

Course Details

Highway Emergency Response Specialist

PER-291**Training Provider:** Transportation Technology Center, Inc.**Course Level:** Performance**Delivery Type(s):** Residential**Duration (in Hours):** 40.0**Community Lifeline(s):** Transportation, Hazardous Material**Continuing Education Units:**
General: 4.0**Duration (in Days):** 5.0

Course Description:

This is an intensive highway transportation emergency response course intended to bring hazardous materials technicians to the specialist level as defined by OSHA, NFPA, and the EPA. Participants will be provided with detailed technical information on the design, construction, and function of the most common types of cargo tanks, intermodal and portable containers, and freight vans, as well as non-bulk packaging and compressed gas cylinders. This information will be used as a baseline to educate participants on the proper methods for the containment and mitigation of releases, proper transfer procedures, grounding and bonding, and proper safety procedures required during a highway emergency.

The classroom instruction will be reinforced by practical instruction on actual highway, intermodal, and non-bulk containers. Instructor-led demonstrations will build toward participant-led scenarios, and the entire class will cooperate in a final, large-scale response that closely replicates an incident that would be encountered by a responder. The final incident will require use of all of the skills and knowledge gained during the course in order to bring it to a successful conclusion. Proper scene assessment, damage assessment, confinement, containment, product removal, and transfers will all be evaluated during the incident to ensure that participants are capable of responding to these types of incidents upon completion of the course.

In addition to the response skills that are at the core of the course, participants will learn to assist in identifying vulnerabilities in their own local highway transportation systems so that organizations can pre-plan for incidents and minimize threats. Flammable/combustible liquid transportation incidents, hazardous materials, their possible impact on a jurisdiction, and the necessary components of NIMS and the NRF to prioritize organizational immediate actions and response operations are all covered throughout the course.

Course Objectives:

At the end of this course, participants will be able to:

Identify the methods and materials of construction for highway and intermodal cargo tanks and containers; Review the hazards and appropriate response to an emergency associated with

tractors powered by both conventional (diesel) and alternative fuels; Identify the packaging design, construction, and likely contents of non-bulk/bulk packaging as well as the appropriate response to a release; Identify various types of damage that a container can incur and evaluate the available options including uprighting, transfer, and containment; Determine the proper methods for vapor suppression during a flammable liquids release; Apply the knowledge gained in the course to successfully mitigate a simulated highway emergency.

Other Prerequisites:

Successful completion of a Hazardous Materials Technician course (or an equivalent such as HAZWOPER), as well as NIMS 100, 200 and 700.

Primary Core Capability:

Critical Transportation

Secondary Core Capability(s):

- Critical Transportation
- Environmental Response/Health and Safety
- Planning
- Situational Assessment
- Threats and Hazard Identification
- Fire Management and Suppression

Mission Area(s):

- Respond

Discipline(s):

- Emergency Medical Services
- Fire Service
- Hazardous Material
- Law Enforcement
- Security and Safety
- Transportation
- Other

Training Certificates:

Transportation Technology Center, Inc. Certificate of Completion

Course POC:

SERTC Administration

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Course Active?: Yes