

Chemical, Biological, Radiological, Nuclear and Explosives Training: SRNL-204-RESP

## Radioactive Material Evidence Collection

### Exercise Description

Radioactive Materials Evidence Collection prepares state, local, and tribal responders to respond to and document a radiological crime scene. Responders in this course employ the Federal Bureau of Investigation (FBI) Crime Scene Search Protocol during identification and collection of potential evidence. Responders also examine the positions and roles of the Hazardous Materials Response Team (HMRT) and the Hazardous Materials Response Unit (HMRU). This course culminates with a scenario-driven practical exercise that challenges responders to demonstrate their skills in a simulated radiological crime scene.

### Tasks and Topics

The following tasks and topics can be addressed or tailored to the customer's needs with training objectives

- > Available radiological monitoring instrumentation to demonstrate practical knowledge for determining limits of the spread of surface contamination, determining the operational limits relative to airborne contamination, and establishing the limits of a radiation area
- > Selecting and donning appropriate protective clothing to control the spread of contamination
- > Entering a contaminated operational environment and performing job related tasking such as the collection of items of interest (e.g., evidentiary and intelligence related materials, etc.) and immediate support services
- > Configuration and setup of an operational hot-line and transfer of collected materials out of the hot-zone with appropriate packaging of materials for transport to other fixed assets for further analyses
- > Removing potentially contaminated PPE and exit from the hot-zone without the spread of contamination

Other tasks and topics may be addressed as requested based on the team's protocols and procedures, and may include Reachback communications.



*Evidence collection*

## Completion

An evaluation report/assessment will be provided for each team's performance against the objectives.

## Target Audience/Discipline

Secondary screeners such as law enforcement, EMS, fire services, HazMat or other personnel who may provide support services during prevention and deterrence of radiological/nuclear detection and interdiction operations

## Location

A selected facility at the Savannah River Site (SRS) and the Savannah River National Laboratory (SRNL) in Aiken, SC; Federal Law Enforcement Training Center (FLETC) in Charleston, SC.; or a designated venue at the customer's location



## Compliance

Supports ANSI/IEEE N42.37-2006, American National Standard for Training Requirements for Homeland Security Purposes Using Radiation Detection Instrumentation for Interdiction and Prevention. Also supports National Preparedness Goal Core Capabilities for Response/Health and Safety; Interdiction and Disruption; On-scene Security and Protection; Operational Coordination; Physical Protective Measures; and Screening, Search, and Detection focusing on the CBRNE capabilities as part of a Prevent and Response Mission.

## Enrollment Information

**Duration:** 2-3 days, dependent on selection of classroom instruction, team numbers and objectives

**Format:** Presentations, hands-on demonstrations and evaluated exercises

**Prerequisites:** None

**Contact:** CBRNE\_Training@srnl.doe.gov

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