What Does the Course Cover?
The objective of this 4.5-day course is to help participants gain an understanding of the regulatory basis, current design practice, and engineering rationale for applying the ASME Boiler & Pressure Vessel Code to the packaging and transportation of radioactive material and the storage of spent nuclear fuel and high-level waste. Course highlights include lectures on the following:

- Overview of federal regulations that govern (1) packaging and transportation of radioactive material and (2) dry cask storage systems for spent nuclear fuel
- DOE Orders and NRC guidance documents, including standard review plans, regulatory guides, and NUREG reports
- DOE/NRC lessons learned from certifying transportation packages and licensing dry cask storage systems
- Discussion of the ASME Code, with emphasis on design- by-analysis rules, design of internal support structures, and buckling analysis
- Fabrication, welding, examination, quality assurance, test requirements, design qualification by physical testing, and containment/ confinement requirements for leakage rates
- Structural, thermal, containment/ confinement; shielding and criticality safety analysis considerations
- Aging management programs and time-limited aging analyses
- Inspection and monitoring procedures and technologies

Course Activities
- Lectures/Discussions
- In-class exercises/Homework
- Facility tours/Final exam

Participants who successfully complete this course and pass the exam may be eligible for college credit at the University of Nevada, Reno.

Who Should Attend?
The course has been designed for DOE and its contractors and other agency and industry personnel who are responsible for designing, fabricating, or evaluating Type B and fissile material transportation packages and spent fuel storage casks, as well as for preparing or reviewing the associated safety analysis reports. Utility personnel may benefit from additional lectures on aging management for extended long-term dry storage of spent fuel. The number of participants is limited to 24.

Faculty
Faculty will include subject matter experts from U.S. National Laboratories; DOE, NRC, and other agencies; academia; and utilities.

Tuition/Registration
The tuition for the training course is $1,700 ($1,600 if registered before May 18, 2018). Registration and payment must be received by June 4, 2018.

Cancellation Policy
A processing fee of $100 will be charged for cancellation until/on June 11, 2018.

For More Information
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