



Progress to Cleanup —

A status report on Environmental Management Accelerated Cleanup at the INEEL

Strategic Initiative 4.1 Accelerate Tank Farm Closure

- ⇒ Completed initial cleaning of the first tank with verification sampling and analysis in progress
- ⇒ Initiated cleaning of second tank in October 2002
- ⇒ Integration of tank closure with soils remediation discussions ongoing
- ⇒ Awaiting Headquarters legal strategy resolving Waste Incidental to Reprocessing determination for sodium-bearing waste

Look Forward

- ⇒ Preparing to grout first tank next summer after verifying analyses
- ⇒ Complete initial cleaning of second tank and draw verification samples in preparation for grouting in summer 2003
- ⇒ Launching conceptual design work for sodium-bearing waste treatment
- ⇒ Complete Nuclear Regulatory Commission review of tank farm residuals Waste Incidental to Reprocessing in spring 2003

Strategic Initiative 4.2 Accelerate High-Level Waste Calcine Removal from Idaho

- ⇒ Issued and distributed High-Level Waste Environmental Impact Statement during September 2002

Look Forward

- ⇒ Anticipate record of decision signature by end of calendar year in accordance with the milestone of February 2003
 - The record of decision supports high-level waste tank closure, allows sodium-bearing waste treatment project to move forward, and allows pursuit of calcine retrieval studies and interaction with Yucca Mountain on final waste form qualification
- ⇒ Begin working with regulatory agencies to finalize calcine characterization, treatment and permitting approaches

Strategic Initiative 4.3 Accelerate Consolidation of Spent Nuclear Fuel to the Idaho Nuclear Technology and Engineering Center

- ⇒ Completed transfer of spent nuclear fuel and debris stored in the canal at the Materials Test Reactor to dry storage at the Idaho Nuclear Technology and Engineering Center
- ⇒ Completed Loss of Fluid Test spent nuclear fuel campaign to remove fuel from basin at Test Area North to dry storage pad

Look Forward

- ⇒ Defuel Power Burst Facility pool by December 2003



Strategic Initiative 4.4 Accelerate Off-site Shipments of Transuranic Waste Stored in the Transuranic Waste Storage Area

- ⇒ **Completed the 3,100 cubic meters project on Oct. 21, 2002, 11 weeks ahead of schedule**
- ⇒ Completed 90% of construction as of October 8, 2002 on the Advanced Mixed Waste Treatment Project

Look Forward

- ⇒ Complete construction AMWTP before Dec. 31, 2002 Settlement Agreement milestone
- ⇒ Complete transition of selected facilities and equipment to AMWTP by January 2003
- ⇒ Begin DOE Operations Readiness Review prior to starting retrieval operations in February 2003
- ⇒ Anticipate initiating shipment operations by April 2003



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Strategic Initiative 4.5

Accelerate Remediation of Miscellaneous Contaminated Areas

- ⇒ Completed construction of INEEL CERCLA Disposal Facility Landfill Cell 1 and the evaporation pond
- ⇒ Completed engineered cap on old sewage treatment plant drain field (10 acres) at CFA during early November 2002

Look Forward

- ⇒ Complete construction of ICDF support facilities by spring 2003

Strategic Initiative 4.6

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

- ⇒ Removed approximately 460 containers, totaling 60 cubic meters of mixed low-level waste

Look Forward

- ⇒ Current plans call for all mixed low-level waste to be out of the Waste Reduction Operations Complex by the end of FY 2003 and all RCRA closure activities to be completed by the end of FY 2004



Low-level waste from SMC was shipped to the Nevada Test Site for disposal.

Strategic Initiative 4.7

Transfer all EM-Managed Special Nuclear Material Off-Site

- ⇒ Shipped seven drums of Special Nuclear Material to Oak Ridge during July 2002

Look Forward

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

Strategic Initiative 4.8

Remediate Buried Waste in the Radioactive Waste Management Complex

- ⇒ Glovebox Excavator Method project construction progress reached 83 percent for the week of October 21. The retrieval confinement structure is essentially complete, and work has started on the weather enclosure.

Look Forward

- ⇒ Continue training of operators for the GEM project
- ⇒ Complete structural construction by the end of November 2002
- ⇒ First glovebox to be delivered in January 2003



Construction of the retrieval confinement structure at Pit 9 is nearing completion. Construction on the weather enclosure is underway.

