

Environmental Management's Monthly Report to the CAB May 2008

Low-Level Waste (LLW):

Completed Activities (April)

- The Nevada Site Office (NSO) conducted one (1) Radioactive Waste Acceptance Program (RWAP) audit of the PermaFix, M&EC in Oak Ridge, TN; one (1) Impromptu Facility Evaluation of DuraTech in Oak Ridge, TN, and one (1) mixed LLW treatment verification at PermaFix, M&EC in Oak Ridge, TN.
- As of April 20, 2008, 501,780 ft³ of LLW in 568 shipments was disposed at the Nevada Test Site (NTS) during FY 2008.
- As of April 20, 2008, 15,592 ft³ of MLLW in 35 shipments was disposed at the NTS during FY 2008.
- LLW Operations has worked 372,650 hours since its last lost-time accident (September 2003).
- On April 21 – 24, 2008, Sub-Project staff met the Low Level Waste Federal Review Team to finalize Addendum 2, Special Analysis for Transuranic (TRU) in the Trenches, of the Area-5 Performance Assessment.

Expectations (May)

- Expect to receive 135,398 ft³ of LLW and MLLW for disposal.
- The LLW Sub-Project expects to conduct two (2) RWAP Impromptu Facility Inspections of the generator sites.

Transuranic Waste (TRU)

Completed Activities (April)

- Modifications made to the Visual Examination and Repackaging Building (VERB) for the oversized box size-reduction and segregation was completed.
- Based on characterization data on the remaining 58 oversized boxes of TRU waste, nine oversized boxes were declared Mixed Low-Level Waste (MLLW). The nine boxes were removed from the TRU inventory and will be managed as MLLW in accordance with the Mutual Consent Agreement.
- The Final 2008 Site Treatment Plan was submitted to the Nevada Department of Environmental Protection on April 30, 2008.

Expectations (May)

- Equipment installed in the VERB will be tested to ensure operational compliance prior to turning the VERB over to Area 5 Radioactive Waste Management Complex personnel.
- The Final Documented Safety Analysis that incorporates the oversized box size reduction activities will be submitted and approved by the Nevada Site Office.

Industrial Sites:

Completed Activities (April)

- Corrective Action Unit (CAU) 116, Area 25 Test Cell C Facility:
 - Continued decontamination & decommissioning fieldwork
- CAU 127, Areas 25 and 26 Storage Tanks:
 - Completed waste disposal activities
- CAU 151, Septic Systems and Discharge Area:
 - Submitted Final Closure Report (CR) to the Nevada Division of Environmental Protection (NDEP) for approval
 - Completed waste disposal activities

- CAU 190, Contaminated Waste Sites:
 - Received NDEP approval for the Final Corrective Action Decision Document/Closure Report (CADD/CR)
- CAU 545, Dumps, Waste Disposal Site, and Buried Radioactive Materials:
 - Submitted the Final CADD/CR to NDEP for approval
- Started investigation fieldwork for the Use Restriction project
- Submitted Final Post-Closure Inspection Letter Report for CAUs on the Nevada Test Site to NDEP for approval

Planned Activities (May)

- CAU 116, Area 25 Test Cell C Facility:
 - Continue decontamination and decommissioning fieldwork
- CAU 117, Area 26 Pluto Disassembly Facility:
 - Begin decontamination and decommissioning fieldwork
- CAU 134, Aboveground Storage Tanks:
 - Submit the Final Streamlined Approach for Environmental Restoration (SAFER) Plan to NDEP for approval
- CAU 151, Septic Systems and Discharge Area:
 - Receive NDEP approval for the Final CR
- CAU 234, Mud Pits, Cellars, and Mud Spills:
 - Submit the Final CADD/CR to NDEP for approval
- CAU 545, Dumps, Waste Disposal Site, and Buried Radioactive Materials:
 - Receive NDEP approval for the Final CADD/CR
- CAU 546, Injection Well and Surface Releases:
 - Begin corrective action investigation fieldwork
- CAU 560, Septic Systems:
 - Submit the Final Corrective Action Investigation Plan (CAIP) to NDEP for approval
- Complete investigation fieldwork for the Use Restriction project
- Receive NDEP approval for the Final Post-Closure Inspection Letter Report for CAUs on the Nevada Test Site
- Submit the Final Post-Closure Inspection Report for CAUs on the Tonopah Test Range to NDEP for approval

Underground Test Area (UGTA)

Completed Activities (April)

Frenchman Flat

- Mobilized personnel, equipment and materials and began the field activity for pumping and sampling the U-19ad PS #1A well.
- Provided ongoing support to operation of the USGS Core Library, the Area 1 Drilling Yard and Building 6-901.
- Continued review of the Draft Phase II Transport Model Report.

Pahute Mesa

- The preemptive review committee held a fifth meeting to discuss development of the Phase II Corrective Action Investigation Plan (CAIP).
- Began preparation of the fluid management plan for sampling of the U-19ad well.
- Presented proposed well locations at the preemptive review committee on the Phase II Corrective Action Investigation Plan (CAIP).
- Began preparation of responses based on comments received during the DOE review of the Phase I Transport Model Draft report.

Yucca Flat

- Continued Phase I Flow Model Analysis and Evaluation.
- Continued Phase I Transport Model Analysis and Evaluation.

