Hotel Information

Each participant is responsible for making his/her hotel reservation.

Aloft Bolingbrook
500 Janes Avenue
Bolingbrook, IL 60440
(800) GO-ALOFT or (630) 410-6367

The rate is $85.00 per night for a standard room. When making your reservation, inform the hotel that you will be attending the ANL/DOE ASME Training Course. The hotel reservation deadline is **February 25, 2013**.

Class will be held in
Conference Room
D-120 Bldg. 203

Maps to Conference Center:
http://www.dis.anl.gov/maps/maps.html

Tracey Stancik
Bldg. 201, Rm. 2S-06
Argonne National Laboratory
9700 South Cass Ave.
Argonne IL 60439

EM Environmental Management
safety ❖ performance ❖ cleanup ❖ closure

DOE Packaging Certification Program
Office of Packaging and Transportation (EM-33)

Training Course:

Application of the ASME Code to Radioactive Material Transportation Packaging

March 26-28, 2013

Argonne National Laboratory
Argonne, Illinois

Announcement also available at:
http://www.dis.anl.gov/conferences/asme/info.html

Argonne NATIONAL LABORATORY

U.S. DEPARTMENT OF ENERGY

Description

The goal of the course is to provide guidance for the application of the ASME Boiler & Pressure Vessel (B&PV) Code to packaging for the transportation of high-level radioactive materials or fissile materials. The course objective is to facilitate the design, fabrication, examination, and testing of a packaging that meets all the applicable ASME Code requirements and all the governing federal requirements and regulations.

The course will provide insight on the DOE/NRC packaging certification process. Examples will be drawn from real-world applications.

The target audience is DOE and contractors, other agency personnel, and commercial packaging engineering employees. Those responsible for designing, fabricating, or evaluating Type B or fissile material packaging, as well as preparing or reviewing the associated safety analysis reports, will also benefit.

Staff

Zenghu Han	Training Course Director
Yung Liu	SARP Review Group Manager
Sharon Ryan	Training Course Administrator
Bud Fabian	Quality Assurance Engineer
Jie Li	Chemical Engineer
Ron Pope	Mechanical Engineer
Vik Shah	Mechanical Engineer
Brent Shelton	Mechanical Engineer
Shiu-Wing Tam	Materials Engineer
William Toter	Welding Engineer

Guest Lecturers

Savannah River National Laboratory
Lawrence Gelder Technical Advisor

Nuclear Regulatory Commission
Gordon Bjorkman Senior Technical Advisor
Kim Hardin Senior Project Manager
Spent Fuel Storage and Transportation Division

Agenda

Tuesday, Wednesday, and Thursday
8:00 a.m. – 5:00 p.m.

This is a classroom course, last given in March 2011 for the 12th time. It consists of technical presentations, discussions, examples, and problem solving with emphasis on understanding the regulatory basis, current design practice, and engineering rationale for applying the ASME Code to packaging for transportation of radioactive materials. Course highlights include lectures on the following:

- Overview of federal regulations that govern transportation packaging for radioactive materials
- Overview of DOE Orders and NRC guidance documents, including regulatory guides
- General background and structure of the Code, with emphasis on Section III, Division 3, *Containments for Transportation and Storage of Spent Nuclear Fuel and High Level Radioactive Material and Waste*, including discussion of Section III, Division 1 and Section VIII, Division 1
- Current activities in the NUPACK Code, including strain-based criteria
- Code and non-code structural materials, containment loading and design with emphasis on design-by-analysis rules, significance of stress limits, bolt stress analysis, behavior of bolted closure, thermal stress analysis, design for hypothetical accident conditions, and brittle fracture protection
- Design of containment internal support structures, buckling analysis, including Code Case N-284
- Fabrication, weld examination and test requirements, and quality assurance
- Design qualification by physical testing, containment requirements for leakage rates
- Solution of problems to illustrate the Code application

Course Material

All participants will receive a copy of the course instruction visuals, which are based on the ASME B&PV Code; selected key references; as well as an examination for Certificate of Completion for the ASME Code Training Course.

Registration

Application of the ASME Code to Radioactive Material Packaging

March 26-28, 2013

Argonne National Laboratory
9700 South Cass Ave.
Argonne, IL 60439

The registration fee for this course is $800 ($700 if registered before **February 25, 2013**). Checks should be made payable to Argonne National Laboratory (credit cards accepted). The number of participants is limited to 24. Registration must be received by **March 12, 2013**. The participant list is subject to approval by DOE.

To register on-line, please visit
http://www.dis.anl.gov/conferences/asme/info.html

Make check payable to: Argonne National Laboratory and send to:

Tracey Stancik
Argonne National Laboratory
9700 South Cass Ave.
Bldg. 201, Rm. 2Q-06
Argonne IL 60439
Phone: (630) 252-5587
E-mail: tstancik@anl.gov

Cancellation policy: A processing fee of $100 will be charged for cancellation until/on March 19, 2013. No refund will be issued after March 20, 2013.