

Chemical, Biological, Radiological, Nuclear and Explosives Training: SRNL-201-RESP

Post-detonation Radiological Dispersal Device Response

Exercise Description

This exercise is designed to provide realistic training to response personnel tasked with down-range work in a post-detonation radiological dispersal device environment. The training uses live explosives and radiological agents to include transferable radioactive contamination. The three- to four-day course combines classroom instruction along with field exercises.

Tasks to Topics

The following tasks and topics can be addressed or tailored to the customers' 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 personal protective equipment (PPE) for down-range operations to include initial entry and modifications for subsequent entries
- > Entering a contaminated operational environment and perform 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.



Post-blast analysis and evidence gathering

Completion

At the conclusion of the exercises, SRNL personnel will provide immediate feedback to participants relative to their performance to expected standards. SRNL will also provide a written critique to the sponsoring agency within two weeks of conclusion of the training.

Target Audience/Discipline

Personnel tasked to respond to the scene of a detonated radiological dispersal device such as federal, state, and local law enforcement, emergency services personnel (medical, HazMat), or other skilled personnel that may be needed down range during the aftermath of such an occurrence

Location

A selected facility at the Savannah River Site and the Savannah River National Laboratory in Aiken, S.C.

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:** 3-4 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

For more information
on CBRNE training, contact:

Tony Hicks

Savannah River National Laboratory
Aiken, SC 29808
Phone: 803.725.8432
Email: CBRNE_Training@srnl.doe.gov

For more information
on SRNL, contact:

Lana Cox

Savannah River National Laboratory
Aiken, SC 29808
Phone: 803.725.4396
Email: lana.cox@srnl.doe.gov

