

# 8 Hour Hazardous Materials Radiation Emergencies

## Course Description:

This one day, 8-hour course presents a radiological / nuclear overview consisting of ionizing radiation fundamentals, terminology, health effects, and recognition factors. This information is critical knowledge for emergency responders performing the interdiction / prevention mission as well as first responders and other personnel who are likely to be the first to arrive on the scene of a radiological / nuclear incident. This fundamental knowledge of ionizing radiation and its effects is vital to responder safety, allowing performance of their mission while keeping the risk to themselves and the public as low as reasonably achievable.

## Course Objectives:

- Define the fundamentals of radiation, radioactive material, ionization, and contamination.
- Describe the indicators, signs, and symptoms of exposure to radiation.
- Recognize the presence of radiological material from radiological postings (colors and symbols), container shapes/types, or unusual signs that may indicate the threat of a radiological incident, and make appropriate notifications for additional agencies and resources that may be needed.
- Describe the radiological & nuclear threat and its potential impact on the community.

## Who should attend?

- Fire Fighters and Hazmat Teams that respond to transportation incidents
- Spill / Safety response team members
- Supervisors of employees at EHS facilities (Extremely Hazardous Sites)
- Hazardous waste site workers
- Personnel identified in a facility Emergency Response Plan (ERP) that respond to mitigate release of Hazardous Materials or other emergencies

## Earned Credentials:

Upon successful completion of the course, participants will earn 8 Continuing Education Units (CEUs) and a certificate verifying successful course completion.