

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

Low-Level Waste (LLW)

Activities (February)

- As of February 27, 2011, the cumulative LLW volume received for FY 2011 is 627,236 ft³ in 869 shipments. The cumulative mixed low-level waste (MLLW) volume received for FY 2011 is 15,035 ft³ in 44 shipments.
- LLW Operations have worked 111,120 hours since its last lost-time accident (September 23, 2009).
- The NSO Radioactive Waste Acceptance Program (RWAP) conducted two impromptu facility surveillances of Duratek/EnergySolutions (DRTK), Oak Ridge, Tennessee and Lawrence Livermore National Laboratory (LLNL), Livermore, California. RWAP issued two observations to LLNL and seven observations to DRTK. Overall, the Waste Certification Programs for DRTK and LLNL were determined to be effective; therefore, existing NNSA/NSO program approvals held by both waste generators remain in effect for continued shipment of approved waste streams to the NNSS.

Planned Activities (March)

- The Site expects to receive approximately 240,000 ft³ of LLW and MLLW for disposal.
- RWAP will conduct one impromptu surveillance and one audit.

Underground Test Area (UGTA)

Activities (February)

- **Frenchman Flat**
 - Began Quality Assurance (QA)/Quality Control (QC) assessment for Frenchman Flat modeling and data input.
 - Continued preparation of Corrective Action Decision Document(CADD)/Corrective Action Plan (CAP)
- **Pahute Mesa**
 - Continued work on well completion reports for ER-20-4, ER-EC-12, ER-EC-13, and ER-EC-15. Distributed the draft ER-20-4 report for review.
 - Continued work on Geology Analysis and Evaluation.
 - Continued to implement phased model revisions for the Pahute Mesa Hydrostratigraphic Framework Model.
 - Continued preparation of drilling, and well development and testing documents
 - Completed Annual Head Monitoring Report
- **Yucca Flat**

Continue preparation of flow and transport model preliminary draft document
- **Rainier Mesa/Shoshone Mountain**
 - Continued flow and transport model analysis and evaluation.
 - Completed and distributed the final report on the nature of faults in Rainier Mesa

Planned Activities (March)

- **Frenchman Flat**
 - Complete QA/QC assessment for the Frenchman Flat modeling effort.
 - Continued preparation of CADD/CAP
- **Pahute Mesa**

- Complete draft well completion reports for ER-EC-12, ER-EC-13, and ER-EC-15 and distribute for technical reviews.
- Publish final Well Completion Report for wells ER-20-8 and ER-20-8 #2.
- Continue work on Geology Analysis and Evaluation.
- Complete fault tree model for the Phase II Hydrostratigraphic Framework Model.
- Continue preparation of drilling and well development and testing documents
- **Yucca Flat**
 - Complete flow and transport model analysis and evaluation.
 - Continue preparation of flow and transport model preliminary draft document
- **Rainier Mesa/Shoshone Mountain**
 - Continue flow and transport model analysis and evaluation.

Industrial Sites:

Activities (February)

- Corrective Action Unit (CAU) 110, Area 3 Waste Management Disposal U-3ax/bl Crater
 - Completed subsidence repairs
- CAU 114, Area 25 Engine Maintenance, Assembly, and Disassembly (EMAD) Facility
 - Disposed of evaporation basin residue
- CAU 116, Area 25 Test Cell C Facility
 - Continued demolition activities
 - Continued shipping low-level waste (LLW) to Area 5
- CAU 117, Area 26 Pluto Disassembly Facility
 - Completed subcontractor activities
 - Began installation of concrete cap over basement area
- CAU 539, Areas 25 and 26 Railroad Tracks
 - Conducted fieldwork to support the disposition of highly radioactive material
- CAU 544, Cellars, Mud Pits, and Oil Spills
 - Completed field activities
- CAU 561, Waste Disposal Areas
 - Completed Decision II sampling
- CAU 566, EMAD Compound
 - Continued fieldwork activities

Planned Activities (March)

- CAU 116, Area 25 Test Cell C Facility
 - Continue field remediation activities
 - Continue shipping LLW to Area 5
- CAU 117, Area 26 Pluto Disassembly Facility
 - Complete field remediation activities
- CAU 566, EMAD Compound
 - Continue fieldwork activities
 - Begin waste shipping activities

Soils:

Activities (February)

- 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
 - Continued waste management activities
- CAU 372, Area 20 Cabriole/Palanquin Unit Craters
 - Continued 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
 - Continued waste management activities (funded by the ARRA)

Planned Activities (March)

- 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
 - Complete preliminary field activities
- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters
 - Continue waste management activities
- CAU 372, Area 20 Cabriole/Palanquin Unit Craters
 - Complete waste management activities
- CAU 374, Area 20 Schooner Unit Crater
 - Continue waste management activities (funded by the ARRA)
- CAU 375, Area 30 Buggy Unit Craters
 - Complete waste management activities (funded by the ARRA)

Public Involvement:

Activities (February)

- Continued exhibit of *Operation Clean Desert* display in the Las Vegas, NV Public Reading Room.
- 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.
- Published one (1) Environmental Management (EM) News Flash article on *First Subjects in Mountain Lion Study Give a Sobering Account of Survival*
- Participated in the February 16 Nevada Site Specific Advisory Board Full Board meeting.
- Participated in the February 23 Nevada Site Specific Advisory Board Industrial Site/Soils committee meeting.
- Participated in the Nevada Site Specific Advisory Board Full Board membership interviews.
- Delivered 75 *Operation Clean Desert* activity books and 75 *Operation Clean Desert* activity CDs to teachers in Prescott Valley, Arizona.

Planned Activities (March)

- 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.
- Deliver two (2) outreach kiosks to interested locations
- Participate in the West Career and Technical Academy Career and College Fair March 15th, 2011.
- Participate in CHOLLA meeting March 15, 2011.
- Participate in a Clark County School District Spring New Teacher Conference March 19, 2011.
- Publish three (3) EM News Flash articles.
- Provide briefings to three engineering classes at West Career and Technical Academy March 29-30, 2011.