

Environmental Management's (EM) Monthly Report to the NSSAB November 2010

Low-Level Waste (LLW)

Activities (October)

- As of October 24, 2010, the cumulative LLW volume received for FY 2011 is 116,392 ft³ in 156 shipments. The cumulative mixed low-level waste (MLLW) volume received for FY 2011 is 743 ft³ in 3 shipments. (While some of these wastes streams are American Recovery and Reinvestment Act (ARRA) funded at the generator site, the LLW Sub-Project will not receive any ARRA funding this fiscal year for disposal of the generators' waste streams.)
- LLW Operations has worked 81,007 hours since its last lost-time accident (September 23, 2009).
- Radioactive Waste Acceptance Program (RWAP) personnel conducted one (1) audit of NSTec in Nevada and one (1) unannounced facility surveillance of Aberdeen Proving Grounds in Maryland. The NSTec audit discovered one (1) Corrective Action Request (CAR) and three (3) observations. Two of the observations were closed before the audit concluded and will not need further reporting. NSTec has 30 days to respond to the CAR and observations. Once received, the CAR and the observations will be tracked until closed. The Aberdeen Proving Grounds surveillance is still in process.
- Construction of the new mixed waste disposal unit continues. The cell has been excavated and the liner and leachate collection tank are installed. The new cell is schedule to be ready to accept waste in the second quarter of FY 2011.
- In response to the September 20, 2010 Princeton LLW Generator's transportation violation of the Nevada National Security Site (NNSS) Waste Acceptance Criteria, Princeton provided a Corrective Action Plan (CAP) to RWAP. RWAP has communicated concerns with the CAP to Princeton and are awaiting a response. The CAP will continue to be tracked until closed.

Planned Activities (November)

- The LLW Sub-Project expects to receive approximately 257,000 ft³ of LLW and MLLW for disposal. (While some of these wastes streams are ARRA funded at the generator site, the LLW Sub-Project will not receive any ARRA funding this fiscal year for disposal of the generators' waste streams.)
- RWAP will conduct two (2) impromptu surveillances during the month of November.

Underground Test Area (UGTA)

Activities (October)

Frenchman Flat

- Initiated development of Corrective Action Decision Document/Corrective Action Plan (CADD/CAP).

Pahute Mesa

Continued work on well data report for ER-EC-12.

Continued work on well completion report for ER-EC-12.

Continued work on well completion report for ER-20-4.
Continued work on well data report for ER-20-4.
Installed water monitoring pump in well ER-20-4.
Continued work on Geology Analysis and Evaluation.
Completed construction of the ER-EC-13 well (American Recovery and Reinvestment Act [ARRA] Funded)
Began location-to-location move of drilling and related equipment and portable facilities from the ER-EC-13 site to the ER-EC-15 site.
Completed construction of the ER-EC-15 drill pad, sumps and conductor hole
Completed well development and testing of the ER-20-7 well.
Completed final Well Development and Testing Report for wells ER-EC-11 and ER-20-8#2.

Yucca Flat

Continue preparation of flow and transport model document.

Rainier Mesa/Shoshone Mountain

Continued flow and transport model analysis and evaluation.

Planned Activities (November)

Frenchman Flat

Continue development of CADD/CAP

Pahute Mesa

Continue work on well completion report for ER-20-4.
Continue work on well completion report for ER-EC-12.
Continue work on well completion report for ER-EC-13.
Continue work on Geology Analysis and Evaluation.
Publish final Well Completion Report for ER-EC-11. Publish final Well Completion Report for wells ER-20-8 and ER-20-8 #2. Complete construction of the ER-EC-15 well and begin demobilization of drilling and related equipment.
Complete installation of sampling pumps in ER-20-7, ER-20-8 #2 and ER-EC-11 wells.

Yucca Flat

Complete flow and transport model analysis and evaluation.

Rainier Mesa/Shoshone Mountain

Continue flow and transport model analysis and evaluation.

