

Environmental Management's Monthly Report to the CAB September 2009

Low-Level Waste (LLW)

Activities (August)

- The LLW Sub-Project conducted three (3) facility surveys at EnergX and Oak Ridge National Laboratory in Oak Ridge, and Advanced Mixed Waste Treatment Program in Idaho. The Radioactive Waste Acceptance Program (RWAP) team discovered one (1) observation for each of the Oak Ridge generators. These observations were minor and will be addressed over the next 60-days.
- The LLW Sub-Project conducted an assist visit of Battelle in Idaho. This visit was to help the potential generator properly ship/dispose its LLW to the Nevada Test Site (NTS).
- As of August 25, 2009, the cumulative LLW volume received for FY 2009 is 989,557 ft³ in 1,144 shipments. The cumulative mixed low-level waste (MLLW) volume received for FY 2009 is 52,527 ft³ in 94 shipments. LLW Operations has worked 471,331 hours since its last lost-time accident (September 2003).
- On August 19, 2009, the Nevada Division of Environmental Protection (NDEP) approved the Corrective Actions Decision Document/Corrective Action Plan for closing the first 92-Acres of the Area 5 Radioactive Waste Management Site.

Planned Activities (September)

- Expect to receive approximately 130,000 ft³ of LLW and MLLW for disposal during the month.
- During the week of September 14, 2009, the LLW Sub-Project plans to conduct one RWAP Audit of the Los Alamos National Laboratory in New Mexico. LLW Sub-Project staff and NDEP staff will be accompanying the RWAP Audit Team.

Underground Test Area (UGTA)

Activities (August)

Frenchman Flat

- Completed FY 2009 fracture analysis task and other geologic databases.
- Finalized the Phase II Well Drilling Criteria Report.
- Initiated preparation of the Well Completion Report for ER-20-7.

Pahute Mesa

- Completed construction and installation of production casing in well ER-20-8 on August 15, 2009.
- An unplanned well (ER-20-8 #2) was needed as a result of the contamination that was found in the first aquifer of ER-20-8. The Benham aquifer was sealed off in ER-20-8 to avoid cross contamination with the Teva and Topopah aquifers. The original plan was to drill one borehole with three completions; however, since NDEP, in conjunction with the State of Nevada Department of Water Resources, mandated that DOE could not cross contaminate aquifers, the DOE had to case off (seal) the Benham aquifer. Therefore, the new well (ER-20-8 #2) will allow for the testing and characterization of the Benham aquifer.
- Began construction of the conductor hole on August 17, 2009 and drilling of the main hole on August 22, 2009 at the ER-20-8 #2 site.
- Completed installation of the conductor casing and installation of the liner in the large sump at the ER-EC-11 site on August 6, 2009 and August 13, 2009 respectively.
- Completed field staking, ecological surveys and ecological surveys of access roads and construction areas around well sites ER-EC-12, ER-EC-13 and ER-EC-14.

- Compiled information for the Well Completion Report for well ER-20-8 and began compiling information for well ER-20-8 #2.

Yucca Flat

- Nothing new to report

Rainier Mesa/Shoshone Mountain

- Initiated flow model analysis and evaluation.

Planned Activities (September)

Frenchman Flat

- Complete the Phase II transport document.

Pahute Mesa

- Complete construction of the ER-20-8 #2 investigation well.
- Move drilling equipment from the ER-20-8 #2 site to ER-EC-11.
- Begin ER-EC-11 main hole construction activities.
- Continue developing well completion reports for ER-20-8.
- Continue developing well completion reports for ER-20-8 #2.
- Complete draft Well Completion Report for Well ER-20-7.

Yucca Flat

- Complete FY 2009 support to the Phase I flow and transport modeling.

Rainier Mesa/Shoshone Mountain

Complete FY 2009 support to the Phase I flow and transport modeling.

