



**Environment, Health, & Safety
Training Program**

EHS0473– Radiological Worker II

Course Syllabus

Subject Category:	Radiation Protection	Course Prerequisite:	EHS0471
Course Length:	2 1/2 Hours	Medical Approval:	NO
Delivery Mode:	Class		
Schedule:	As Needed		

Course Purpose: To provide training commensurate with a job assignment that requires an employee to work with dispersible radioactive material (> 10CFR835 Appendix D levels) or work in a posted Contamination Area (CA), High Contamination Area (HCA), Airborne Radioactivity Area (ARA) or High Radiation Area (HRA). This course is designed to inform employees of the proper work practices and requirements needed for work in a CA, HCA, ARA, or HRA, and to enable them to work safely within such areas. This course is mandatory prior to commencing work in a CA, HCA, ARA, or HRA under any Radiological Work Authorization (RWA). Other radiation protection courses may also be required and will be specified in the RWA covering the work.

Course Objectives:

After completing this training, you will be able to:

- Describe the differences between fixed, removable, and airborne contamination.
- Define Contamination Area, High Contamination Area, Airborne Contamination Area, and High Radiation Area.
- Describe sources of radioactive contamination.
- Describe the methods of minimizing radiation exposure.
- Describe the various controls used to minimize and control radioactive contamination.
- Describe the proper actions to take in an emergency.
- Identify the proper technique for donning and doffing protective clothing.
- Describe the requirements for entering, working in, and exiting a CA, HCA, ARA, or HRA.

Course Instructional Materials:

- Various radiation and contamination instruments
- Various types of Protective Clothing (Lab Coat, Tyvek Coveralls, Gloves, Booties)
- Power Point Presentation

Instructors:

Jeffrey Bramble (x6242)
William Rowley (x2569)
Paul Trapani (495-2213)

Training Compliance Requirements: This course is designed to meet, in part, the requirements of 10CFR835 section 901. Other training, such as EHS0478 or On-The-Job Training (OJT) may also be required depending on the work assignment.

Course Handouts:

- Copy of power point presentation
- Sample Survey Form

Participant Evaluation: Written evaluations regarding the effectiveness of the trainer, the training, and the visual aids.

Written Exam: A written exam must be completed with a minimum score of 80%

Practical Exam: None

Retraining/Recertification: Every 2 Years / Retraining is normally accomplished by retaking the course.

WEB Resource: EH&S Training Program website: www.lbl.gov/ehs/training/index.shtml

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