

Course Length: 0.5 hours

Course Objective:

- Provide delegates assigned to work with or around NORM the necessary skills to safely perform their jobs.
- Provide delegates with recommended practices and guidelines to perform safely while working with NORM.

Course Design:

- Narrated e-learning modules

Successful Course Completion:

- Requires successful completion of knowledge assessment.

Course Outline:

About NORM

Radiation

- What is radiation?
- Types of Ionizing Radiation
 - Alpha Particles
 - Beta Particles
 - Gamma Radiation
- Measurement Terms for NORM Detection
 - Roentgen
 - Roentgen Equivalent Man (REM)
 - Roentgen Absorbed Dose (RAD)
 - Curie

Health Effects of Exposure

- Large Dose of Radiation (Acute)
 - General Effects of Body
 - Legal Limits
 - General Radiation Exposure Effects
- Exposure Prevention

Post Training Evaluation:

- The employer shall ensure that each employee is evaluated to confirm that he/she understands the information provided in the training.

Reference Material / Documents:

Department of Transportation (DOT)

- 49 CFR 173 – General Shipping Requirements

Department of Environmental Quality (DEQ)

Implementation Manual for Management of NORM in Louisiana



NORM Awareness

E-Learning Course Outline



Radiation Protection Division

M&A Safety Services training conforms to OSHA CBT Training standards and ANSI Z490.1. Criteria for Accepted Practices in Safety, Health and Environmental Training. M&A Safety Services LLC. follows all ANSI training criteria.

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