

Environmental Management's Monthly Report to the CAB April 2010

Low-Level Waste (LLW)

Activities (March)

- As of March 21, 2010, the cumulative LLW volume received for FY 2010 is 643,517 ft³ in 1,132 shipments. The cumulative mixed low-level waste (MLLW) volume received for FY 2010 is 29,290 ft³ in 42 shipments. LLW Operations has worked 30,246 hours since its last lost-time accident (September 23, 2009).
- The LLW Sub-Project conducted three (3) Radioactive Waste Acceptance Program (RWAP) Impromptu Surveillances at Nuclear Fuel Services (TN), Lawrence Livermore National Laboratory (CA), and Wastren Advantage, Inc. at the Transuranic Waste Processing Center (TN). Three (3) waste verification visits were conducted at Idaho National Laboratory, Perma-Fix (TN), and Duratek/EnergySolutions (TN).
- The Sub-Project finalized its quarterly LLW Forecast Update which indicated that generators are planning to ship approximately 2,238,000 cubic feet of LLW and MLLW to the NTS in FY 2010.
- The new RCRA mixed low-level waste disposal cell design/build subcontract was awarded. Conditional approval of the RCRA Part B Permit Application was received from NDEP to allow for design to commence. Once design is complete, NDEP will review and provide final permit approval allowing construction to commence.

Planned Activities (April)

- The LLW Sub-Project expects to receive approximately 244,000 ft³ of LLW and MLLW for disposal during the month.
- The LLW Sub-Project plans to conduct one (1) RWAP new generator audit at EnergX at the Argonne National Laboratory (IL) and one (1) RWAP Impromptu Surveillance at the Savannah River Site (SC).

Underground Test Area (UGTA)

Activities (March)

Frenchman Flat

- Continued developing monitoring network plan for input into the Corrective Action Decision Document/Corrective Action Plan (CADD/CAP).

Pahute Mesa

- The drilling report for Well ER-20-7 was completed and submitted to NSO.
- Completed construction of the access road, drill pad and sumps at the ER-EC-12 site. Completed repairs to the ER-20-4 drill pad and sumps.
- Began construction of the conductor hole at the ER-EC-12 site.
- Completed the Well Completion Report for Wells ER-20-8/ER-20-8#2, and continued work on the Well Completion Report for Well ER-EC-11.
- Continued hydrogeology analysis and evaluation.

Yucca Flat

- Continued Transport Model and Analysis.

Rainier Mesa/Shoshone Mountain

- Continued Transport Model and Analysis.

Planned Activities (April)

Frenchman Flat

- The Peer Review will begin on April 6 and will continue until September.
- Continue preparation of the Monitoring Network Plan.
- Complete the monitoring network white paper for distribution to the peer reviewers.

Pahute Mesa

- Complete preparation of the well completion reports for well ER-EC-11.
- Complete preparation of the well development and testing plan for Phase II wells (ER-20-7, ER-20-8, ER-20-8#2, ER-20-4, ER-20-9, ER-EC-11, ER-EC-11#2, ER-EC-12, ER-EC-13, ER-EC-14, ER-EC-15).
- Complete construction of conductor hole, rat & mouse holes and anchor holes at the ER-EC-12 site.
- Complete construction of the rat & mouse holes and anchor holes at the ER-20-4 site.
- Begin well development and testing of the ER-EC-11 well.
- Begin construction of the access road drill pad and sumps at the ER-EC-13 site.
- Continue hydrogeology analysis and evaluation.

Yucca Flat

- Continue transport model analysis and evaluation.

Rainier Mesa/Shoshone Mountain

- Continue transport model analysis and evaluation.

Industrial Sites:

Activities (March)

- Corrective Action Unit (CAU) 113, Area 25 Reactor Maintenance, Assembly, and Disassembly (R-MAD) Facility
 - Continued demolition activities, including explosive demolition of the high bay, and began shipping low-level waste to Area 5 (American Recovery and Reinvestment Act funded)
- CAU 114, Area 25 Engine Maintenance, Assembly, and Disassembly (EMAD) Facility
 - Continued site setup and began field remediation activities
 - Initiated pre-field planning activities for Rail Road Track investigation
- CAU 117, Area 26 Pluto Disassembly Facility
 - Completed characterization of the facility for asbestos and began planning activities for abatement (American Recovery and Reinvestment Act funded)
- CAU 408, Bomblet Target Area (Tonopah Test Range [TTR])
 - Continued field remediation activities (American Recovery and Reinvestment Act funded)
 - Submitted Final Streamlined Approach for Environmental Remediation (SAFER) Plan Rev. 1 to State of Nevada Division of Environmental Protection (NDEP) (American Recovery and Reinvestment Act funded)
- CAU 544, Cellars, Mud Pits, and Oil Spills
 - Conducted pre-Data Quality Objectives (DQO) meetings
- CAU 560, Septic Systems
 - Completed field remediation activities
- CAU 562, Waste Systems
 - Conducted additional Decision II sampling
- CAU 563, Septic Systems
 - Received approval from NDEP for Final Closure Report (CR)

