Progress to Cleanup

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



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 - Additional tanks are being washed in lieu of grouting. Tanks WM-181 and 182 have been washed, proceeding with cleaning remaining pillar and panel vaulted tanks (WM-184, WM-185, and WM-186)

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 July 2, Judge B. Lynn Windmill ruled that the WIR evaluation process in DOE Order 435.1 was invalid. DOE is considering its options at this time.
- Idaho High-Level Waste and Facilities Disposition Environmental Impact Statement Record of Decision is issued by February 2003 - *Record of Decision still at DOE-HQ.*

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 - Sampling of calcine is underway. The calcine being sampled is an aluminum, zirconium and sodium blend from a campaign that was done in the 1970s.

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 - 10 of 28 transfers of fuel have been made PBF to INTEC. Currently on schedule to complete by December.

Government Furnished Services and Items

- Decision issued on transfer of sodium-bonded fuels (Experimental Breeder Reactor-II) by September 2003 (EM-1) - *This is being worked by the SNF corporate project team to evaluate options and provide recommendations to EM management by September* 2003.
- Disposition path identified for Fermi blanket sodiumbonded fuel by TBD (EM-1) - This is being worked by the SNF corporate project team to evaluate options and provide recommendations to EM management by September 2003.

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 - DOE-Carlsbad Field Office will be performing the certification audit in August.



- 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 will be finalized in August.*
- Complete technical strategy document and Critical Decision 0 for mission need by 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 - Soil is being excavated from CFA-04 Mercury Pond for placement in CFA landfill. Soil excavation for placement in ICDF is planned to be complete by October 2003.
- Complete remediation of Auxiliary Reactor Area and Power Burst Facility areas (Waste Area Group 5) by September 2004 - *Remediation is underway, expect to be completed by September 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) *ICDF subcontract awarded in June to a team led by S.M. Stoller Corporation, operations set to start in September.*
- Issue Record of Decision amendment for Test Area North V-tanks by TBD(DOE-ID manager) - Agencies are reviewing and incorporating public comments. Anticipate issuing amendment to the Record of Decision in December 2003.

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 - *The mixed waste storage facility has been emptied and the remaining storage areas are on schedule to be emptied to meet the milestone.*
- Complete treatment of 807 cubic meters of containerized legacy mixed waste by September 2003 *Disposed of 652 cubic meters of mixed low-level waste in the past two years. On track to meet the milestone.*

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 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 path has been identified for 70 percent of the material.*

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.*

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 this fall.*

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)
Ahead of schedule. Planning for fall 2003 start up (CD-4).





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*
- Complete consolidation and reconfiguration of Waste Reduction Operations Complex/Power Burst Facility area by the end of September 2004 - *Completed negotiations for 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.*

