



**SU-904**

# Advance Radiation Fundamentals First Response Training

## DESCRIPTION

This course is a continuation of the Basic Radiation Fundamentals class. In this course you will learn about radioactive materials of concern, how to properly perform a search/survey for radioactive materials, setting up choke points for personnel/vehicles, the process for taking samples and/or radiation identification, special techniques for gathering radiation situational awareness and transportation of radioactive materials. Included will be some hands-on practical exercises to demonstrate how you can perform these tasks.

## HOW YOU WILL BENEFIT

Gain an understanding of what radioactive materials are most encountered that can cause harm to the public or responders. How to search and find lost or stolen materials through survey techniques. See how to set up choke points for personnel and vehicles when searching for radioactive materials. Learn about common methods of transport that account for many of the radiological accidents occurring each year. Gain a higher level of confidence and situational awareness when dealing with radioactive materials.

## WHO SHOULD ATTEND

Emergency response organizations; local and federal agencies; military, health departments, government, etc.; any individuals or organizations concerned about this subject.

## COURSE CONTENT

- ✓ Radiation fundamentals basic review
- ✓ Radioactive materials (RAM) of concern
  - RAM that can be used against people or involved in accidents
  - RAM found in commonly used items across the country
  - How RAM can be lost or stolen
- ✓ Search/survey techniques
- ✓ Choke points for monitoring personnel and/or vehicles
- ✓ Taking Radioactive Samples
  - Radiation identification
  - Soil, water, air samples
  - Smears/wipes
- ✓ Situational Awareness
  - Paying attention to your surrounding
  - Clues that can help determine that RAM is involved
- ✓ Transportation of Radioactive Materials
  - Transportation signs and labels
  - Common items
  - Accidents
- ✓ Hands-on practical experience for choke points and transportation incidents
- ✓ Case Studies

## PREREQUISITES

Basic Radiation Fundamentals or a good understanding of radiation and detection.

To register, visit  
[www.mirion.com/na-courses](http://www.mirion.com/na-courses)