



Refresher Training in Radiation Protection for Research and Laboratories Facilities

SYLLABUS

PRESENTED BY:

Applied Environmental Consulting, Inc.

RESEARCH and Laboratory

- Establish a Radiation Protection Program
- Types of Radioactive Materials Used
- Design and Safety of Laboratory
- Setting up a Controlled Area
- Elements of the Radiation Protection Program
- Design and Safety of Administration for Outside Applications
- Greenhouse
- Operating and Emergency Procedures
- Rules-of-thumb in the Laboratory
- Survey Meters Used
- Operation of Survey Meters
- Survey and Contamination Control
- How to Take a Swipe
- Records Management
- ALARA: Time, Distance, Shielding
- Good House Keeping Practices
- Emergency Procedures and Notifications
- Managing Spills (Major and Minor)
- Role of the RSO
- Package Receipt and Opening
- Radioactive Waste Management
- Plan for Decommissioning
- What Regulators are Looking For

TRANSPORTATION

Regulations

Items required to be trained in HAZMAT site specific to the facility to include:

Type of packages: Type A, Type B, LSA, Strong-tight container

Definition of Package

Reportable Quantities

Bill of Lading

Labels, markings and placards

Exempt quantities

Receiving/Shipping radioactive materials

Opening packages

What to do for damaged items

Roles of RSO / Authorized Users