
*How Teams assist in Emergencies*  
*Roles of Personnel During Emergencies*

**Module 51: Site Emergencies Part 2**

*Communications Safe Distances and Site Mapping*  
*Safe Refuge*  
*Public Evacuations*

**Module 52: Site Emergencies Part 3**

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**Module 53: Hazardous Waste Regulations**

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*Typical RCRA Hazardous Wastestreams*  
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*Proper Containers Storage of Hazardous Waste*  
*Requirements for Satellite Accumulation Areas*  
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**Module 56: Chemical Compatibilities**

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*Preparing for Emergencies and Preventing Accidents*  
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Burning Used Oil From Generators  
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**Module 61: Universal Wastes**

*What Is Universal Waste?  
EPA Criteria For Universal Waste  
Types of Universal Wastes Labeling and Storage  
Requirements*

**HAZWOPER Hands-On Simulator****Final Exam**

"We really enjoyed the  
content and the delivery  
of your training".

*S. Maide, U.S. EPA*