Planned Activities (April)

- CAU 113, Area 25 R-MAD Facility
 - Continue demolition activities and disposal of low-level waste (American Recovery and Reinvestment Act funded)
- CAU 114, Area 25 EMAD Facility
 - Continue field remediation activities
 - Continue pre-field planning activities for the Rail Road Track investigation
- CAU 117, Area 26 Pluto Disassembly Facility
 - Begin asbestos abatement activities (American Recovery and Reinvestment Act funded)
- CAU 408, Bomblet Target Area (TTR)
 - Continue field remediation activities (American Recovery and Reinvestment Act funded)
 - Receive approval from NDEP for Final SAFER Plan Rev. 1 (American Recovery and Reinvestment Act funded)
- CAU 560, Septic Systems
 - Submit Final Corrective Action Decision Document/Closure Report (CADD/CR) to NDEP

Soils:

Activities (March)

- Corrective Action Unit (CAU) 367, Area 10 Sedan, Ess and Uncle Unit Craters
 - Began field investigation activities (American Recovery and Reinvestment Act funded)
- CAU 372, Area 20 Cabriolet/Palanquin Unit Craters
 - Continued field investigation activities
- CAU 375, Area 30 Buggy Unit Craters
 - Submitted Final Corrective Action Investigation Plan (CAIP) to State of Nevada Division of Environmental Protection (NDEP) (American Recovery and Reinvestment Act funded)

Planned Activities (April)

- CAU 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
 - Submit Final CAIP to NDEP (American Recovery and Reinvestment Act funded)
- CAU 374, Area 20 Schooner Unit Crater
 - Begin field investigation activities (American Recovery and Reinvestment Act funded)
- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters
 - Continue field investigation activities (American Recovery and Reinvestment Act funded)
- CAU 372, Area 20 Cabriolet/Palanquin Unit Craters
 - Continue field investigation activities
- CAU 375, Area 30 Buggy Unit Craters
 - Receive approval from NDEP for Final CAIP (American Recovery and Reinvestment Act funded)

Public Involvement

Activities (March)

- Nevada Site Office staff participated in Community Advisory Board for Nevada Test Site Programs meetings.
- Thirty (30) copies of the *Operation Clean Desert* activity book and computer game, and copies of the display panels were provided to a 5th grade teacher at Aldeane Ries Elementary School on March 4, 2010. This teacher attended the *Nevada Test Site Activities and Operation Clean*

Desert session during the February 2010 Clark County School District Winter New Teacher Conference.

- Waste management and environmental restoration posters and videos were exhibited at the Nevada Site Office Environmental Management booth during the Waste Management 2010 Symposia in Phoenix, AZ, March 7-10, 2010.
- One (1) copy of the *Operation Clean Desert* activity book and computer were mailed to a special education teacher in Sterling, VA, as requested via envmgt@nv.doe.gov.
- An *Operation Clean Desert* display was setup in the Public Reading Room. This is the first of several Environmental Management posters to be rotated through the Public Reading Room every three (3) months.

Planned Activities (April)

- Representatives of the Nevada Site Office Environmental Management program will exhibit an *Operation Clean Desert* display during the Shark Reef Party for the Planet at Mandalay Bay on Saturday, April 17, 2010. Copies of the *Operation Clean Desert* activity book and computer game will be available to participants, as well as brochures on outreach materials/activities and pencils made from reclaimed currency.
- Representatives of the Nevada Site Office will present the pollution prevention display and conduct an activity with 8-10 year olds participating in Take Your Daughters and Sons to Work Day on Thursday, April 22, 2010. *Reduce, Reuse, Recycle* activity books and bookmarks, and pencils made from reclaimed currency will be distributed during the event.
- Nevada Site Office staff will participate in Community Advisory Board for Nevada Test Site Programs meetings.