

Documentation of Radiological Training

Name

Date of Training

Date of Expiration

General Employee Radiation Training (GERT)

- Sources of Radiation
- Relevant Definitions
- Non-ionizing versus Ionizing Radiation
- Biological Effects
- Dose Limits
- ALARA
- Radiological Postings
- Employee Responsibilities
- Emergency Response
- Comparison of Risk

Radiological Worker Training (RW)

- Radiological Fundamentals
- Biological Effects
- Radiation Dose Limits
- ALARA
- Personnel Monitoring Devices and Program
- Radioactivation, Fermilab Radioactivity Class System, Source Control Program, Material Move Policies, & Contamination Controls
- Radiological Postings and Controls
- Radiological Emergencies
- Standardized Core Practical Factors Plus:
 - Use of Pocket Dosimeters
 - Material Surveying and Labeling

Radiological Control Technician

Core Academics

- Basic Mathematics and Algebra
- Unit Analysis and Conversion
- Physical Sciences
- Nuclear Physics
- Sources of Radiation
- Radioactivity and Radioactive Decay
- Interaction of Radiation with Matter
- Biological Effects of Radiation
- Radiation Protection Standards
- ALARA
- External Exposure Control
- Internal Exposure Control
- Radiation Detector Theory

Site Specific Academics and Practical Factors

- Radiological Documentation and Communications
- Activation Analysis Laboratory Procedures and Counting Statistics
- Dosimetry
- Control of Contamination and Airborne Radioactivity
- Radiological Source Control
- Environmental Monitoring
- ALARA Program, Radiological Postings and Material Storage
- Conduct of Radiological Work
- Shipment and Receipt of Radioactive Materials
- Radiological Incidents and Emergencies
- Radiological Instrumentation
- Beam-On Radiation Fields and Conduct of Beam-On Surveys
- Waste Management Procedures

Instructor
Print Signature Date