

How to Register

Applicants are encouraged to register electronically and register early for sessions. Some sessions fill early and seats are limited in other cases. Therefore, early registration is highly encouraged.

For non-US citizen attendees for our very popular Las Vegas training course sessions, we organize a tour of the DOE/NNSA's Nevada National Security Site. (TOUR IS NOT OPEN TO MEMBERS OF THE GENERAL PUBLIC.) Early registration for the tour is critical and is recommended even before your training course registration. Please contact the TC Director if there are questions. Other sessions involving tours are likely to be handled differently – so please check the website or registration page for details. A course description, news on future sessions, registration form and additional details are available at the website:

<http://www.dd.anl.gov/ddtraining/>

Training Course Director

Lawrence E. Boing

Argonne National Laboratory

EOF Division/Decommissioning Training Course

9700 South Cass Avenue, Building 208

Argonne, IL 60439

630-252-6729 (phone)

630-252-7577 (fax)

The training course registration fee can be paid by check or most major credit cards. Checks should be made payable to Argonne National Laboratory and sent to the Training Course Director. The registration fee or proof of forthcoming payment must be received prior to the course. For additional payment options, please contact the TC director.

For more information, visit

www.dd.anl.gov/ddtraining/

• • • • •

Training the world
decommissioning community

• • • • •

Check our website for detailed information on
upcoming training courses



Why Argonne National Laboratory?

Over the last 40+ years, the Decommissioning Program of Argonne National Laboratory has successfully decommissioned numerous nuclear and radiological facilities including:

- 4 research reactors (a 100 MW BWR prototype, a 5 MW heavy water reactor, a smaller 250 kW biological irradiation facility and a small 10 kW research reactor)
- A suite of 61 plutonium glove boxes located in nine research labs
- A 60" cyclotron facility
- A fuels fabrication facility
- A hot cell facility
- Several smaller non-reactor (waste management) radiological facilities

Argonne National Laboratory conducted extensive decontamination work on five hot cells formerly used in the U.S. Navy Proof-of-Breeding program. The CP-5 research reactor facility at Argonne was selected to serve as a DOE test bed for the evaluation of select technologies to ascertain their value in performing future decommissioning projects. Also, the staff at Argonne lends support to other DOE, NRC or other regulated sites in decommissioning. Argonne National Laboratory is actively involved in international decommissioning activities and groups engaged in these types of nuclear fuel cycle work.



U.S. DEPARTMENT OF
ENERGY

Argonne National Laboratory is a U.S. Department of Energy laboratory managed by UChicago Argonne, LLC.



A Training Course on

Facility Decommissioning



Organized by:

Argonne National Laboratory

www.dd.anl.gov/ddtraining/

All facility types included



Argonne National Laboratory is offering its popular **Facility Decommissioning Training Course**. A registration fee is required to attend and participate in the training course. Background information, a course description and registration form are available at www.dd.anl.gov/ddtraining. Applicants are highly encouraged to register electronically. Early registration is recommended due to the limited class size.

Purpose of the Course

The purpose of the course is to:

- 1) Provide information on the basic steps in the decommissioning process,
 - 2) Impart lessons learned from past experience in decommissioning.
- Elements included in the D&D training course will assist in decision making and planning, and implementation associated with decommissioning. A major objective of this training course is to demonstrate the need for early and thorough project planning to achieve safe and cost effective decommissioning.

Target Audience

The target audience for the D&D Training Course is personnel responsible for decommissioning nuclear facilities. Staff from utility companies, universities, reactor and other operational facility management, waste management staff, procurement officials, regulators, decommissioning technology developers and providers, oversight groups, DOE & DoD staff, radioisotope and radio-pharmaceutical research facilities/production facilities, and consulting and engineering firms. The material is directly relevant to the decommissioning of any type or size facility.

Instructors

Argonne Decommissioning Program experts are joined by other decommissioning subject matter experts. The seasoned decommissioning professionals are real decommissioning 'doers' including: management of decommissioning firms, subject matter experts, professional engineers, certified health physicists, D&D program managers, D&D project managers, staff members and technologists.

Course Outline

Background information

- Objectives and overview of the course
- U.S. experiences in decommissioning

Regulatory aspects of decommissioning

- Safety and radiation protection criteria in decommissioning
- Use of a graded approach for smaller facilities
- Regulatory requirements and expectations

Responsibilities and functions of the parties involved

- Licensee
- Regulatory body
- Other involved parties

Planning a decommissioning project

- Facility shutdown/surveillance and maintenance
- Facility characterization
- Assessment of alternative strategies
- Preliminary and detailed planning

Waste Management

- Assessment of amounts and characteristics of decommissioning waste
- Procedures for conditioning, packaging, storage, transport and disposal
- Compliance with radioactive waste management
- Standards and disposal site requirements
- Recycling/reuse of decommissioning materials
- Waste minimization/pollution prevention

Decontamination

- Need for and extent of decontamination
- Chemical and non-chemical decontamination techniques

Dismantling

- Metal cutting techniques
- Concrete removal
- Intact removal of large components
- Remotely-controlled operations
- Selection of optimal technique

Financial planning

- Elements of decommissioning costs
- Cost estimating guidelines
- Financing approaches

Environment safety and health issues

- Environment safety and health
- Unexpected occurrences
- Environmental issues
- Security

Management of a decommissioning project

- Organization and staffing
- Training
- Quality assurance/quality control
- Record keeping and reporting

Completion of a decommissioning project

- Post-decommissioning survey final reports
- License termination

Decommissioning of nuclear labs & other facilities

- Case studies on decommissioning
- Evolving technologies for decommissioning
- Technical visit to a facility undergoing decommissioning (as available)

Each participant will receive copies of valuable resources for use in understanding the decommissioning process and will be given a select reading list of other information sources.

Vendor/Poster Exhibit Area

During the training course, an area adjacent to the lecture room will be available for exhibits and the display of material from decommissioning vendors. A poster exhibit area will be designated for stand-alone displays from other organizations. Vendors will be charged a fee to cover overhead and set up expenses. All shipping costs are the responsibility of the individual vendor.

Samples of decommissioning and related technical publications will be available in the display area. Items include material from various technical and topical publications and membership and subscription materials from professional societies.

Decommissioning Certificate Program

A certification program is being offered jointly by Argonne National Laboratory and Oak Ridge Associated Universities (ORAU). The purpose of this Decommissioning Certificate Program is to provide a formal means to document that an individual has achieved a baseline level of training in the subject of facility/site decommissioning. Participants are not required to pre-register to participate in the program..

http://www.dd.anl.gov/ddtraining/certificate_program.html