

Environmental Management's Monthly Report to the CAB June 2009

Low-Level Waste (LLW)

Activities (May)

- The Nevada Site Office (NSO) conducted a Radioactive Waste Acceptance Program (RWAP) Facility Audit of Idaho National Laboratory in Idaho Falls, ID. The team identified three (3) observations. The observations were not of significant impact to warrant termination of Idaho's Nevada Test Site Waste Acceptance Criteria certification. Idaho will respond to observations within the next 60 days.
- The NSO also conducted an impromptu surveillance of Brookhaven National Laboratory (BNL) in NY. The team discovered two (2) observations which BNL closed before the team finished its surveillance.
- The NSO also conducted a site visit visual inspection of a mixed low-level waste (MLLW) stream being treated at PermaFix Northwest in WA.
- As of May 31, 2009, the cumulative LLW volume received for FY 2009 is 762,246 ft³ in 850 shipments. The cumulative mixed LLW (MLLW) volume received for FY 2009 is 23,187 ft³ in 48 shipments. LLW Operations has worked 457,671 hours since its last lost-time accident (September 2003).
- On May 12, 2009, the Nevada Division of Environmental Protection started reviewing MLLW profiles. MLLW profiles had not been reviewed since 2008 as a result of the State of Nevada Attorney General's request.

Planned Activities (June)

- Expect to receive approximately 125,000 ft³ of LLW and MLLW for disposal during the month.
- The LLW Sub-Project plans to conduct one (1) RWAP Audit of the Portsmouth generator and (1) impromptu Facility Surveillance.
- The Sub-Project will be conducting up-to four visual inspection site visits of MLLW treatments at generator sites.

Transuranic Waste (TRU)

In May, NSTec re-worked the two containers that were not shipped to the Idaho National Laboratory TRU Waste Consolidation Facility. A shipping date has not yet been scheduled. However, the shipment will be made before July 31, 2009.

On May 28, 2009, the Nevada Site Office submitted the Final 2009 Site Treatment Plan that contained a revised milestone. The new milestone calls for all legacy TRU wastes (drums and oversized box waste) to be shipped off-site by July 31, 2009.

Underground Test Area (UGTA)

Activities (May)

- Frenchman Flat
 - Recommendations made by the risk evaluation team were finalized and further tasks were identified and further risk management activities were identified including updating the conceptual site model.
- Pahute Mesa
 - Completed construction of the conductor hole at the ER-20-7 site.

- Completed the removal of the pump from the ER-EC-6 well and installation of isolation packers and tubing.
- Awarded Subcontracts for the purchase of 16 inch carbon steel casing and 7-5/8 inch stainless steel casing for the ER-20-7 and ER-EC-11 wells.
- Began mobilization to the first FY 2009 investigation well site, ER-20-7.
- Review of the drilling criteria document was completed by NSTec, USGS, NDEP, LANL, DRI and LLNL and comment resolution began.
- The drilling criteria document was reviewed by DOE and comments incorporated.
- Revisions to field instructions for groundwater sampling and drill cuttings logs were finalized.
- The Field Activity Work Plan for well drilling was drafted.
- The Environmental Baseline Survey for Well ER-EC-11 on the Nevada Test and Training Range (NTTR) was forwarded to Nellis Air Force Base personnel for review and approval.
- The Fluid Management and Waste Management plans were finalized and distributed to DOE and DRI.
- Yucca Flat
 - Continued the Phase I flow and transport modeling.
- Rainier Mesa/Shoshone Mountain
 - Continued the Phase I flow and transport modeling.

Planned Activities (June)

- Frenchman Flat
 - NSTec and SNJV will continue to compile and update data sets for inclusion in the fracture analysis and geologic databases.
 - Continue the Phase II flow and transport modeling.
 - Initiate additional risk evaluation tasks.
 - Monitoring objectives and decision trees will be reviewed by pre-emptive review committee.
- Pahute Mesa
 - Finalize the Phase II Well Drilling Criteria Report.
 - Complete drilling and completion of the ER-20-7 well.
 - Begin construction of the ER-EC-11 access road, drill pad and sumps.
 - Complete support for acquisition of subcontracts for new well drilling and related services.
- Yucca Flat
 - Continue the Phase I flow and transport modeling.
- Rainier Mesa/Shoshone Mountain
 - Continue the Phase I flow and transport modeling.

Industrial Sites

Activities (May)

- Corrective Action Unit (CAU) 114, Area 25 EMAD Facility
 - Continued closure field work
- CAU 117, Area 26 Pluto Disassembly Facility
 - Performed Waste Management activities
 - Submitted Draft Closure Report (CR) to Nevada Division of Environmental Protection (NDEP)
- CAU 130, Storage Tanks

- Received Final CR approval from NDEP
- CAUs 400, 407, 424, 426, 453, 484 & 487
 - Performed Post-Closure Inspection
- CAU 557, Spills and Tank Sites
 - Submitted Final Corrective Action Decision Document (CADD)/CR to NDEP
 - Performed Waste Management activities
- CAU 560, Septic Systems
 - Performed Waste Management activities

Planned Activities (June)

- CAUs 90, 92, 110 & 112
 - Perform Post-Closure Inspection
- CAU 111, Area 5 Waste Management Division Retired Mixed Waste Pits
 - Submit Final CADD/Corrective Action Plan (CAP) to NDEP
- CAU 114, Area 25 EMAD Facility
 - Continue closure field work
 - Submit Draft Streamlined Approach for Environmental Restoration (SAFER) to NDEP
 - Perform Waste Management activities
- CAU 134, Aboveground Storage Tanks
 - Submit Final CR to NDEP
- CAU 139, Waste Disposal Sites
 - Submit Draft CR to NDEP
- CAU 560, Septic Systems
 - Perform Waste Management activities

Soils

Activities (May)

- CAU 107, Low Impact Soil Sites
 - Received Final SAFER Plan, Revision 1, approval from NDEP
 - Submitted Draft CR to NDEP
- CAU 370, T-4 Atmospheric Test Site
 - Submitted the Final CADD/CR to NDEP
- CAU 371, Johnnie Boy Crater and Pin Stripe
 - Continue field work
 - Performed Waste Management activities

Planned Activities (June)

- CAU 107, Low Impact Soil Sites
 - Submit Final CR to NDEP
- CAU 371, Johnnie Boy Crater and Pin Stripe
 - Continue field work
- CAU 372, Area 20 Cabriole/Palanquin Unit Craters
 - Submit Final Corrective Action Investigation Plan (CAIP) to NDEP

Public Involvement

Activities (May)

- Operation Clean Desert display, the Waste Management Timeline, and Groundwater posters were exhibited at Rosemary Clarke Middle School in Pahrump on May 20 and 21, 2009 to approximately 400, 6th grade students. The annual, two-day event is part of a lesson plan developed to address Nevada Department of Education science objectives. Following a

presentation on historic and current activities at the Nevada Test Site, students had an opportunity to view and ask questions during rotations through the display and posters. All students were provided a copy of the Operation Clean Desert computer game and activity book, which was used to complete a required worksheet.

- Participated in the May 13 Community Advisory Board (CAB) for Nevada Test Site Programs Full Board meeting in Pahrump, NV.

Planned Activities (June)

- The Operation Clean Desert display is being exhibited at Bass Elementary School in Las Vegas, May 28 through July 1, 2009. It is expected that approximately 900 students will view the display during this time which includes the school's Science and Technology Week, an open house venue to which parents are invited.
- Participate in CAB activities.