
SPECIAL PROJECTS/INFORMATION EXCHANGES

D&D Special Projects Group



A 12-person delegation from RF Gosatomnadzor attended a two-week training course at ANL-E on *Decommissioning of Research Reactors and Other Fuel Cycle Facilities*. Organized and coordinated by the ANL-E D&D Special Projects Group, this activity was funded by the U.S. Department of Energy Office of the Assistant Secretary for Nuclear Energy (DOE-NE) through the Pacific Northwest National Laboratory (PNNL) International Nuclear Safety Program. After attending one week of classroom-type lectures on the entire decommissioning process, the delegation visited ongoing decommissioning projects at ANL-E and at PNNL in Hanford WA.

D&D Special Projects Group



The D&D Special Projects group is investigating various opportunities in pollution prevention/waste minimization in the specific area of decommissioning. Studies and information exchanges have resulted in two documents, the *Waste Minimization Handbook* completed in late 1996 and the recently completed *Sixty-Inch Cyclotron - Evaluation of Alternative Disposal Options for Activated Carbon- Steel Materials*. The *Waste Minimization Handbook* has been well received by the technical community as a compilation of waste minimization techniques and technologies, and their state of utilization. The specific study on the ANL-E 60-inch Cyclotron's 265-ton carbon steel magnet yoke validated the feasibility of recycling the carbon steel versus shipping it to a DOE burial site.

D&D Special Projects Group

GAN of the Russian Federation

Special Projects staff members supported a “Quality Assurance (QA)” workshop held at GAN Headquarters in Moscow. This course, organized by the U.S. Department of Energy Office of the Assistant Secretary for Nuclear Energy (DOE-NE) through the ANL-E Division of Educational Programs, offered lectures on quality assurance in the decommissioning process.

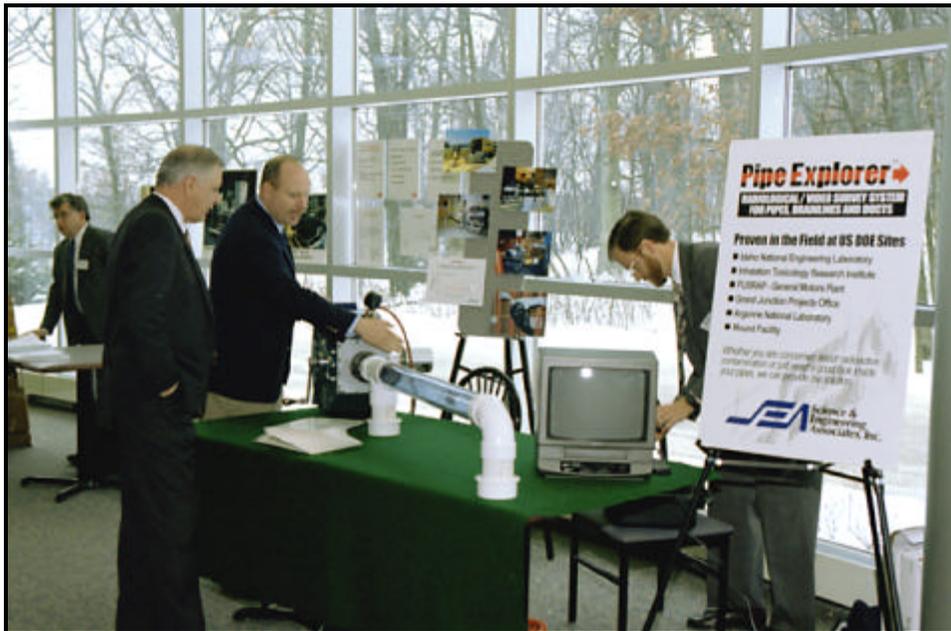
International Atomic Energy Agency (IAEA)

During the June IAEA Regional Training Course for European member countries (emphasizing Eastern Europe), the Special Projects group provided a lecturer who presented a set of three lectures on characterization of facilities prior to, during and after decommissioning. Attended by over 30 IAEA trainees, this set was one of only three given by non-Europeans.

Technical support by staff in the Special Projects Group was provided to the IAEA Decommissioning Unit for several ongoing activities. The first activity involved planning assistance for the decommissioning of the Salaspils research reactor in Latvia. In addition, technical assistance in the decommissioning of several Russian naval reactor prototype facilities was provided to Estonia.

A D&D Special Projects staff member assisted the IAEA Decommissioning Unit as it updates its *Decommissioning Technologies* technical document. This document will serve as a primer (together with a separate similar report on characterization) for countries facing first-time decommissioning projects.

Information Exchange - January 1997



Strategic Alliance for Environmental Restoration Technology Open House

Technologies being demonstrated at the CP-5 Research Reactor facility as part of the EM-50 Large Scale Demonstration Project were highlighted during the one-day open house. One hundred guests from the U.S. Department of Energy, industry, academe and other national laboratories saw 30 innovative technologies on display at the ANL-E Guest House and the CP-5 facility. Vendors and test engineers were available to discuss their technologies and test results.

Information Exchange - January 1997



Rita A. Bajura (Dir., DOE-FETC) and
Cherri J. Langenfeld (Mgr., DOE-CH)
receive briefing on Field
Transportable Beta Counting System



DOE-HQ officials Gerald G. Boyd (EM-50) and
James J. Fiore (EM-40) receive briefing on Wall
Walker technology

Information Exchange - June 1997



Secretary Peña visits ANL-E

As part of his first visit to the ANL-E site, U.S. Energy Secretary Federico Peña toured the CP-5 Reactor facility. As Manager of DOE Chicago Operations Cherril Langenfeld looked on, Secretary Peña received a briefing on the Dual Arm Work Platform (DAWP) from Mark Noakes of Oak Ridge National Laboratory. The DAWP was designed through a partnership involving Oak Ridge National Laboratory, Oak Ridge TN; Schilling Robotic Systems, Inc., Davis CA; and RedZone Robotics, Inc., Pittsburgh PA.

Information Exchange - June 1997



After receiving an overview of the CP-5 D&D Program from Technology Division Associate Director Samit Bhattacharyya, Secretary Peña moves to the CP-5 observation window to see the project first hand.

Information Exchanges - FY 1997

Community Leaders' Roundtable

Local government and community leaders meet periodically with ANL-E and U.S. Department of Energy representatives to discuss topics covering a wide range of issues, including the environment, education and the economy. In July, the Roundtable provided the ideal forum for providing a report to stakeholders on the ANL-E D&D Program.

Tours of the CP-5 Research Reactor Facility

Approximately 400 people toured the CP-5 Research Reactor facility in FY 1997 to see first-hand the innovative technologies being used as part of the ongoing decontamination and decommissioning work. These technologies included Rosie the robot and the Dual Arm Work Platform (DAWP). Most noteworthy were the following groups:

January: 100 participants attending the Strategic Alliance for Environmental Restoration Technology Open House

June: 60 participants attending Exchange Monitor Publication's Fourth Annual Decommissioning Decisionmaker's Forum being held at the Argonne Conference Center

July: 80 members of Commonwealth Edison Corporate Services

July: Personnel from the National Institute of Science and Technology (NIST) reactor project

August: OSHA auditors attending a training session at ANL-E
