



OSC/SUPPORT PERSONNEL RADIATION/ NUCLEAR RESPONSE COURSE

(Intermediate-Advanced Level)

November 14-16th, 2006

Dallas-TX



The USEPA will be delivering a comprehensive three day hands on radiation/nuclear response course for OSCs and Support Personnel in Dallas-Texas. This course is designed to give the responder the basic tools needed to understand the threat and how to effectively respond to an incident both in the emergency and cleanup-phase. This course is a combination of lecture, equipment training, and field exercises. See attached course description , current agenda, and registration form.

This course contains subject matter experts from the following agencies: USEPA Emergency Response Team, USEPA Environmental Response Team, the National Decontamination Team, Federal Bureau of Investigation, Department of Energy & DOE Contractors. Seats are available for outside agencies pending availability.

Course Coordinator:
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USEPA Region 6
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COURSE DESCRIPTION:

This course consists of a three-day training program that provides hands-on training with personal protective equipment (PPE), sampling and monitoring equipment, and how to set-up, walk through and operate a responder decontamination line. The course is 50% lecture, 50% exercise. The student will learn how to operate various types of USEPA monitoring/sampling radiation equipment, how to conduct surveys, how to locate sources, how to determine contaminated areas and how to determine work zones. The student will learn about DOT Transportation guidelines on radiological materials. The student will learn about the various types of clean-up technologies and current disposal mechanisms. The student will learn what the USEPAs delegated authorities are and how the Multi-agency IMT will operate. This course is a comprehensive course covering the threat of a dirty bomb/backpack nuclear device attack and how the USEPA OSC/Support Personnel will respond.

Course Objectives:

- Identify the current threat and common types of materials potentially used
- Explain the NRP and the delegation of authorities between DHS/DOE/EPA/USCG/FBI
- Explain the possible scenarios of a potential attack using a Dirty Bomb/IND
- Explain health effects and Dose Guidance/Stay Time Tables
- Explain hot/warm/cold zones, and decontamination lines for Level B/ C PPE
- Understand the survey and sampling equipment using field applications
- Explain assets within the different agencies that can be utilized
- Explain radiological sites, cleanup technologies, disposal practices
- Understand DOT Transportation regulations, placards, and TI indexes, etc.
- Become familiar with conducting survey work, locating sources, and sampling air
- Become prepared in responding to a radiological/nuclear incident

Level:

Intermediate-Advanced Level Expertise

Prerequisites:

Students need a basic level of radiation training including general radiation concepts/health effects/survey, or radiological site work experience.

Target Audience:

USEPA OSCs
USEPA Contractors
USEPA Health Physicists or SHEMs
USCG Strike Team Personnel
DHS Agents/Haz-mat Team Personnel
State OSCs or radiological personnel
County or City radiological Personnel
This course is open to all federal agency personnel pending seat availability.

Course Delivery

Delivered once a year. This course will be held November 14-16th at the EPA Warehouse located at: 11419 Ferrell Drive, Suite 104, Farmers Branch-TX..



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Schedule Day One

TIME	NOVEMBER 14TH	COURSE MODULE	SPEAKERS
0800-0830		NRP, RDD/IND ANNEX Jurisdictions	On-Scene Coordinator Nicolas Brescia Region 6, EPA
0830-0910		FBI Perspective	SA Don Macpherson
0910-0940		EPA HSD Response Logistics	EPA-HSD S.A. Abat
0940-0950		BREAK	
0950-1040		DOE RESPONSE/ RAP TEAMS/FRMAC	Alan Remnick DOE Headquarters
1040-1120		Basic Radiation Concepts	George Brazowski USEPA Region 6
1120-1130		BREAK	
1130-1220		Current Radiological and Nuclear Threat	Rick Foley National Security Technologies (DOE)
1220-1300		LUNCH	Cafeteria
1300-1330		Radiation Survey Basics	USEPA ERT
1330-1410		Site Assessment Lecture Initial Response: Emergency phase	USEPA ERT
1420-1520		Site Assessment Exercise: Source-boards	USEPA ERT
1520-1530		BREAK	
1520-1620		Rad Decon Line Set-up Lecture	Scott Hudson National Decon Team



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Schedule Day One (Continued)

TIME	COURSE MODULE	SPEAKERS
1800 "SOCIAL GATHERING"	PAPASITOS MEXICAN RESTAUNT	I-35 & LOOP 12

DIRECTIONS TO PAPASITOS FROM EPA WAREHOUSE: GO SOUTH ON I-35, EXIT LOOP 12 (NORTHWEST HIGHWAY), GO LEFT AT LIGHT(EAST) AND TURN INTO THE PARKING-LOT THAT HOLDS PAPAS BARBEQUE, PAPASITOS MEXICAN CANTINA IS DIRECTLY BEHIND PAPAS-