Industrial Sites:

Activities (August)

- Corrective Action Unit (CAU) 111, Area 5 Waste Management Division (WMD) Retired Mixed Waste Pits
 - Received approval from NDEP for Final Corrective Action Decision Document/Corrective Action Plan (CADD/CAP)
- CAU 114, Area 25 Engine Maintenance Assembly and Disassembly (EMAD) Facility
 - Submitted Final Streamlined Approach for Environmental Restoration (SAFER) Plan to Nevada Division of Environmental Protection (NDEP)
- CAU 116, Area 25 Test Cell C Facility
 - Continued field remediation activities
- CAU 117, Area 26 Pluto Disassembly Facility
 - Performed waste characterization radiological surveys
- CAU 139, Waste Disposal Sites
 - Submitted Final Closure Report (CR) to NDEP
 - Received approval from NDEP for Final CR
- CAU 166, Storage Yards and Contaminated Materials
 - Performed Waste Management activities
- CAU 408, Bomblet Target Area (Tonopah Test Range)
 - Continued field remediation activities
 - Performed Waste Management activities

Planned Activities (September)

- CAU 91, Area 3 U-3fi Injection Well
 - Perform Post-Closure Inspection
- CAU 92, Area 6 Decon Pond Facility
 - Perform Post-Closure Inspection

- CAU 110, Area 3 WMD U-3ax/bl Crater
 - Perform Post-Closure Inspection
- CAU 112, Area 23 Hazardous Waste Trenches
 - Perform Post-Closure Inspection
- CAU 113, Area 25 Reactor Maintenance, Assembly, and Disassembly (R-MAD)
 - Perform housekeeping activities
- CAU 114, Area 25 EMAD Facility
 - Receive approval from NDEP for Final SAFER Plan
 - Perform field remediation activities
- CAU 117, Area 26 Pluto Disassembly Facility
 - Perform housekeeping activities
- CAU 166, Storage Yards and Contaminated Materials
 - Submit Final CR to NDEP
- CAU 408, Bomblet Target Area (TTR)
 - Submit Final SAFER Plan Rev. 1 to NDEP
 - Perform field remediation activities
 - Perform Waste Management activities

Soils:

Activities (August)

- Corrective Action Unit (CAU) 367, Area 10 Sedan, Ess and Uncle Unit Craters
 - Conducted Data Quality Objectives (DQO) Meetings
- CAU 371, Johnnie Boy Crater and Pin Stripe
 - Completed field work activities

Planned Activities (September)

- CAU 374, Area 20 Schooner Unit Crater
 - Conduct DQO Meeting

Public Involvement

Activities (August)

- The Operation Clean Desert (OCD) learning trio (display, activity book, and computer game) was promoted during Educator Appreciation Day at the Mirage on Wednesday, August 12, 2009. A total of 153 activity books, 140 computer games and 125 teacher lesson plans with worksheet were distributed during the day-long event.
- A resident of Memphis, Tennessee was provided with one copy of the activity book, computer game, and lesson plan with worksheet as requested via envmgt@nv.doe.gov.
- A resident of Prescott Valley, Arizona was provided 32 copies of the activity book and computer game, and a lesson plan with worksheet as requested via an NSO Environmental Management federal staff member.

Planned Activities (September)

- The Operation Clean Desert learning trio (display, activity book, and computer game) will be promoted during the 2nd Annual K-12 Social Studies Field Trip and Community Resources Colloquium at Hyde Park Middle School in Las Vegas on Thursday, September 24, 2009.
- The Department of Energy will host a Resource Conservation and Recovery Act (RCRA) MLLW permit application public meeting on September 2, 2009 at the Bob Ruud Community Center in Pahrump, NV from 5:30-7:30 pm.
- The National Nuclear Security Administration will host a series of public scoping meetings regarding the NTS Site-Wide Environmental Impact Statement. These scoping meetings will

provide the public with an opportunity to present comments, ask questions, and discuss issues with NNSA officials regarding the SWEIS. Meeting dates and times are as follows:

September 10, 2009

2:00 - 4:00 pm and 6:00 - 8:00 pm

Frank H. Rogers Science & Technology Building
Desert Research Institute
755 East Flamingo Road
Las Vegas, NV

September 14, 2009

5:30 – 7:30 pm

Bob Ruud Community Center
150 North Highway 160
Pahrump, NV

September 16, 2009

5:30 – 7:30 pm

Tonopah Convention Center
301 Brougner Ave.
Tonopah, NV

September 18, 2009

5:30 – 7:30 pm

Holiday Inn Conference Center
850 South Bluff Street
St. George, Utah