

Progress to Cleanup

A status report on cleanup activities at the
Idaho National Engineering and Environmental Laboratory

Idaho Completion Project

Bechtel BWXT Idaho, LLC

Strategic Initiative 1 - Accelerate Tank Farm Closure

Key Milestone

- Complete cleaning and grouting of first pillar and panel vaulted tank by September 2003 - *Cleaned three tanks in lieu of grouting and cleaning of fourth tank underway.*

Government Furnished Services and Items

- Waste Incidental to Reprocessing Determination issued for liquid sodium-bearing waste and tank solids by October 2002 (DOE-ID manager) - *On hold pending litigation results.*
- Idaho High-Level Waste and Facilities Disposition Environmental Impact Statement Record of Decision is issued by February 2003 - *Issuance of ROD is being held pending waste incidental to reprocessing litigation development.*

Strategic Initiative 2 - Accelerate High-Level Waste Calcine Removal from Idaho

Key Milestone

- Complete characterization analysis of bin set 2 calcine samples by September 2003 - *Samples from bin set 2 are currently at the lab for analysis. The samples are being characterized for the permit application and waste acceptance at Yucca Mountain.*

Strategic Initiative 3 - Accelerate Consolidation of Spent Nuclear Fuel to the Idaho Nuclear Technology and Engineering Center

Key Milestones

- Complete transfer of all spent nuclear fuel from the Power Burst Facility pool to INTEC and store in the Irradiated Fuel Storage Facility by December 2003 - *Transfers of fuel have been made from PBF to INTEC.*

Government Furnished Services and Items

- Decision issued on transfer of sodium-bonded fuels (Experimental Breeder Reactor-II) by September 2003 (EM-1) - *NE-ID SNF Team is working directly with NE/ANL-W for an agreement on this activity.*
- Disposition path identified for Fermi blanket sodium-bonded fuel by TBD (EM-1) - *This is being worked by the SNF corporate project team. The team is proposing tests to determine if treatment is required prior to disposal.*

Strategic Initiative 4 - Accelerate Off-Site Shipments of Transuranic Waste Stored in the Transuranic Waste Storage Area

Key Milestones

Contact-Handled Transuranic Waste

- Complete Waste Isolation Pilot Plant certification of the Advanced Mixed Waste Treatment Project retrieval operations by March 2003 - *Initial WIPP certification audit was conducted the week of August 18. A revisit occurred in October 2003. Expect to receive certification in December 2003.*
- Initiate Advanced Mixed Waste Treatment Project treatment operations by October 2003 - *Operation startup planned for late calendar year 2004.*

Remote-Handled Transuranic Waste

- Complete initial acceptable knowledge development on remote-handled transuranic waste supporting waste characterization in 2002 - *Acceptable knowledge reports were completed and transmitted to DOE-Idaho in August 2003.*
- Complete technical strategy document and Critical Decision 0 for mission need by September 2003 - *Draft mission need document was delivered to DOE-Idaho for review in September 2003. Technical strategy document will be deferred to FY-2004 and incorporated in the feasibility document.*

Government Furnished Services and Items

- Establish Waste Isolation Pilot Plant waste acceptance criteria for remote-handled transuranic waste using acceptable knowledge as the basis for waste characterization by May 2003 (EM-1) - *DOE-Carlsbad Field Office continues to pursue permit modification for remote-handled transuranic waste, expected in early 2004.*

Strategic Initiative 5 - Accelerate Remediation of Miscellaneous Contaminated Areas

Key Milestone

- Complete remediation of Central Facilities Area (WAG 4) by September 2004 - *The first soil remediation of the Central Facilities Area Mercury Pond was placed in the INEEL CERCLA Disposal Facility in September and placement was completed in October 2003.*
- Complete remediation of Auxiliary Reactor Area and Power Burst Facility areas (Waste Area Group 5) by September 2004 - *Completed first of two cleanup phases at ARA. On schedule to complete all active remediation in FY 2004.*



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Strategic Initiative 5 - Accelerate Remediation of Miscellaneous Contaminated Areas (cont.)

Government Furnished Services and Items

- Critical Decision 4 approval to start operations of the INEEL CERCLA Disposal Facility by March 2003 (DOE-ID Manager) - *Operations started September 2003.*
- Issue Record of Decision amendment for Test Area North V-tanks by TBD (DOE-ID manager) - *Expect the Record of Decision in December 2003. Public comment period has concluded and the Record of Decision amendment is in regulatory review.*

Strategic Initiative 6 - Eliminate On-Site Treatment and Disposal of Low-Level and Mixed Low-Level Waste

Key Milestone

- Remove all mixed low-level waste from the Waste Reduction Operations Complex by the end of 2003 - *All legacy mixed low-level waste containers have been removed from WROC.*
- Complete treatment of 807 cubic meters of containerized legacy mixed waste by September 2003 - *903 cubic meters of containerized legacy mixed waste have been dispositioned.*

Government Furnished Services and Items

- Off-site disposal is available for mixed low-level waste by the start of FY 2004 (EM-1) - *Off-site disposal capacity is unlikely to occur before late 2005 or early 2006, but no significant impact is expected.*

Strategic Initiative 7 - Transfer all EM-Managed Special Nuclear Material Off-Site

Key Milestone

- Complete disposition plan including shipping schedule to other sites by September 2003 - *Disposition plan has been completed and was effective as of July 2003.*

Government Furnished Services and Items

- Decision issued on disposition of all EM-managed unirradiated spent nuclear material located at the INEEL by September 2003 - *Disposition path has been identified for 70 percent of the material.*
- Decision issued on transfer of storage building ownership, with contents, to another program by September 2003 (EM-1) - *Discussions continue regarding long-term use of the facilities and transfer of facilities to other programs.*

Strategic Initiative 8 - Remediate Buried Waste in the Radioactive Waste Management Complex

Key Milestone

- Complete glovebox excavator method excavation by October 1, 2004 - *Construction on facility is completed. Retrieval operations will start in December 2003.*

Government Furnished Services and Items

- Critical Decision 4 approval to proceed to the operations phase of the glovebox excavator method project on or before March 2004 (DOE-ID Manager) - *DOE-Idaho is ready to perform the necessary start-up evaluations.*

Strategic Initiative 9 - Accelerate Consolidation of INEEL Facilities and Reduce Footprint

Key Milestone

- Complete consolidation and reconfiguration of Test Area North by September 2004 - *Making progress towards the development of consolidation and reconfiguration plans to meet the September 2004 milestone. Isolated TAN-601 from TAN-602. Isolation of LOFT from SMC is in progress.*
- Complete consolidation and reconfiguration of Waste Reduction Operations Complex/Power Burst Facility area by the end of September 2004 - *Completed turnover of PBF area facilities to Nuclear Energy for use in the Critical Infrastructure Test Range. Permit approval for RCRA closure of several waste storage facilities underway.*



The last spent fuel was transferred from the Power Burst Facility to dry storage on September 19, three months ahead of schedule.

