

**Environmental Management's (EM) Monthly Report to the NSSAB
April 2011**

Low-Level Waste (LLW)

Activities (March)

- As of March 27, 2011, the cumulative LLW volume received for FY 2011 is 719,823 ft³ in 1,099 shipments. The cumulative mixed low-level waste (MLLW) volume received for FY 2011 is 19,510 ft³ in 52 shipments.
- LLW Operations have worked 117,598 hours since its last lost-time accident (September 23, 2009).
- The NSO Radioactive Waste Acceptance Program (RWAP) conducted an impromptu facility surveillance of the Berkeley's Bevatron Disposition Project in Livermore, California, which resulted in no findings or observations. Additionally RWAP conducted a Facility Audit of Nuclear Fuel Service (NFS) in Erwin, Tennessee, which resulted in two quality assurance observations. Observations are potential weaknesses that RWAP believes may cause a deficiency if not reviewed. RWAP requires the generators to respond to RWAP observations although no corrective action is required. These responses help ensure the generator evaluates the observation before closing it. Overall, the Waste Certification Programs for the Bevatron Disposition Project and NFS were determined to be effective; therefore, existing Nevada Site Office program approvals held by both waste generators remain in effect for continued shipment of approved waste streams to the Nevada National Security Site (NNSS).
- On March 17 waste shipments from the Portsmouth waste generator arrived at the NNSS. During inspections contamination above free release limits were found on two trailers. The trailers were held over the weekend and the empty trailers were then returned. A Corrective Action Request was issued to Portsmouth. Portsmouth shipping has been suspended until corrective actions are completed.

Planned Activities (April)

- The site expects to receive approximately 213,000 ft³ of LLW and MLLW for disposal.
- RWAP will conduct two impromptu surveillances and one audit.

Underground Test Area (UGTA)

Activities (March)

- **Frenchman Flat**
 - Issued draft Corrective Action Decision Document(CADD)/Corrective Action Plan (CAP) for internal review.
 - Issued report on model-documentation self assessment.
- **Pahute Mesa**
 - Continued preparation of drilling and well development and testing documents.
 - Continued analysis and evaluation of geology data.
 - Completed Characterization Data report for Well ER-EC-8 and the Surface Water Characterization Sampling of Coffey Pond.
- **Yucca Flat**
 - Continued model analysis and evaluation, and preparation of the preliminary draft flow and transport model document on a revised schedule.
- **Rainier Mesa/Shoshone Mountain**
 - Continued flow and transport model analysis and evaluation.

- A pre-emptive review of modeling activities was initiated.

Planned Activities (April)

- **Frenchman Flat**
 - Complete internal review of CADD/CAP.
- **Pahute Mesa**
 - Complete drilling and well development and testing data documents for Wells ER-EC-15, ER-EC-12, ER-EC-13, and ER-20-4.
- **Yucca Flat**
 - Continue preparation of flow and transport model preliminary draft document.
- **Rainier Mesa/Shoshone Mountain**
 - Continue flow and transport model analysis and evaluation
 - Evaluate recommendations from the pre-emptive review.

Industrial Sites:

Activities (March)

- Corrective Action Unit (CAU) 116, Area 25 Test Cell C Facility
 - Continued field remediation activities
 - Completed shipping low-level waste (LLW) to Area 5
- CAU 117, Area 26 Pluto Disassembly Facility
 - Completed field remediation activities
 - Submitted the Final Letter Report for Completion of Demolition Activities to the Nevada Site Office (NSO) and the Nevada Division of Environmental Protection (NDEP)
- CAU 484, Surface Debris, Waste Sites, and Burn Area (Tonopah Test Range [TTR])
 - Submitted the Final Addendum to the Closure Report (CR) to the NDEP and received NDEP approval
- CAU 539, Areas 25 and 26 Railroad Tracks
 - Relocated high activities items to Engine Maintenance, Assembly, and Disassembly (EMAD)
- CAU 544, Cellars, Mud Pits, and Oil Spills
 - Conducted Corrective Action Alternatives meeting
- CAU 561, Waste Disposal Areas
 - Conducted verification sampling
 - Planned waste management activities
- CAU 566, EMAD Compound
 - Continued fieldwork activities
 - Began waste shipping activities

Planned Activities (April)

- CAU 116, Area 25 Test Cell C Facility
 - Complete field remediation activities
- CAU 539, Areas 25 and 26 Railroad Tracks
 - Conduct CAA meeting
- CAU 561, Waste Disposal Areas
 - Conduct remediation and verification sampling
- CAU 566, EMAD Compound
 - Complete fieldwork activities
 - Continue waste shipping activities

Soils:

Activities (March)

- Corrective Action Unit (CAU) 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
 - Continued field investigation activities (funded by the American Recovery and Reinvestment Act [ARRA])
- CAU 365, Baneberry Contamination Area
 - Continued field investigation activities (funded by the ARRA)
- CAU 366, Area 11 Plutonium Valley Dispersion Sites
 - Continued preliminary field activities
- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters
 - Completed waste management activities
- CAU 372, Area 20 Cabriole/Palanquin Unit Craters
 - Completed waste management activities
- CAU 374, Area 20 Schooner Unit Crater
 - Continued waste management activities (funded by the ARRA)
- CAU 375, Area 30 Buggy Unit Craters
 - Completed waste management activities (funded by the ARRA)

Planned Activities (April)

- CAU 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
 - Continue field investigation activities (funded by the ARRA)
- CAU 365, Baneberry Contamination Area
 - Continue field investigation activities (funded by the ARRA)
- CAU 366, Area 11 Plutonium Valley Dispersion Sites
 - Continue preliminary field activities
- CAU 374, Area 20 Schooner Unit Crater
 - Continue waste management activities (funded by the ARRA)

Public Involvement:

Activities (March)

- Continued exhibit of *Operation Clean Desert* display in the Las Vegas, NV Public Reading Room and provided an additional 300 computer games and 100 activity books.
- Continued exhibit of *Groundwater at the Nevada National Security Site* poster at the Amargosa Valley Library.
- Continued exhibit of *Groundwater at the Nevada National Security Site* poster at the Goldfield Library.
- Participated in the West Career and Technical Academy Career and College Fair March 15th, 2011 during which 20 Operation Clean Desert activity books were distributed and follow-up information provided to six (6) attendees (students and parents).
- Presented a briefing on *The Nevada National Security Site Meets Operation Clean Desert* at the Clark County School District Spring New Teacher Conference on March 19, 2011 and distributed 15 copies of the Operation Clean Desert activity book.
- Published an EM News Flash article and two (2) articles published in Sitelines.
- Provided briefings to three (3) engineering classes at West Career and Technical Academy March 29-30, 2011.
- Participated in Nevada Site-Specific Advisory Board meetings.

Planned Activities (April)

- Continue exhibit of *Operation Clean Desert* display in the Las Vegas, NV Public Reading Room.
- Continue exhibit of *Groundwater at the Nevada National Security Site* poster at the Amargosa Valley Library.
- Continue exhibit of *Groundwater at the Nevada National Security Site* poster at the Goldfield Library.
- Participate in Career Day at Lomie Heard Elementary School at Nellis Air Force Base April 11, 2011, to include distribution of approximately 400 Operation Clean Desert activity books.
- Publish an EM News Flash article.
- Support an MDARS demonstration at West Career and Technical Academy on April 27, 2011.
- Participate in Nevada Site-Specific Advisory Board meetings.