

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

Government Furnished Services and Items

- Disposal facility available for waste retrieved from the Pit 9 demonstration retrieval by April 2003 (DOE-ID Manager) -- *Planning to store at RWMC while working with CBFO on ultimate acceptance at WIPP*
- 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 startup (CD-4)*



Construction of the weather enclosure at the glovebox excavator project was completed in November 2002.

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

Government Furnished Services and Items

- Complete agreements with Test Reactor Area and Specific Manufacturing Capability sponsors by the end of September 2003 (DOE-ID Manager) -- *Transition to Nuclear Energy is ongoing. Building ownership has been well defined at both SMC and Test Reactor Area. No formal agreements are anticipated at this time*

Look Forward

- Continue focus to reduce EM footprint site-wide by consolidating and reconfiguring Test Area North and the Waste Reduction Operations Complex/Power Burst Facility by September 2004



Construction continues on the Glovebox Excavator Method project. This photo shows the inside of the weather enclosure.

Strategic Initiative 1 - Accelerate Tank Farm Closure

Key Milestone

- Submit Critical Decision-0, justification of mission need by September 2002-- **Complete**
- Complete cleaning and grouting of first pillar and panel vaulted tank by September 2003 -- *Completed cleaning of first pillar and panel vaulted tank (WM-182) and cleaning of second pillar and panel vaulted tank (WM-183) is underway. Approval to proceed with grouting of tanks is pending Waste Incidental to Reprocessing determination and EIS record of decision*

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) -- *All Nuclear Regulatory Commission reviews and determination paperwork for sodium-bearing waste waste incidental to reprocessing determination are complete. Awaiting HQ concurrence for signature by DOE-ID. NRC review for tank farm residuals is expected to be completed by spring 2003*
- Idaho High-Level Waste and Facilities Disposition Environmental Impact Statement Record of Decision is issued by February 2003 -- *The draft record of decision is in review at DOE-Headquarters.*
- Government approval of design and build approach for sodium-bearing waste and tank solids processing by TBD. (EM-1) -- *The mission need approval package (CD-0) is in its final stages of revision prior to requesting acquisition executive approval (Deputy Secretary)*

Additional Status

- Resolved dispute with regulators on tank farm soils interim action

Look Forward

- Prepare conceptual design on options for sodium-bearing waste treatment.
- Implement protective actions on the tank farm soils per dispute resolution
- Prepare to grout first and second pillar and panel vaulted tanks this summer after receiving authorization to proceed
- Proceed with cleaning of additional tank farm tanks (WM-185, WM-186, and WM-184)



Tank cleaning is underway at the tank farm. To date, cleaning has been very effective on removing the materials from the tanks.

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 D Cell calcine is scheduled for May 2003. Logistical activities for sampling are progressing ahead of schedule*

Look Forward

- Continue working with regulatory agencies and stakeholders on path forward for calcine disposition

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 --*Plan to initiate receipts of Power Burst Facility spent nuclear fuel at Idaho Nuclear Technology and Engineering Center in April 2003*

Government Furnished Services and Items

- Decision issued on transfer of sodium-bonded fuels (Experimental Breeder Reactor-II) by September 2003 (EM-1) -- *Discussions continue with the HQ project team*
- Disposition path identified for Fermi blanket sodium-bonded fuel by TBD (EM-1) -- *Discussions continue with the HQ project team*

Progress to Cleanup

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

Idaho
Completion
Project

Additional Status

- Completed 20 of 28 planned Advanced Test Reactor shipments to Idaho Nuclear Technology and Engineering Center
- Providing responses to Nuclear Regulatory Commission for additional information on Foster Wheeler Spent Nuclear Fuel Dry Storage Project

Look Forward

- Complete 28 of 28 planned Advanced Test Reactor shipments in May 2003
- Complete transfer of Power Burst Facility spent nuclear fuel to Idaho Nuclear Technology and Engineering Center in December 2003

