



HAZARDOUS WASTE OPERATIONS & EMERGENCY RESPONSE STANDARD (24HR)



Live Online Training
Single Class Capacity: 15



Onsite – In Class Training
Single Class Capacity: 20

This course satisfies the requirements of 29 CFR 1910.120 for the training of personnel who respond to emergency releases of hazardous materials. This course is geared toward personnel who respond to emergency releases of hazardous materials in an aggressive manner. Students will learn how to respond safely to an emergency, identify the materials released, and control or cleanup the spills.

This course is a solution for companies who are focused on other activities but must deal with hazardous cleanup as a necessary component. Spill cleanup is incidental to the primary activity of operations. This course is tailored to the client's needs.

WHAT THIS COURSE COVERS

- Overview of Regulations
- Basic Characteristics and Properties of Hazardous Materials
- Toxicology and Industrial Hygiene
- Material Safety Data Sheets
- Identification of Hazardous Materials
- Monitoring and Instrumentation
- Sizeup Strategy and Tactics
- Initial Site Survey and Recon
- Personal Protective Equipment
- Decontamination

WHO SHOULD TAKE THIS?

Personnel who will respond to clean up a chemical spill in addition to their regular job duties.

COURSE OUTCOMES

- This course satisfies the requirements of 29 CFR 1910.120 for the training of personnel who respond to emergency releases of hazardous materials.



Every NTT course is eligible for CEUs (or Continuing Education Units) with your governing board approval or your states approval.



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COURSE AGENDA

INTRODUCTION

- Federal Agencies
- Reporting Requirements
- Definitions

TOXICOLOGY AND INDUSTRIAL HYGIENE

- Routes of Exposure
- Dose-Response Terms
- Factors Influencing Toxicity
- Sources of Toxicity Information
- Uses of toxicity Information
- Exposure Limits
- Health Effects
- Health Hazards

CHEMISTRY AWARENESS

- Speed and torque
- Types and sizing of hydraulic motors
- Hydraulic motors in circuits
- Hydrostatic transmission
- Applications of rotary actuators

MONITORING AND INSTRUMENTATION

- Introduction
- Direct-reading Instruments
- Specific Chemical Monitors
- PH Meters
- Application of Detection Devices

PERSONAL PROTECTIVE EQUIPMENT

- Respiratory Protection
- Medical Surveillance
- Fit Testing and Protection Factor
- Selection of Protective Clothing
- Inspection and Maintenance
- Physiological Factors

SITE CONTROL

- Pre-incident Planning
- Initial Responder Responsibilities
- The North American ERG
- Site Control Zones
- Monitoring Equipment to Establish Boundaries
- Standard Operating Procedures
- Physical Properties and Site Control
- Other Considerations

DECONTAMINATION

- Removal of Contaminants
- Types of Decontaminants
- Disposal Methods
- Pollution Prevention
- Decon Facility Design
- Emergency Decontamination
- Technical Decontamination
- Mass Decontamination

INCIDENT COMMAND

- National Incident Management System
- Purpose of Incident Command
- ICS Concepts and Principles
- Assuming Command of the Emergency
- Transfer of Command
- Incident Termination



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COURSE AGENDA (CONT)

SPILL RESPONSE

- Levels of Response
- Action Plan
- Confining & Containing Releases
- Handling of Drums or Containers
- Drum and Tank Repair
- Clean Up Methods
- Safety Considerations

DRESS OUT

EXAM

EQUIPMENT & MATERIALS - In Classroom

NTT TO PROVIDE

- 3-days (24 contact hours) of on-site instruction
- Textbooks
- Classroom consumables
- Completion certificates
- Shipping, instructor fees and travel expenses

CLIENT TO PROVIDE

- Classroom, with easy access, of 500 square feet or greater.
- Projection screen, white board and/or flip chart(s).
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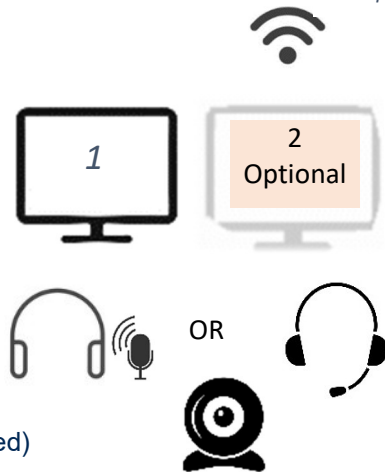


Onsite – In Class Training
Single Class Capacity: 20

EQUIPMENT & MATERIALS - Live Online Training only

CLIENT PROVIDED COMPUTER REQUIREMENTS

- Student email address to receive access to NTT's online platform
- Internet Access through a computer (laptop or desktop)
 - 1:1 Participant minimum bandwidth requirements: 1.2 Mbps (download) 1.2Mbps
- Ability to download and view files online
- Two monitors recommended but only one required
- Computer Speakers
- Computer Microphone
- Computer Web Camera (required)
- Browser Requirements are:
 - Chrome 78, 79, 80
 - Edge 44 (Windows only)
 - Edge 79
 - Firefox 71 and 72 (Extended Releases are not supported)
 - Safari 12 and 13 (Macintosh only)
- CLIENT PROVIDED for Onsite courses
 - Classroom, with easy access, of 750 square feet or greater.
 - Projection screen, white board and/or flip chart(s).



NTT PROVIDED STUDENT MATERIALS

- Access to NTT's online platforms:
 - Canvas for digital exercises
 - Zoom for web video conference
 - No purchase or install necessary but students will be required to test the system they will be taking the class on before the day of training.
- Student Materials
 - Hard-Copy of Texts
 - General consumables: notepad, pens/highlighters, tab
 - Digital-copies NTT materials including Phone

