

## **Environmental Management's Monthly Report to the CAB**

### **May 2010**

#### **Low-Level Waste (LLW)**

##### **Activities (April)**

- As of April 26, 2010, the cumulative LLW volume received for FY 2010 is 1,034,974 ft<sup>3</sup> in 1,623 shipments. The cumulative mixed low-level waste (MLLW) volume received for FY 2010 is 40,691 ft<sup>3</sup> in 52 shipments. LLW Operations has worked 39,687 hours since its last lost-time accident (September 23, 2009).
- The LLW Sub-Project conducted one (1) Radioactive Waste Acceptance Program (RWAP) Assist Visit at the Savannah River Site in South Carolina, and one (1) RWAP Audit at Argonne National Laboratory (ANL) in Illinois. The Audit of ANL resulted in four (4) observations, which ANL resolved before the Audit Team left the site.
- The Sub-Project is in the process of completing its quarterly LLW Forecast Update. Currently, generators are planning to ship approximately 2,370,000 cubic feet of LLW and MLLW to the NTS in FY 2010. The NSO will finalize the forecast update in May.
- The NSO completed the 60% review of the replacement RCRA mixed low-level waste disposal unit. 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 (May)**

- The LLW Sub-Project expects to receive approximately 249,000 ft<sup>3</sup> of LLW and MLLW for disposal this month.
- The LLW Sub-Project plans to conduct one (1) RWAP Assist Visit of the West Valley Generator, one (1) RWAP Impromptu Surveillance.
- The Nevada Site Office will submit an application to the State of Nevada for a Mixed Waste Storage Unit permit for the Area 4 Radioactive Waste Management Complex.

#### **Underground Test Area (UGTA)**

##### **Activities (April)**

- **Frenchman Flat**
  - The Phase II Documentation Overview of Corrective Action Unit 98: Frenchman Flat, Rev. 1 was submitted to NSO on April 13, 2010.
  - The external Peer Review process began a kick-long kick-off session April 6-9, 2010.
- **Pahute Mesa**
  - The drilling report for Well ER-20-8#2 was completed and submitted to NSO for review.
  - The drilling report for Well ER-EC-11 was completed and submitted to NSO for review.
  - Well development and testing commenced at Well ER-EC-11.
  - 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 support of hydrogeology analysis and evaluation.
  - Completed construction of the conductor hole at the ER-EC-11 site.
  - Completed installation of rat & mouse holes and anchor holes at the ER-20-4 site.
  - Issued the Storm Water Pollution Prevention Plan for access road, drill pad and sump construction at the ER-EC-13 site. Began survey support for the road, pad and sump construction.

- **Yucca Flat**
  - Continued Transport Model Analysis and Evaluation.
- **Rainier Mesa/Shoshone Mountain**
  - A status briefing for the flow and transport analysis and evaluation task was provided to State of Nevada.

#### Planned Activities (May)

- **Frenchman Flat**
  - Continue preparation of the Monitoring Network Plan. The Monitoring Network Plan describes the monitoring wells that will be installed to evaluate the model, monitor the contaminant migration, and verify compliance with the regulations, i.e., is the compliance strategy working. This network will become part of the long-term monitoring after closure of the Corrective Action Unit.
  - Complete the monitoring network white paper for distribution to the peer review panel.
  - Continue peer review of the flow and transport model.
- **Pahute Mesa**
  - Complete well development and testing of Well ER-EC-11 and initiate Well ER-20-7.
  - Complete the Head Monitoring Report and submit to NSO.
  - Complete Phase II Well Development and Testing Plan and submit to NSO.
  - Complete the Well Completion Report for Well ER-EC-11.
  - Continue support of hydrogeology analysis and evaluation.
  - Complete support to well development, testing and sampling of the ER-EC-11 well.
  - Continue access road, drill pad and sump construction at the ER-EC-13 site.
  - Prepare sumps at the ER-20-7 site for installation of new liners.
- **Yucca Flat**
  - Continue transport model analysis and evaluation.
- **Rainier Mesa/Shoshone Mountain**
  - Continue transport model analysis and evaluation.