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

Key Milestones

- Complete construction of Advanced Mixed Waste Treatment Project facility by Dec. 31, 2002 - **Completed**
- Complete transition of selected transuranic waste management facilities and equipment to the Advanced Mixed Waste Treatment Project by January 2003 - **Completed**
- Complete Waste Isolation Pilot Plant transportation certification of the Advanced Mixed Waste Treatment Project retrieval operations and begin shipping by March 2003 -- *Project is working towards startup of retrieval, characterization and shipping operations by March 31, 2003*



A series of gloveboxes are in place at the Advanced Mixed Waste Treatment Facility. The project is working towards startup by the March 31, 2003 commitment with the state of Idaho.

- Complete initial acceptable knowledge development on remote-handled transuranic waste supporting waste characterization in 2002 -- *Acceptable knowledge reports will be finalized in May*

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 submitted a notice of proposed change to EPA for receipt and disposal of remote-handled transuranic waste on Dec. 16, 2002*

Look Forward

- Working towards startup of Advanced Mixed Waste Treatment Project treatment operations in 2004

Strategic Initiative 5 - Accelerate Remediation of Miscellaneous Contaminated Areas

Key Milestone

- Complete remediation of Auxiliary Reactor Area and Power Burst Facility areas (Waste Area Group 5) by September 2004 - *Field documentation is on schedule*

Government Furnished Services and Items

- Critical Decision 4 approval to start operations of the INEEL CERCLA Disposal Facility by March 2003 (DOE-ID Manager) -- *Working toward July 2003 startup (CD-4)*
- Decision issued defining path forward for ordnance remediation by TBD (DOE-ID manager) -- *Decision reached during January 2003. Remedial action preparations are underway*
- Decision issued for treatment and disposal of radioactive and PCB contaminated mixed waste by March 2003 (EM-1) -- *Narrowing in on preferred alternative for treatment of these INEEL waste streams*
- Issue Record of Decision amendment for Test Area North V-tanks by TBD (DOE-ID manager) -- *The proposed plan is scheduled to be released for public review in April 2003. Public meetings are also scheduled for April*

Progress to Cleanup

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Idaho
Completion
Project



Work is progressing on support buildings for the completed disposal cell and evaporation ponds at the INEEL CERCLA Disposal Facility complex near the Idaho Nuclear Technology and Engineering Center.

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

Key Milestone

- Complete treatment of 807 cubic meters of containerized legacy mixed waste by September 2003 -- *Disposed of 437 cubic meters of mixed low-level waste*

Government Furnished Services and Items

- Off-site disposal is available for mixed low-level waste by the start of FY 2004 (EM-1) -- *Efforts to bring capacity on-line are ongoing at the Nevada Test Site and Hanford*

Look Forward

- Remove all mixed low-level waste at the Waste Reduction Operations Complex by the end of FY 2003
- Complete all RCRA closure activities at the Waste Reduction Operations Complex by the end of FY 2004 and ship mixed low-level waste for treatment and disposal by end of 2004

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 -- *Discussions continue with HQ project team to identify best disposition alternative*

Government Furnished Services and Items

- Decision issued on disposition of all EM-managed unirradiated spent nuclear material located at the INEEL by Sep. 2003 -- *Discussions continue with HQ project team to identify best disposition alternative*
- Decision issued on transfer of storage building ownership, with contents, to another program by September 2003 (EM-1) -- *Discussions continue with HQ project team to identify best disposition alternative*
- Ensure continued National Nuclear Security Administration resources for packaging and shipment of the denitrator product by TBD (EM-1) -- *Discussions continue with HQ project team to identify best disposition alternative*

Look Forward

- Planning is ongoing to either transfer INEEL's EM-managed special nuclear material to new owner or ship off-site



The INEEL continues to make progress on removing the backlog of mixed low-level waste. The waste is shipped off-site for treatment and final disposal.