EQUIPMENT INFORMATION FOR COURSE:

During this training course the student will hear from multiple Federal Agencies on the current threat that exists. The student will practice using survey meters: Ludlum Model 192 MicroR Meter, Ludlum Model 2241-2 coupled with Model 44-9 Alpha/beta/gamma pancake GM Detector, Model 43-90 alpha scintillation detector. The Student will practice isotope identification with Isotope identifier (SAM 935), and collect and count Air samples using sampler (Model H-810) And counter Ludlum Model 3030 Alpha/Beta Sample Counter.



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Schedule Day Two

TIME	NOVEMBER 15	COURSE MODULE	SPEAKERS
0800-1000		Medical Monitoring & Decon Line Exercise	NATIONAL DECON TEAM Scott Hudson
1000-1045		Airborne Radioactivity Sampling	Roger Shura USEPA ORIA
1045-1200		Air Sampling Exercise	Roger Shura USEPA ORIA
1200-1300		LUNCH	Cafeteria
1300-1320		Gamma Spectroscopy (SAM 935) LECTURE	USEPA ERT
1320-1420		Gamma Spectroscopy (SAM 935) EXERCISE	USEPA ERT
1420-1430		BREAK	
1430-1520		ISOPLETH EXERCISE	USEPA ERT
1520-1600		DIRTY WAR MOVIE	BBC
1600-1610		BREAK	
1610-1640		NATIONAL RAD ASSETS	REGION 6 OSC Nicolas Brescia USEPA
END OF DAY			



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Schedule Day Three

TIME	COURSE MODULE	SPEAKERS
0730-0800	USEPA Rad Assets Mobe times/Expertise	MIKE SELLS USEPA ORIA
0800-0840	Rad Sites (Gulf Nuclear)	On-Scene Coordinator Greg Fife Region 6, EPA
0840-0850	BREAK	
0850-0930	Rad Sites (Hastings & Little Bit)	On-Scene Coordinator Pat Hammack Region 6, EPA
0930-0940	BREAK	
0940-1030	Rad Sites (Starmet)	On-Scene Coordinator David Dorian Region 4, EPA
1030-1040	BREAK	
1040-1130	Cleanup Technologies	Scott Hudson NDT
1130-1230	Lunch	Cafeteria
1230-1320	Rad Waste/Material Transport	Earl Trail National Security Technologies (DOE)
1320-1330	BREAK	
1330-1430	Rad Waste Transportation and Disposal	RPM Gene Jablonowski Region 5, EPA
1430-1440	BREAK	
1440-1600	VEHICLE SURVEY EXERCISE	USEPA ERT & National Decon Team
1600-1640	COURSE CRITIQUE TESTING	STAFF

BASIC INFORMATION FOR THE COURSE:

DALLAS, TX

The course will be conducted at the USEPA-R6 Warehouse located at: 11419 Ferrel Drive, Suite 104, Farmers Branch, TX 75234. The training location is roughly 12.4 miles East of DFW Airport. Fly into DFW International Airport, and follow driving instructions per the attached map.

LODGING AND FOOD

You will be responsible for providing your own lodging while attending the course. The area surrounding the training location has an unlimited number of hotels. The Grapevine Area and the area due East of the airport has plenty of hotels to choose from. A list of chosen hotels will be e-mailed to participants 3 weeks before the course. Per Diem rates are \$95 (Lodging) and \$59 (food) per day.

RECOMMENDED ITEMS

If you are taking any allergy medications or require an EPI PEN for allergic reactions, please bring them with you.

Shorts, t-shirts, jeans, long sleeve shirts, light jacket, etc. (weather changes daily)

SAFETY AND SECURITY

Safety and security issues will be addressed during the course orientation on Monday. Staff members will be available to answer any questions you may have regarding these issues.

PROHIBITED ITEMS

Firearms	Illegal Narcotics
Alcohol	Radioactive Materials
Binoculars	Pets

Security measures at the training site include random vehicles searches which include all hand-carried items and luggage. It is a federal offense to violate these security procedures.

WEATHER/TRAINING ENVIRONMENT

November temperatures average between 75-80 degrees, but the evenings will drop into the 50's. Please bring appropriate clothing for current weather conditions. All drinking water requirements while at the training site are provided.