#### Industrial Sites:

##### Activities (April)

- Corrective Action Unit (CAU) 113, Area 25 Reactor Maintenance, Assembly, and Disassembly (R-MAD) Facility
  - Continued demolition activities and disposal of low-level waste (funded by the American Recovery and Reinvestment Act)
- CAU 114, Area 25 Engine Maintenance, Assembly, and Disassembly (EMAD) Facility
  - Continued field remediation activities
  - Continued pre-field planning activities for the Railroad (RR) Track investigation (funded by the American Recovery and Reinvestment Act)
- CAU 117, Area 26 Pluto Disassembly Facility
  - Began asbestos abatement preparation activities and resumed preparation of the building for demolition (funded by the American Recovery and Reinvestment Act)

- CAU 408, Bomblet Target Area (Tonopah Test Range [TTR])
  - Received approval from State of Nevada Department of Environmental Protection (NDEP) for Final Streamlined Approach for Environmental Restoration (SAFER) Plan Rev. 1 (funded by the American Recovery and Reinvestment Act)
  - Continued field remediation activities (funded by the American Recovery and Reinvestment Act)
- CAU 544, Cellars, Mud Pits, and Oil Spills
  - Completed the final Data Quality Objectives (DQO) meeting
- CAU 560, Septic Systems
  - Submitted Final Corrective Action Decision Document/Closure Report (CADD/CR) to NDEP
  - Received approval from NDEP for Final CADD/CR

#### Planned Activities (May)

- CAU 110, Area 3 Waste Management Disposal U-3ax/bl Crater
  - Perform vegetation survey
- CAU 113, Area 25 R-MAD Facility
  - Continue segregation and size reduction of demolition debris and disposal of low-level waste (funded by the American Recovery and Reinvestment Act)
- CAU 114, Area 25 EMAD Facility
  - Continue field remediation activities
  - Continue pre-field planning activities for the RR track investigation (funded by the American Recovery and Reinvestment Act)
- CAU 117, Area 26 Pluto Disassembly Facility
  - Begin asbestos abatement and continue preparation of the building for demolition (funded by the American Recovery and Reinvestment Act)
- CAUs 400, 407, 424, 426, 453, 484, and 487 (TTR)
  - Conduct post-closure inspections
- CAU 408, Bomblet Target Area (TTR)
  - Continue field remediation activities (funded by the American Recovery and Reinvestment Act)
- CAU 544, Cellars, Mud Pits, and Oil Spills
  - Submit Draft SAFER Plan to NDEP

#### **Soils:**

##### Activities (April)

- Corrective Action Unit (CAU) 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
  - Submitted Final Corrective Action Investigation Plan (CAIP) to State of Nevada Division of Environmental Protection (NDEP) (funded by the American Recovery and Reinvestment Act)
- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters
  - Continued field investigation activities (funded by the American Recovery and Reinvestment Act)
- CAU 372, Area 20 Cabriolet/Palanquin Unit Craters
  - Continued field investigation activities
- CAU 375, Area 30 Buggy Unit Craters
  - Received approval from NDEP for Final CAIP (funded by the American Recovery and Reinvestment Act)

##### Planned Activities (May)

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

## **Public Involvement**

### **Activities (April)**

- Eighty-six (86) copies of the *Operation Clean Desert* activity book and computer game, and three (3) teacher packets (science-based lesson plan, social studies objectives, worksheet, activity book and computer game) were distributed at the *Operation Clean Desert* display during the Shark Reef Party for the Planet at Mandalay Bay on Saturday, April 17, 2010.
- The pollution prevention display was exhibited and an activity conducted 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 were distributed during the event.
- Thirty (30) *Operation Clean Desert* teacher packets (science-based lesson plan, social studies objectives, worksheet, activity book and computer game) were provided to the Paradise Professional Development School through UNLV.
- In conjunction, with the *Operation Clean Desert* display setup in the Public Reading Room, 125 *Operation Clean Desert* activity books were provided for general public distribution.
- Nevada Site Office contractors participated in a career day event at a local elementary school. The interactive demonstration conducted with the first and second grade students involved basic radiation education and detection. Five (5) *Operation Clean Desert* teacher packets and 95 activity books and computer games were distributed at the event.
- Supported Community Advisory Board activities.

### **Planned Activities (May)**

- Representatives of the Nevada Site Office Environmental Management program will exhibit the *Operation Clean Desert* kids display, the Waste Management Timeline poster, and the Groundwater poster at Rosemary Clarke Middle School in Pahrump on May 19 and 20, 2010. It is anticipated that 400 6<sup>th</sup> grade students will participate during the annual two-day event which follows the science-based lesson plan and incorporates a presentation by a Nevada Site Office environmental protection specialist.
- Representatives of the Nevada Site Office Environmental Management program will present a *Nevada Test Site and Operation Clean Desert* briefing to environmental science students at Clark High School in Las Vegas the week of May 17, 2010.
- Support Community Advisory Board activities.