

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

Low-Level Waste

Activities (July)

- As of July 31, 2011, the cumulative Low-Level Waste (LLW) volume received for FY 2011 is 1,323,869 ft³ in 1,992 shipments, and the cumulative Mixed LLW volume received for FY 2011 is 37,828 ft³ in 89 shipments.
- LLW Operations has worked 146,984 hours since its last lost-time accident (September 23, 2009).
- The Nevada Site Office Radioactive Waste Acceptance Program (RWAP) conducted one facility survey in July at PermaFix in Tennessee. The RWAP Surveillance team discovered seven observations and one issue resulting from a paperwork error and requiring a Corrective Action Request (CAR). Due to the nature of the issue, the generator's certification was not suspended and they will have 30 days to respond to the CAR.
- RWAP conducted five MLLW treatment verifications during July. These verifications are required by the MLLW permit to ensure compliance with the Resource Conservation and Recovery Act.
- The Nevada Site Office received the generators' FY 2012 through FY 2016 volume forecasts:

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|---------|---------------------------|
| FY 2012 | 1,352,000 ft ³ |
| FY 2013 | 683,000 ft ³ |
| FY 2014 | 843,000 ft ³ |
| FY 2015 | 1,075,000 ft ³ |
| FY 2016 | 681,000 ft ³ |

Planned Activities (August)

- The site expects to receive approximately 170,000 ft³ of LLW and MLLW for disposal during the month.
- RWAP will conduct four impromptu facility evaluations during the month.

Underground Test Area

Activities (July)

- **Frenchman Flat**
 - Issued Corrective Action Decision Document/Closure Report (CADD/CAP) Revision 1 for State of Nevada Division of Environmental Protection (NDEP) approval
 - Continued road and pad construction activities for two new model evaluation wells, ER-5-5 and ER-11-2 (funded by the American Recovery and Reinvestment Act [ARRA])
- **Pahute Mesa**
 - Completed well development and testing of Well ER-20-8 upper zone and initiated testing of the lower zone.
- **Yucca Flat**
 - Initiated supplemental analyses of flow and transport modeling
 - Initiated preemptive review of the flow and transport Phase I model with status report to NDEP
- **Rainier Mesa/Shoshone Mountain**
 - Issued Phase I Source Term Final Revision 0 report for NDEP review
 - Continued flow and transport model analysis and evaluation

Planned Activities (August)

- **Frenchman Flat**
 - Issue final/approved CADD/CAP Revision 1
 - Initiate re-survey of monitoring wells
 - Complete road and pad construction at ER-5-5 and continue activities on ER-11-2 (funded by the ARRA)
- **Pahute Mesa**
 - Complete well development and testing at Well ER-20-8 lower zone
 - Initiate well development and testing at Well ER-20-4
- **Yucca Flat**
 - Submit review comments on flow and transport Phase I model document
 - Continue supplemental analyses of flow and transport modeling
- **Rainier Mesa/Shoshone Mountain**
 - Continue flow and transport model analysis and evaluation

Industrial Sites

Activities (July)

- Corrective Action Unit (CAU) 539, Areas 25 and 26 Railroad Tracks
 - Received State of Nevada Division of environmental Protection (NDEP) approval on Final Closure Report (CR)
- CAU 547, Miscellaneous Contaminated Waste Sites
 - Completed preparation of the engineering design for the covers for the three Corrective Action Sites (CASs)
 - Conducted Data Quality Objective (DQO) meeting with NDEP
- CAU 548, Areas 9, 10, 18, 19, and 20 Housekeeping Sites
 - Performed housekeeping at Areas 9, 10, and 20 sites
- CAU 566, Engine Maintenance Assembly and Disassembly (EMAD) Compound
 - Relocated Engine Installation Vehicle and Manned Control Car railcars to CAU 114, EMAD via Federal Facility Agreement and Consent Order (FFACO) Modification

Planned Activities (August)

- CAU 547, Miscellaneous Contaminated Waste Sites
 - Begin closure activities at CAS 02-37-02
- CAU 561, Waste Disposal Areas
 - Submit Final CADD/CR to NDEP
- CAU 562, Waste Systems
 - Begin closure activities at Area 2 sites
- CAU 566, EMAD Compound
 - Anticipated NDEP approval of Final CR

Soils:

Activities (July)

- Corrective Action Unit (CAU) 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
 - Submitted Final Corrective action Investigation Plan (CAIP), Revision 1 to the State of Nevada Division of Environmental Protection (NDEP) (funded by the American Recovery and Reinvestment Act [ARRA])

- CAU 366, Area 11 Plutonium Valley Dispersion Sites
 - Conducted Data Quality Objective (DQO) meeting with NDEP
- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters
 - Received NDEP approval of Final Corrective Action Decision Document/Closure Report (CADD/CR) (funded by ARRA)
- CAU 374, Area 20 Schooner Unit Crater
 - Submitted Final CADD/CR to NDEP (funded by ARRA)
- CAU 465, Hydronuclear
 - Conducted DQO meeting with NDEP
- CAU 574, Neptune
 - Installed Thermoluminescent Dosimeters (TLDs) at the Blanca site (funded by ARRA)

Planned Activities (August)

- CAU 104, Area 7 Yucca Flat Atmospheric Test Site
 - Submit Final CAIP to NDEP
- CAU 106, Areas, 5, 11 Frenchman Flat Atmospheric Sites
 - Anticipated NDEP approval of Final CAIP, Revision 1 (funded by the ARRA)
- CAU 374, Area 20 Schooner Unit Crater
 - Anticipated NDEP approval of Final CADD/CR (funded by the ARRA)
- CAU 375, Area 30 Buggy Unit Craters
 - Submit Final CADD/CR to NDEP
- CAU 574, Neptune
 - Submit Final streamlined Approach for Environmental Restoration (SAFER) Plan to NDEP

Public Involvement:

Activities (July)

- 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
- Continued exhibit of *Groundwater at the Nevada National Security Site* poster to display at the Central Nevada Museum
- Provided support for:
 - July 19 groundwater well development and sampling tour of the Nevada National Security Site
 - July 20 Transportation Working Group meeting
 - July 25 Community Environmental Monitoring Program Workshop
- Published EM News Flash article: *NNSS Cleanup Sites Get More Bank for the RA Buck*

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- 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
- Participate in August 17 Clark County School District New Teacher Orientation Information Mall
- Support Nevada Site Specific Advisory Board committee meetings