Course Title: Statewide WMD Response: Trench Rescue Technician

Course Duration: 40 Hours

Program: Technical Rescue Program

Level of Training: Technician


Course Description: The scope of this course is to prepare local responders to operate as a local member of a regional team within the NIMS at a CBRNE (Chemical, Biological, Radiological, Nuclear, or Explosive) WMD Event requiring statewide response that has resulted in the need for a deep intersecting trench rescue. The Trench Rescue Technician course has been designed in accordance with NFPA 1006, Standard for Technical Rescue Professional Qualifications. This course pertains to trench rescues involving injured or entrapped persons. The class covers the federal and state regulations, use of specialized equipment for atmospheric monitoring, emergency shoring systems, victim excavation, and employment of rescuer constructed retrieval systems. Special emphasis will be given to rescuer safety and scene evolutions involving various trench rescue problems.
Course Content:

Module: 1
Title: Trench Hazards

Terminal Learning Objectives:
At the conclusion of this module, the student will summarize the hazards associated with a trench rescue incident.

Module: 2
Title: Trench Rescue Safe Operating Techniques

Terminal Learning Objectives:
At the conclusion of this module, the student will identify safe operating techniques for trench Technician response.

Module: 3
Title: Trench Rescue Equipment

Terminal Learning Objectives:
At the conclusion of this module, the student will identify the equipment used for trench Technician response.

Module: 4
Title: Trench Technician Shoring Concepts

Terminal Learning Objectives:
At the conclusion of this module, the student will implement advanced shoring procedures.

Module: 5
Title: Trench Rescue WMD

Terminal Learning Objectives:
At the conclusion of this module, the student will summarize the considerations at a WMD incident.

Evaluation Strategy:
Written and practical skill testing is conducted at the completion of the course. In addition, simulated rescue evolutions involving various rescue problems are conducted throughout the course.
Class Schedule

Day 1
Module 1: Trench Hazards  30 min
Module 2: Trench Rescue Safe Operating Techniques  30 min
Module 3: Trench Rescue Equipment  1 hour
Module 4: Trench Technician Shoring Concepts  2 hours

Lunch
Drill: Tabulated Data Exercise  1 hour
Drill: Wooden Models - build L and T trenches  1 hour
Module 5: Trench Rescue WMD  30 min
Drill: Equipment review  1.5 hours

Day 2
Ladder Jib Station/Vac Truck Demo  2 hours
Deep Wall Trench  2 hours

Lunch
Continue Deep Wall Trench  4 hours

Day 3
Start Time: depends on previous days progress and weather conditions
T Trench  4 hours
L Trench Method 1(Night Drill)  5 hours
Day 4 – Individual Student Evaluations

L – Trench Method 2        4 hours
L -- Trench Method 3       4 hours

Day 5

Final Written Exam        1 hour
Final Practical           5 hours
Cleanup Equipment         1 hour