

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

### **Low-Level Waste\**

#### **Activities (June)**

- As of June 26, 2011, the cumulative Low Level Waste (LLW) volume received for FY 2011 is 1,204,623 ft<sup>3</sup> in 1,816 shipments, and the cumulative Mixed LLW volume received for FY 2011 is 36,176 ft<sup>3</sup> in 87 shipments
- LLW Operations has worked 142,586 hours since its last lost-time accident (September 23, 2009).
- The Nevada Site Office Radioactive Waste Acceptance Program (RWAP) conducted three facility surveys in June. The generators surveyed were Boeing in California, Portsmouth in Ohio, and Pantex in Texas. Of the three surveys, the RWAP Surveillance team discovered four observations with the Pantex generator. However, no issues were discovered at any of the three sites that required a Correct Action Request (CAR).
- In response to the March 2011 CAR (see April report for details), Portsmouth has completed all items and the program has been certified to resume disposing LLW at the Nevada National Security Site.
- The LLW Updated Forecast indicates generators will dispose a total of 1.79 million ft<sup>3</sup> at the NNSS in FY 2011.

#### **Planned Activities (July)**

- The Area 5 Radioactive Waste Management Complex will be closed the week of July 3 for budgetary reasons.
- The site expects to receive approximately 180,000 ft<sup>3</sup> of LLW and MLLW for disposal during the month.
- RWAP will conduct two impromptu facility evaluations and one audit of the PermaFix approved generator in Oak Ridge, Tennessee.
- The LLW Sub-Project requested the generators forward their LLW forecasts for FY 2012 by July 25, 2011. The forecast will be available in August.

### **Underground Test Area (UGTA)**

#### **Activities (June)**

- **Frenchman Flat**
  - Began road and pad construction for two new model evaluation wells, ER-5-5 and ER-11-2 (funded by the American Recovery and Reinvestment Act).
- **Pahute Mesa**
- Continue well development, testing and sampling (WDTS) at Well ER-20-8.
- **Yucca Flat**
  - Preparation of the preliminary draft flow and transport model document is continuing as scheduled.
- **Rainier Mesa/Shoshone Mountain**
  - Continued flow and transport model analysis and evaluation as planned.

## Planned Activities (July)

- **Frenchman Flat**
  - Continue road and pad construction at ER-5-5 and ER-11-2 (funded by the American Recovery and Reinvestment Act [ARRA])
- **Pahute Mesa**
  - Continue WDTS at Well ER-20-8.
  - Begin rescheduled WDTS at Well ER-20-4.
- **Yucca Flat**
  - Continue preparation of the preliminary draft flow and transport model document.
- **Rainier Mesa/Shoshone Mountain**
  - Continue flow and transport model analysis and evaluation.
  - Continue “hot well” sampling at the U-12n Vent Hole #2.

## Industrial Sites

### Activities (June)

- Corrective Action Unit (CAU) 116, Area 25 Test Cell C Facility
  - Performed radiological surveys
  - Surveyed and transported lead for storage prior to recycling
- CAU 539, Areas 25 and 26 Railroad Tracks
  - Initiated and completed the posting of Use Restriction signs (funded by the American Recovery and Reinvestment Act [ARRA])
- CAU 544, Cellars, Mud pits, and Oil Spills
  - Submitted Final Closure Report (CR) to State of Nevada Division of Environmental Protection (NDEP)
- CAU 547, Miscellaneous Contaminated Waste Sites
  - Continued preparing the engineering design for the covers for the three Corrective Action Sites (CASs)
- CAU 561, Waste Disposal Areas
  - Completed remediation activities
- CAU 566, Engine Maintenance Assembly and Disassembly (EMAD) Compound
  - Completed waste management shipping activities
  - Installed Use Restriction signs
  - Submitted final CR to NDEP
- Maintenance and repair activities continued at the following Non-Resource Conservation and Recovery Act (RCRA) Post-Closure Sites (these sites include Industrial Sites CAUs and Soils CAUs):
  - CAU 5, Landfills
  - CAU 92, Area 6 Decon Pond Facility
  - CAU 113, Area 25 Reactor Maintenance, Assembly, and Disassembly (R-MAD) Facility
  - CAU 115, Area 25 Test Cell A Facility
  - CAU 118, Area 27 Super Kukla Facility
  - CAU 127, Areas 25 and 26 Storage Tanks
  - CAU 137, Waste Disposal Sites
  - CAU 139, Waste Disposal Sites
  - CAU 140, Waste Dumps, Burn Pits, and Storage Area
  - CAU 143, Area 25 Contaminated Waste Dumps

