



New Jersey State Police
Homeland Security Branch
Special Operations Section
Hazardous Material Response Unit



Hazardous Materials Operations Course
Course # 06009 8th Edition

Purpose:

Training for those persons who, in the course of their duties, will take appropriate defensive actions at a hazardous materials scene in order to identify, confined and contain materials. Recognition of problems and defensive actions that will require personnel protective clothing are addressed. Terminology, reference sources and basic decontamination are provided. In addition, measures that can be taken to assist the hazardous material response team prior to their arrival.

It will impart the specific knowledge and skills to:

- o respond safely and efficiently to Hazmat incidents at their level of responsibility and training.
- o develop and participate in Hazmat response exercises at their level of training.

Goal:

The participants will have the competencies specified for the Operations level trained first responder by OSHA, PEOSHA-NJ, and NFPA 472-08.

1. The goal is for those persons who, in the course of their duties, may respond to and operate at a scene of a hazardous materials incident. (E.g., Police, Firefighters, EMS personnel, public works field inspector's and OEM person not familiar with HazMat. Response etc.) Course covers recognition, proper defensive actions that need to be taken This class addresses force protection issues, PPE, DECON, use of monitoring devices, Hazard risk assessments and similar items. Covers the basic laws and regulations in New Jersey as well how, when to call for assistance. This course provides compliance in the OSHA regulations and the NJ PEOSH requirements.
2. NFPA 472-08 defines a Operational Responder persons who respond to haz mat / WMD incidents for the purpose of implementing or supporting actions to protect nearby persons, the environment, or property from the effects of the release.

OSHA Level 2 training –Hazardous Materials Operations (FRO) 06009 (8 hrs.)

Pre-requisites

This course is a prerequisite for the HM Technician and On Scene Commander.

- ____ must have attended the NJSP HMRU Haz. Mat. Awareness program
- ____ must participate in hands-on training when applicable
- ____ must take and pass the final exam

Topics

- Introduction, definitions laws and regulations overview
 1. Application of the OSHA / NFPA, Laws / regulations affecting response & training
- Analyzing the incident affecting a response
- Planning the response.
- Implementing the planned Response
- Evaluation The Progress
- Terminating the response

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- Hands-on Training
 1. DECON Set-up, PPE usage, confinement/containment, use of foam, monitoring devices

Class Length

- 8 hours. (if prior training in foam, SCBA and PPE (Fire based Audience)
- 12 hours (if attendees do not possess SCBA, FOAM application (Non Fire Based Audience)

Facilities

Approved classroom as defined in N.J.A.C. 5-73 et seq.

Approved and competent instructor as defined by NJSP HMRU Training Guidelines

Approved training props as determined by NJSP HMRU

1. **Software, and reference manuals etc.**
2. **Current edition of US DOT ERG**
3. **Sufficient equipment for hands-on practical**

Topics

- Module 1 Introduction, definitions laws and regulations overview**
 1. Application of the OSHA / NFPA, Laws / regulations affecting response & training
 2. This section addresses definitions, overview of the program, class conduct regulations governing the course content (OSHA)

- Module 2 Analyzing The Incident**
 1. This section addresses the basic classes of hazardous materials, functional classes, physical properties, use of MSDS, HSFS, RTK (HAZ COMM). Reference manuals are used in class and specific information is examined to demonstrate that more than one reference is needed.

- Module 3 Analyzing The Incident (Basic Hazard & Risk Assessment Techniques)**
 1. This section addresses methods used to determine likely outcome, characteristics and behavior, Levels of incidents, the DECIDE process. This section includes student exercises that allows the students to work through several issues.

- Module 4 Analyzing The Incident (Basic Health & Safety)**
 1. This section addresses methods used to determine likely outcome, characteristics and behavior of the hazardous material, Levels of incidents, the DECIDE process. This section also includes student exercises that allows the students to work through several issues.
 - 2.

- Module 5 Analyzing The Incident (Basic Hazard Personal Protective Equipment)**
 1. This section addresses levels of protection, use of safety equipment associated with a response.

- Module 6 Planning the response (Basic Haz Mat Control)**
 1. This section addresses methods used to stop a flow, reduce the spread or control a release. This section also has a hands-on section that allows the attendee to build flow control dams, dikes and retention areas.

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- Module 7 Implementing the response (Basic Decontamination Procedures)**
 1. This section addresses the layout and use of the decontamination equipment. This section includes a hands-on section. All four types of decon. Methods are shown with specific emphasis on emergency and mass decontamination.

- Module 8 Evaluation The Progress (SOP's Recording Keeping)**
 1. This section addresses the DECIDE process, establishment of SOP, pre-incident records, post incident records and addresses RTK HAZ COM issues.

- Module 9 Terminating The incident**
 1. This section details the notification process required as well DEP-NJ response and notification system. Termination activities in as far as Debriefing, Post Incident and after action critique and review.

Additional subjects

Depending upon the student prior training, additional subject material may be required.

Topics include but not limited to:

Use of SCBA

Use of Foam Application

The example or this is that if an EMT, Police Officer, OEM, CERT member wishes to take the HM Operations class, they may not have the foundation that the fire service personnel have. This additional training is necessary to bring them up to the same level of competency.

History:

This program was first developed in 1987-88 and first began classroom delivery in 1988. Since that time, it has under gone 8 separate reviews and revisions. In 2004 the program was again revised slightly with revisions to take place after the final NFPA 472-08 is adopted.

NFPA adopted revised standard 472 on June 24, 2007. This training program reflects changes made to that standard.