

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

Low-Level Waste

Activities (August)

- As of August 28, 2011, the cumulative Low-Level Waste (LLW) volume received for FY 2011 is 1,514,726 ft³ in 2,208 shipments, and the cumulative Mixed LLW volume received for FY 2011 is 47,130 ft³ in 100 shipments.
- LLW Operations has worked 153,790 hours since its last lost-time accident (September 23, 2009).
- The Nevada Site Office Radioactive Waste Acceptance Program (RWAP) conducted four facility surveys in August at Wasten Advantage Inc in Tennessee (no findings or observations), Argonne in IL (one finding and two observations – 1st observation was because the generator needed to update training records, 2nd observation was because the generator had faded labels on some waste containers), Idaho National Laboratory (no findings or observations) and Los Alamos National Laboratory (on findings, two observations – 1st observation was because the Waste Certification Officer did not seem to be independent from operations, 2nd observation was because the generator did not enter a corrective action request into its tracking system). Due to the nature of the observations, these generators' certifications were allowed to continue. The generators have have 30 days to respond to the observations.

Planned Activities (September)

- The site expects to receive approximately 170,000 ft³ of LLW and MLLW for disposal during the month.

Underground Test Area

Activities (August)

- **Frenchman Flat**
 - Issued final/approved Corrective Action Decision Document/Corrective Action Plan Rev 1
 - Completed construction of ER-5-5 access road, drill pad and sumps and began construction of the ER-11-2 access road, drill pad and sumps (funded by the American Recovery and Reinvestment Act [ARRA])
- **Pahute Mesa**
 - Completed well development and testing of Well ER-20-8 lower zone
 - Initiated well development and testing of Well ER-20-4
 - Completed construction of the Well ER-EC-14 access road, drill pad and sumps
- **Yucca Flat**
 - Completing pre-emptive review of the preliminary flow and transport Phase I model document
 - Continued supplemental analyses of flow and transport modeling
- **Rainier Mesa/Shoshone Mountain**
 - Continued flow and transport model analysis and evaluation

Planned Activities (September)

- **Frenchman Flat**
 - Complete the construction of the Well ER-11-2 access road, drill pad and sumps (ARRA funded)
 - Complete draft Drilling Criteria document for the two proposed Model Evaluation Wells.

- **Pahute Mesa**
 - Complete well development and testing of the Well ER-20-4
 - Begin well development and testing of the Well ER-EC-12
- **Yucca Flat**
 - Continue supplemental analyses of flow and transport modeling
 - Close pre-emptive review of the preliminary flow and transport Phase I model document
- **Rainier Mesa/Shoshone Mountain**
 - Continue flow and transport model analysis and evaluation
 - Brief State of Nevada Division of Environmental Protection on flow and transport modeling status

Industrial Sites

Activities (August)

- Corrective Action Unit (CAU) 547, Miscellaneous Contaminated Waste Sites
 - Began closure activities
- CAU 561, Waste Disposal Areas
 - Submitted Final Corrective Action Decision Document/Closure Report (CADD/CR) to the State of Nevada Division of Environmental Protection (NDEP)
- CAU 566, Engine Maintenance, Assembly, and Disassembly (E-MAD) Compound
 - Received NDEP approval of the Final CR

Planned Activities (September)

- CAU 91, Area 3 U-3fi Injection Well
 - Perform post-closure inspections
- CAU 92, Area 6 Decon Pond Facility
 - Perform post-closure inspections
- CAU 110, Area 3 Waste Management Division (WMD) U-3ax/bl Crater
 - Perform post-closure inspections
- CAU 112, Area 23 Hazardous Waste Trenches
 - Perform post-closure inspections
- CAU 116, Area 25 Test Cell C Facility
 - Submit Final CR to NDEP
- CAU 547, Miscellaneous Contaminated Waste Sites
 - Submit Final CADD/Corrective Action Plan (CAP) to NDEP
 - Continue closure activities
- CAU 548, Areas 9, 10, 18, 19, and 20 Housekeeping Sites
 - Perform Phase II closure activities
- CAU 561, Waste Disposal Areas
 - Anticipate NDEP approval of the Final CADD/CR
 - Complete closure activities (installation of use restriction signs)
- CAU 562, Waste Systems
 - Begin closure activities

Soils:

Activities (August)

- Corrective Action Unit (CAU) 104, Area 7 Yucca Flat Atmospheric Test Sites

- Submitted Final Corrective Action Investigation Plan (CAIP) to the State of Nevada Division of Environmental Protection (NDEP)
- CAU 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
 - Received NDEP approval of the Final CAIP, Revision 1 (funded by the American Recovery and Reinvestment Act [ARRA])
- CAU 374, Area 20 Schooner Unit Crater
 - Received NDEP approval of the Final Corrective Action Decision Document/Closure Report (CADD/CR) (funded by ARRA)
- CAU 375, Area 30 Buggy Unit Craters
 - Submitted Final CADD/CR to NDEP
- CAU 574, Neptune
 - Submitted Final Streamlined Approach for Environmental Restoration (SAFER) Plan to NDEP

Planned Activities (September)

- CAU 104, Area 7 Yucca Flat Atmospheric Test Sites
 - Anticipate NDEP approval of the Final CAIP
- CAU 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
 - Submit Final CADD/CR to NDEP (funded by ARRA)
- CAU 365, Baneberry Contamination Area
 - Submit Final CADD/CR to NDEP (funded by ARRA)
 - Complete closure activities (installation of use restriction signs, waste disposal, and best management practice activities)
- CAU 366, Area 11 Plutonium Valley Dispersion Sites
 - Submit Final CAIP to NDEP
- CAU 375, Area 30 Buggy Unit Craters
 - Anticipate NDEP approval of the Final CADD/CR
- CAU 574, Neptune
 - Anticipate NDEP approval of the Final SAFER Plan

Public Involvement:

Activities (August)

- Reprinted and continued exhibit of the *Operation Clean Desert* display in the Las Vegas, NV Public Reading Room and provided an additional 200 activity books and 223 computer games for distribution to visitors
- 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
- Continued exhibit of *Groundwater at the Nevada National Security Site* poster to display at the Central Nevada Museum
- Published two EM News Flash articles: *Recent Tour Brings Community Members and the NNSS Groundwater Program Together; Moving Forward with Reverse 911*
- Updated the Area 5 Radioactive Waste Management Site brochure
- Supported Nevada Site-Specific Advisory Board meetings

Planned Activities (September)

- 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
- Continue exhibit of *Groundwater at the Nevada National Security Site* poster at the Central Nevada Museum
- Publish three EM News Flash articles
- Conduct the Draft SWEIS Open House/Public Hearings in Las Vegas (NV), St. George (UT), Pahrump (NV), Tonopah (NV) and Carson City (NV)
- Finalize updated Operation Clean Desert objectives and teacher materials (lesson plan, worksheet)
- Support Nevada Site-Specific Advisory Board meetings