



Course 308

Length: 2 days

Target: Persons who are responsible for the classification of radioactive materials that are candidate low specific activity (LSA) material or surface contaminated objects (SCO).

Prerequisite: RRI's Advanced DOT Radioactive Materials Packaging & Transport Workshop (Courses 303) or equivalent.

Intensity: ___ Mild X Medium ___ Challenging ___ Extreme

Materials: Each participant receives the latest 49 CFR 100-180 Hazardous Materials Regulations, NRC and DOT guidance documents, an update to NUREG-1608, professionally designed training book containing a copy of all course slides, supplemental handouts, a separate booklet with study questions, and course completion certificate.

Terminal Objective

Upon completion of this course, and given the reference materials, the participant will be able to identify pertinent information necessary for the proper classification of candidate LSA material and SCO.

Enabling Objectives:

- List the three Federal agencies that have regulations governing the characterization and classification of LLW for transport and disposal.
- State the scope of the three Federal agencies with regard to LLW characterization and classification.
- Identify the four major guidance documents available for insight into the characterization LLW and classification of LSA material and SCO.
- Explain, in general, the differences between the criteria used to established radiological limits for NRC LLW near surface disposal and DOT LSA material/SCO classification limits.
- State the differences in the scope and definition of terms used by both NRC for LLW characterization and DOT for LSA material/SCO classification.
- Locate the specific regulatory citations for NRC LLW near-surface disposal characterization and DOT LSA material/SCO classification.
- Locate in the NRC BTP for LLW concentration averaging and encapsulation and DOT/NRC NUREG-1608 guidance specific to a given LSA material/SCO classification application.
- Distinguish if a given LLW is candidate LSA material or SCO.
- Determine if a given LLW candidate LSA material has the necessary data to make such a classification.
- Determine if a given LLW candidate SCO has the necessary data to make such a classification.
- Classify a given LLW as LSA material or SCO and assign it to the appropriate group.
- Calculate for an SCO-II using the NUREG-1608 short-cut allowance.
- Determine the proper description to be use for a given mixed LSA material/SCO content package.
- State the transport conditions that disallow the classification of LSA material or SCO.