

Environmental Management's Monthly Report to the CAB August 2009

Low-Level Waste (LLW)

Activities (July)

- The LLW Sub-Project conducted two facility surveys of Argonne National Laboratory (ANL) and Lawrence Livermore National Laboratories (LLNL). ANL had two observations and LLNL had four observations. These observations were minor and will be addressed over the next 60-days.
- As of July 26, 2009, the cumulative LLW volume received for FY 2009 is 919,437 ft³ in 1,045 shipments. The cumulative mixed low-level waste (MLLW) volume received for FY 2009 is 36,698 ft³ in 68 shipments. LLW Operations has worked 462,648 hours since its last lost-time accident (September 2003).
- On July 14, 2009, the Sub-Project submitted the Corrective Actions Decision Document/Corrective Action Plan for closing the first 92-Acres of the Area 5 Radioactive Waste Management Site to the Nevada Division of Environmental Protection (NDEP). The NDEP is reviewing the document

Planned Activities (August)

- Expect to receive approximately 130,000 ft³ of LLW and MLLW for disposal during the month.
- The LLW Sub-Project plans to conduct three (3) Radioactive Waste Acceptance Program impromptu facility surveillances and one (1) assist visit. The assist visit will be at Idaho.

Transuranic Waste (TRU)

Activities (July)

- On July 9, 2009, the final shipment of legacy TRU waste was completed. A total of 65 off-site shipments were made. Forty-nine shipments were made directly to the Waste Isolation Pilot Plant and 17 shipments were made to Idaho National Laboratory.
- On July 14, 2009, NSO sent a letter to NDEP informing them that the final Site Treatment Plan milestone had been met as a result of the final shipment on July 9, 2009.
- On July 29, 2009, NSO submit the TRU Project Closeout Report to HQ for approval.

Underground Test Area (UGTA)

Activities (July)

- Frenchman Flat
 - Conducted final computer runs for the flow and transport model. Information from these computer runs will be used in the Flow and Transport model report.
- Pahute Mesa
 - Completed installation of production casing and stemming of the ER-20-7 well.
 - Completed construction of the ER-20-8 conductor hole, mobilized drill rig and drilling support equipment and portable facilities from the ER-20-7 site to the ER-20-8 site. Began drilling the ER-20-8 well on 07/12/09. Contamination was encountered in the Benham aquifer and work is underway to set casing and seal off the aquifer. Once that is completed drilling will commence.
 - Well ER-20-7 reached a total depth of 2,362 feet with preparations ongoing to run geophysical logging services at this depth. Completed construction of the ER-EC-11 access road, drill pad and sumps except for installation of the liner in the large sump.

- Began construction of the ER-EC-11 conductor hole. The 30 inch conductor casing has been set and cemented at a depth of 106 feet and the “rat” and “mouse” holes are currently being drilled.
- Yucca Flat
 - Nothing new to report.
- Rainier Mesa/Shoshone Mountain
 - Nothing new to report.

Planned Activities (August)

- Frenchman Flat
 - Nothing new to report.
- Pahute Mesa
 - Complete construction of the ER-20-8 investigation well is expected.
 - Complete construction of the conductor hole and lining the sump at the ER-EC-11 site.
 - Move drilling equipment from the ER-20-8 site to the ER-EC-11 investigation well site and begin mainhole construction activities.
 - Finalize and distribute the Phase II Well Drilling Criteria Report.
 - Continue working on the Well Completion Report for Well ER-20-7.
- Yucca Flat
 - Nothing new to report.
- Rainier Mesa/Shoshone Mountain
 - Initiate flow model analysis and evaluation.

Industrial Sites:

Accomplishments (July)

- Corrective Action Unit 111, Area 5 Waste Management Disposal (WMD) Retired Mixed Waste Pits
 - Submitted Final Corrective Action Decision Document (CADD)/Corrective Action Plan (CAP) to Nevada Division of Environmental Protection
- CAU 116, Area 25 Test Cell C Facility
 - Continued closure field work
- CAU 134, Aboveground Storage Tanks
 - Received approval from NDEP for Final Closure Report (CR)
- CAU 408, Bomblet Target Area (Tonopah Test Range - TTR)
 - Began field remediation activities
- CAU 560, Septic Systems
 - Performed Field Work and Waste Management activities
- CAU 562, Waste Systems
 - Performed Waste Management activities

Planned (August)

- CAU 114, Area 25 Engine Maintenance Assembly and Disassembly (EMAD) Facility
 - Submit Final Streamlined Approach for Environmental Restoration (SAFER) Plan to NDEP
- CAU 116, Area 25 Test Cell C Facility
 - Continue field remediation activities
- CAU 117, Area 26 Pluto Disassembly Facility
 - Receive approval from NDEP for Final CR
- CAU 139, Waste Disposal Sites

- Submit Final CR to NDEP
- CAU 408, Bomblet Target Area (TTR)
 - Continue field remediation activities
 - Perform Waste Management activities
- CAU 560, Septic Systems
 - Perform Waste Management activities
- CAU 562, Waste Systems
 - Perform field remediation activities
 - Perform Waste Management activities

Soils:

Accomplishments (July)

- CAU 107, Low Impact Soil Sites
 - Received approval from NDEP for Final CR
- CAU 372, Area 20 Cabriolet/Palanquin Unit Craters
 - Received approval of Final Corrective Action Investigation Plan (CAIP) from NDEP

Planned (August)

- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters
 - Conduct Data Quality Objectives Meetings
- CAU 371, Johnnie Boy Crater and Pin Stripe
 - Complete field work activities

Public Involvement

Activities (July)

- The Operation Clean Desert display exhibited at Bass Elementary School in Las Vegas was extended through July 20, 2009. The principal of the school was very appreciative of the opportunity and provided very positive feedback about the experience.

Planned Activities (August)

- The Operation Clean Desert learning trio (display, activity book, and computer game) will be promoted during Educator Appreciation Day at the Mirage on Wednesday, August 12, 2009.