Industrial Sites:

Activities (October)

- On October 21, 2010, the Nevada State Railroad Museum moved a 25-ton locomotive from the Engine Maintenance Assembly and Disassembly (EMAD) facility in Area 25 of the Nevada National Security Site (NNSS) to the Museum's Boulder City location. Ownership of the locomotive had been transferred to the Nevada State Railroad Museum from the Department of Energy in 1997.
- Corrective Action Units (CAUs) 5, 107, 137, 139, 151, 204, 219, 274, 309, 357, 371,

383, 476, 477, 478, 482, 504, 538, 543, 546, 551, 552, and 559 (Non-Resource Conservation and Recovery Act [Non-RCRA])

- Conducted post-closure inspections
 - CAU 114, Area 25 Engine Maintenance, Assembly, and Disassembly (EMAD) Facility
- Continued evaporation basin monitoring and sampling
 - CAU 116, Area 25 Test Cell C Facility
- Continued field remediation activities
 - CAU 117, Area 26 Pluto Disassembly Facility
- Continued demolition of the building (funded by the American Recovery and Reinvestment Act [ARRA])
 - CAU 561, Waste Disposal Areas
- Completed all planned Decision I activities
 - CAU 566, EMAD Compound
- Initiated fieldwork activities

Planned Activities (November)

- CAU 114, Area 25 EMAD Facility
- Continue evaporation basin monitoring
- CAU 116, Area 25 Test Cell C Facility
- Continue field remediation activities
 - CAU 117, Area 26 Pluto Disassembly Facility
- Continue demolition of the building (funded by the ARRA)
 - CAU 539, Railroad Tracks
- Complete pre-field planning and initiate fieldwork activities
 - CAU 566, EMAD Compound
- Continue fieldwork activities

Soils:

Activities (October)

- Corrective Action Unit (CAU) 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
- Began field investigation activities (funded by the American Recovery and Reinvestment Act [ARRA])
 - CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters
- Continued field investigation activities (funded by the ARRA)
 - CAU 371, Johnnie Boy Crater and Pin Stripe
- Received State of Nevada Division of Environmental Protection (NDEP) approval for Final Corrective Action Decision Document/Closure Report (CADD/CR)
 - CAU 372, Area 20 Cabriolet/Palanquin Unit Craters
- Continued field investigation activities
 - CAU 374, Area 20 Schooner Unit Crater
- Continued field investigation activities (funded by the ARRA)
 - CAU 375, Area 30 Buggy Unit Craters
- Continued field investigation activities (funded by the ARRA)

Planned Activities (November)

- CAU 106, Areas 5, 11 Frenchman Flat Atmospheric Sites

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

Public Involvement:

Activities (October)

- The *Operation Clean Desert* display remained on exhibit at the Public Reading Room in Las Vegas throughout the month of October.
- The *Groundwater at the Nevada Test Site* poster remained on exhibit at the Beatty Library throughout the month of October.
- Two (2) EM News Flash articles were published, one on well drilling techniques and one on the Nevada Site Specific Advisory Board (NSSAB).
- Provided *Operation Clean Desert* classroom packets for the Clark County School District Multicultural New Teacher Event on October 1.
- Exhibited *Operation Clean Desert* display and distributed 126 *Operation Clean Desert* classroom packets during the Clark County School District K-12 Social Studies Community Resource and Field Trip Colloquium on October 19 at the Las Vegas Natural History Museum.
- In conjunction with the Emergency Preparedness Working Group, Nevada Site Office staff escorted representatives from three counties and 11 State of Nevada Division of Emergency Management officials on a Nevada National Security Site tour.

Planned Activities (November)

- Provide a *Groundwater at the Nevada Test Site* poster, Groundwater Qs & As, and an updated Environmental Management fact sheet booklet to the Amargosa Valley Library.
- Continue to exhibit an *Operation Clean Desert* display in the Las Vegas Public Reading Room throughout November.
- Continue to display the *Groundwater at the Nevada Test Site* poster in the Beatty library throughout November.
- Publish two (2) EM News Flash articles.
- Support the NSSAB Industrial Site and Soils Committees joint meeting November 2.
- Support the Nevada Site Specific Advisory Board (NSSAB) Full Board meeting November 10.
- Industrial Sites staff will escort Beatty Town Board members to the Nevada National Security Site November 13 to view the locomotives located near the Engine Maintenance Assembly and Disassembly facility. The Beatty Town Board is considering acquiring one of the locomotives.