Rainier Mesa/Shoshone Mountain

- Continued Phase I Flow Model Analysis and Evaluation.
- Continued Phase I Source Term Analysis and Evaluation.
- Continued Phase I Transport Model Analysis and Evaluation.
- Completed groundwater sampling of ER-16-1 (4-9-08).
- Began preparation of responses based on comments received from Nevada Division of Environmental Protection (NDEP) on the Phase I Hydrology Data document.
- Began preparation of responses based on comments received from NDEP on the Phase I Transport Parameters Data document.
- Submitted the Modeling Approach Strategy document for NDEP review (4-4-08).

Expectations (May)

Frenchman Flat

- Complete pumping and sampling of the U-19ad PS #1A well.
- Complete pump installation and pumping and sampling of the UE-2ce well.
- Continue support to operation of the USGS Core Library, the Area 1 Drilling Yard and Building 6-901.
- Complete review of the Draft Phase II Transport Model Report.

Pahute Mesa

- Continue CAIP Addendum initiative.
- Complete sample analyses of the U-19ad well.
- Continue comment response preparation for the Phase I Transport Model Draft report.

Yucca Flat

- Continue Phase I Flow Model Analysis and Evaluation.
- Continue Phase I Transport Model Analysis and Evaluation.

Rainier Mesa/Shoshone Mountain

- Continue Phase I Flow Model Analysis and Evaluation.
- Continue Phase I Transport Model Analysis and Evaluation.
- Continue Phase I Source Term Analysis and Evaluation.
- Finalize the Phase I Hydrology Data document, due 5-7-08.
- Finalize the Phase I Transport Parameters Data document, due 5-7-08.
- Complete NDEP review of the Modeling Approach Strategy Document.
- Complete groundwater sampling at ER-12-3 and ER-12-4.

Soils

Completed Activities (April)

- Received minor comments from Nevada Division of Environmental Protection (NDEP) on the Corrective Action Unit (CAU) 370 Draft Corrective Action Investigation Plan (CAIP), completed comment resolution and submitted final CAIP to NDEP for review and concurrence.
- Submitted the CAU 107 draft SAFER Plan with additional sites for NDEP review.
- Continued the preliminary assessment of remaining Soil Sites.

Expectations (May)

- In support of anticipated field activities for CAU 370, continue the pre-field planning.
- Resolve NDEP comments on the draft CAU 107 Streamlined Approach for

Environmental Restoration (SAFER) Plan for low impact Soils Sites and finalize the document.

- Continue the preliminary assessments of remaining Soils Sites.

Public Involvement:

Completed Activities (April)

- The Operation Clean Desert learning trio (comprised of an interactive computer game, activity book, and mobile exhibit that convey information about the Environmental Management efforts taking place at the Nevada Test Site in a manner appropriate to elementary-school age children) was on display, and a brief PowerPoint presentation on the history of the Nevada Test Site was made on April 10 and 11 at Rosemary Clarke Middle School (Nye County). Approximately 600 students were reached with this information during the two days. This event resulted from Public Involvement's participation in the Nevada State Science Teachers Association 2008 Math & Science Conference in February. Instructors wish to repeat this event in 2009.
- The Operation Clean Desert learning trio was on display, and a brief verbal presentation on the Nevada Test Site was made on April 17 to students of both the CHIEFS Homeschool Group and Cornerstone Christian Academy (Las Vegas). Approximately 95 students were reached with this information.
- The Operation Clean Desert learning trio will be on display April 24 to youth participants in the annual "Bring Your Daughters and Sons to Work Day," held at the U.S. Department of Energy (DOE) National Nuclear Security Administration Nevada Site Office. Approximately 30-50 students will be reached through this event. On this same day, youth participants of DOE contractor Stoller-Navarro Joint Venture (approximately 20) will receive the activity book and interactive computer game.
- The Operation Clean Desert learning trio was on display April 26 to attendees of the Atomic Testing Museum launch of its "Amusement Park Science" exhibit (Las Vegas). In addition to the Operation Clean Desert materials, demonstrations of Geiger counter usage was made, and an activity conveying information about soils monitoring was available.
- Met with the Environmental Management Student Forum (a group of high school students from Advanced Technologies Academy in Las Vegas, NV) to continue development of an interactive Nevada Test Site Environmental Management timeline. This is a weekly meeting.
- Participated in the Site Specific Advisory Board Chairs meeting in Richland, WA on April 22 – 24.

Expectations (May)

- Provide support and assistance for the Nevada Test Site Environmental Impact Statement Supplemental Analysis Open House meetings scheduled for May 5 (Pahrump, NV), May 6 (Las Vegas), and May 7 (St. George, UT)
- Meet with the CHOLLA educational group (*Clasping Hands Offering Lifelong Learning Adventures*) on May 13 to determine upcoming public education/outreach opportunities.
- Meet with the Environmental Management Student Forum (a group of high school students from Advanced Technologies Academy in Las Vegas, NV) four times (once a week) to development of an interactive Nevada Test Site Environmental Management timeline.
- Participate in the Community Advisory Board for Nevada Test Site Programs public meeting on May 14 at 755 East Flamingo Rd in Las Vegas, NV.