Pennsylvania State Fire Academy

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Minimum Standard for Accreditation (MSA)

Revised November 19, 1999

Course Title: ***Radiological Assistant Refresher Course*** (formerly Fundamentals Course for Radiological Monitors Refresher) (RERM)

Length of Course: 2.5 hours **Lecture/Lab Breakdown:** 2.5 /0

Prerequisites: ***Radiological Assistant Initial Course***

Course Goal: The objective of the Radiological Assistant Refresher Course (RAIC) is to provide the participants with the skills to function as Radiological Assistant during the initial response phase of a radiological incident/accident. The course is designed to 1) provide initial responders with the capability to conduct lifesaving activities when warranted, 2) provide essential information to other units responding to the scene, and 3) provide necessary skills to initiate immediate protective action for initial/follow-on responders and the general public, until further radiological expertise arrives.

Description of Course: Provide participants with the basic understanding of ionizing radiation, sources of radiation, biological effects of radiation exposure, provide skills necessary to provide useful radiological response information to follow-on response elements, and to initiate protective actions for themselves, victims, and the general population.

Description of Methodology to be used: Lecture and discussion.

IMPORTANT NOTICE: Maximum class size for this course is 30 students; no exceptions.

Student Equipment/Supply Needs: DOE Modular Emergency Radiological Response Transportation Training Student Workbook, 1996 North American Emergency Response Guidebook, DOT P5800.4, DOE Response Wheel for Radioactive Materials, REAC/TS Transport of Radioactive Material – Q&A About Incident Response Pocket Guidebook

Equipment/Audiovisual/Supply Requirements: DOE Modular Emergency Radiological Response Transportation Training (MERRTT) Instructor Workbook, Modules 1-6; "The Transportation of Radioactive and Other Hazardous Material… Safety Our Prime Concern" FEMA VT 326.1; Pre-Hospital VT 320; Hazardous Material Awareness: Response to Rail Accidents" FEMA VT 326.1; "Step by Step …. The Transportation of Radioactive and Other Hazardous Materials" FEMA VT 326.3; "Highway Shipments of Spent Nuclear Fuel" FEMA VT 326.4; "Ionizing Radiation and its Biological Effects" FEMA VT 326.5 (323); Radiological Assessment Case Study & Exercise" FEMA VT 326.6.

continued

COURSE OUTLINE

	Radiological Assistant Modules (Refresher Training)	**Time**
	Registration, Introduction, and Overview	30 min
1.	Radiological Basics	15 min.
2.	Biological Effects of Ionizing Radiation	15 min.
3.	Hazard Recognition	15 min.
4.	Initial Response Actions	15 min.
5.	RAM Shipping Packages	30 min.
6.	Patient Handling	30 min.
	Total	**2 hrs. 30 min**

Compentency Evaluation Mechanism (brief description – attach copy): Each module has a quiz and then students will need to take a final facilitated exam. A minimum test score of 70% is recommended to enable course attendees to receive a PEMA or State Fire Academy Certificate of Training.

Course Objective (specific): Upon completion of this course, the trainee will:

1) Have a working knowledge in radiation protection concepts.
2) Identify potential radiological hazards and properly use the NAERG.
3) Institute proper protective actions.
4) Ensure written documentation, such as an On-Scene Chronology Report is initiated.

Questions/Comments: Contact the Curriculum Specialist