

## PER-246

### Primary Screener/Backpack Basic Course

This course is designed to train the Primary Screener using a Human Portable Radiation Detector system (backpack) to perform a preliminary radiological assessment. Responders operate backpacks to detect radiation, verify the radiation alarm, localize the source of radiation, measure the radiation level, and assess the threat status of the situation. Participants employ the backpacks to help adjudicate potential threats involving people, vehicles, packages, and facilities.

#### Course Objectives

- Describe the fundamentals of radiation that apply to primary screeners.
- Operate the backpack and personal radiation detector under simulated field conditions to detect, verify, locate, measure, and assess the radiation level of unknown radiological materials in facilities, vehicles, packages, and on people.

#### Target Audience/Discipline

Law Enforcement, Fire Service, Hazardous Materials, Private Sector/Corporate Security and Safety Professionals, Search and Rescue, Transportation Security and others performing duties as a primary screener.

#### Eligibility

It is the responsibility of the jurisdiction to select course participants.

#### Location

Participant site

#### Cost

All training and course materials are provided at no cost to eligible participants.

#### Compliance

This course complies with ANSI N42.37-2006, "American National Standard for Training Requirements

for Homeland Security Purposes Using Radiation Detector Instrumentation for Interdiction and Prevention.”

#### Enrollment Information

In order to attend a training class delivered by one of the FEMA/NPD training partners, a request must be submitted to the designated U.S. Department of Homeland Security training point of contact. For a Training Coordinator in your area, please call 877.963.2867 or email [ctosmttreg@nv.doe.gov](mailto:ctosmttreg@nv.doe.gov).

Min/Max Enrollment: **16-18**

Hours: **7 hours (1 Day)**

Format: **Mobile**

DHS Course #: **PER-246**

Prerequisites: **N/A**

Recommended Prerequisites:

- **AWR-140/AWR-140-W**  
Introduction to Radiological/Nuclear WMD Operations
- **PER-243 PS/Personal**  
Radiation Detector Course



Indicator unit displaying background radiation levels –CTOSNNSA