Strategic Initiative 4.9

Accelerate Consolidation of INEEL Facilities and Reduce Footprint

- ⇒ Dismantled Test Area North-615 maintenance shop
- ⇒ Made significant progress toward removing piping and tanks as part of the deactivating and dismantling of the Test Area North-616 waste processing building

Look Forward

- ⇒ Continue focus to reduce EM footprint at CFA and TAN by inactivating or dismantling up to 18 buildings



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Performance Management Plan Document Status

⇒ Change request submitted to DOE-Headquarters to update funding profile

Performance Management Plan Implementation

⇒ Detailed work planning on-going for life-cycle baseline as outlined in plan, expected completion date of Jan. 31, 2003

Key Milestones	Status
Submit Critical Decision-0: justification of mission need by September 2002 (<i>for treatment approach for sodium-bearing waste</i>)	Complete. Critical Decision Justification submitted.
Empty the five pillar and panel vaulted tanks by June 2003	Complete. Milestone met 18 months ahead of schedule.
Complete transfer of all spent nuclear fuel from the Test Area North pool to existing dry storage casks on a storage pad by September 2002	Complete. Milestone was met one year ahead of schedule.
Complete transfer, dry, and store all spent nuclear fuel from the Materials Test Reactor canal to the Idaho Nuclear Technology and Engineering Center in the Irradiated Fuel Storage Facility by December 2002	Complete. Milestone was met three months ahead of schedule.
Complete shipment of 3,100 cubic meters of transuranic waste to the Waste Isolation Pilot Plant by December 31, 2002	Complete. Milestone was met 11 weeks ahead of schedule.
Complete construction of the Advanced Mixed Waste Treatment Project by December 2002	On schedule to meet milestone.
Complete transition of selected transuranic waste management facilities and equipment to the Advanced Mixed Waste Treatment Project by January 2003	On schedule to meet milestone.
Initiate Advanced Mixed Waste Treatment Project shipment operations by March 2003	Anticipate authorization to initiate retrieval and characterization operations by March 31, 2003
Complete Waste Isolation Pilot Plant certification of the Advanced Mixed Waste Treatment Project retrieval operations by March 2003	Working with Waste Isolation Pilot Plant on schedule for certification audits.
Complete initial acceptable knowledge development on remote-handled transuranic waste supporting waste characterization in 2002	Working with Argonne National Laboratory-East on acceptable knowledge methodology documentation. The methodology will undergo Carlsbad Area Office peer review and issue resolution in early 2003.
Inactivate 34 EM buildings by the end of September 2002	Complete. 43 buildings inactivated.
Initiate a footprint consolidation and reduction project with approved project execution plan by the end of September 2002	Project execution plan deliverable was met and discussions are underway to pursue further acceleration.
Initiate a long-term stewardship project with approved project execution plan by the end of September 2002	Complete. Milestone was met.
Complete INEEL laboratory consolidation and services analysis and make recommendation by the end of September 2002	Recommendations were completed and discussions are ongoing toward finalizing the approach.



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Government Furnished Services and Items	Status
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 incidental to reprocessing determination is complete. Awaiting HQ concurrence for signature by DOE-ID. NRC review of tank farm residuals waste incidental to reprocessing determination expected to be completed by spring 2003.
Critical Decision 2/3 to support procurement of long-lead time items and mechanical/ electrical/facility construction for the glovebox excavator method project on or before August 2002 (DOE-ID Manager)	Complete. Milestone was met.
Critical Decision 4 approval to start operations of the INEEL CERCLA Disposal Facility by March 2003 (DOE-ID Manager)	Targeting being operational by May 2003 with actual waste placement in July 2003.
Disposal facility available for waste retrieved from the Pit 9 demonstration retrieval by April 2003 (DOE-ID Manager)	Onsite interim storage facility available. Working with the Waste Isolation Pilot Plant on expediting disposal.
Idaho High-Level Waste and Facilities Disposition Environmental Impact Statement Record of Decision is issued by February 2003 (EM-1)	Activities are underway to meet this milestone.
Decision issued for treatment and disposal of radioactive and PCB contaminated mixed waste by March 2003 (EM-1)	Narrowing in on a preferred alternative for the treatment of the v-tank waste. Will go through the CERCLA decision process in the next year.
Determine INEEL D&D disposal path forward by the end of September 2002 (DOE-ID Manager)	Complete. Milestone was met.
Complete R2A2s (roles, responsibilities, authorities, and accountabilities) for key positions in September 2002 (DOE-ID Manager)	Complete. Milestone was met.
Complete contract strategy for EM scope of work by September 2002 (DOE-ID Manager)	Contract strategy approaches are under development and discussions are ongoing with appropriate DOE-HQ participants.
Provide increased authority for the contractor relative to workforce management/ administration in November 2002 (DOE-ID Manager)	Complete. Milestone was met.