CAU 145, Wells and Storage Holes  
CAU 151, Septic Systems and Discharge Area  
CAU 165, Area 25 and 26 Dry Well and Washdown Areas  
CAU 168, Area 25 and 26 Contaminated Materials and Waste Dumps  
CAU 204, Storage Bunkers  
CAU 219, Septic Systems and Injection Wells  
CAU 254, Area 25 R-MAD Decontamination Facility  
CAU 261, Area 25 Test Cell A Leachfield System  
CAU 262, Area 25 Septic Systems and Underground Discharge Point (UDP)  
CAU 271, Areas 25, 26, and 27 Septic Systems  
CAU 274, Septic Systems  
CAU 309, Area 12 Muck Piles  
CAU 322, Areas 1 & 3 Release Sites and Injection Wells  
CAU 326, Areas 6 and 27 Release Sites  
CAU 333, U-3auS Disposal Site  
CAU 357, Mud Pits and Waste Dump  
CAU 383, Area 12 E-Tunnel Sites  
CAU 456, Area 23 Underground Storage Tank and Spill at the Nevada Test Site Office (NTSO) Building  
CAU 527, Horn Silver Mine  
CAU 528, Polychlorinated Biphenyls Contamination  
CAU 529, Area 25 Contaminated Materials  
CAU 538, Spill Sites  
CAU 542, Disposal Holes  
CAU 543, Liquid Disposal Units  
CAU 545, Dumps, Waste Disposal Sites, and Buried Radioactive Materials  
CAU 546, Injection Well and Surface Releases  
CAU 551, Area 12 Muck Piles  
CAU 552, Area 12 Muck Pile and Ponds  
CAU 554, Area 23 Release Site  
CAU 560, Septic Systems

#### Planned Activities (July)

- CAU 547, Miscellaneous Contaminated Waste Sites
  - Complete preparation of the engineering design for the covers of the three Corrective Action Sites (CASs)

#### **Soils:**

##### Activities (June)

- Conducted Soils quarterly meeting with the State of Nevada Division of Environmental Protection (NDEP) and contractors
- Corrective Action Unit (CAU) 104, Area 7 Yucca Flat Atmospheric Test Site
  - Completed the Data Quality Objective (DQO) meeting with NDEP
- Corrective Action Unit (CAU) 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
  - Completed field investigation activities (funded by the American Recovery and Reinvestment Act [ARRA])

- CAU 365, Baneberry Contamination Area
  - Completed waste management activities (funded by ARRA)
- CAU 366, Area 11 Plutonium Valley Dispersion Sites
  - Completed preliminary field activities
- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters
  - Completed preliminary field activities
  - Submitted Final Corrective Action Decision Document/Closure Report (CADD/CR) to the State of Nevada Division of Environmental Protection (NDEP)
- CAU 374, Area 20 Schooner Unit Crater
  - Completed waste management activities (funded by the ARRA)
- CAU 375, Area 30 Buggy Unit Craters
  - Completed waste management activities (funded by the ARRA)
- CAU 574, Neptune
  - Began field investigation activities (funded by ARRA)
- Maintenance and repair activities for calendar year 2011 were completed at the following Non-Resource Conservation and Recovery Act (RCRA) Post-Closure Sites:
  - CAU 107, Low Impact Soil Sites
  - CAU 370, T-4 Atmospheric Test Site
  - CAU 371, Johnnie Boy Crater and Pin Stripe

#### Planned Activities (July)

- CAU 366, Area 11 Plutonium Valley Dispersion Sites
  - Conduct the Data Quality Objective (DQO) meeting with State of Nevada Division of Environmental Protection (NDEP)
- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters
  - Approval of Final Corrective Action Decision Document/Closure Report (CADD/CR) to NDEP (funded by the ARRA)
- CAU 374, Area 20 Schooner Unit Crater
  - Submit Final CADD/CR to NDEP (funded by the ARRA)
- CAU 465, Hydronuclear
  - Conduct DQ) meeting with NDEP

#### **Public Involvement:**

##### Activities (June)

- 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 supported for:
  - June 2 Nevada Site Specific Advisory Board (NSSAB) Greater Than Class C Committee meeting

- June 8 NSSAB Full Board meeting
- June 14-16 Environmental Management Site-Specific Advisory Board (EM SSAB) Chairs' meeting and tour of the Nevada National Security Site
- June 16-17 EM SSAB Federal Coordinators/Administrators meeting
- Published EM News Flash articles: *Experts Share Updates on Groundwater, Nevada National Security Site Demonstrates Technology with Local School Partnership, Nevada Hosts National Advisory Board Meeting and Historical Disposal Area at NNSS Closed*
- Contributed articles to recent publications:  
SiteLines  
<http://www.nv.energy.gov/library/publications/sitelines/SiteLines.pdf>  
DOE HQ's EM Update  
[http://www.em.doe.gov/pdfs/EM\\_newsletter\\_Vol3\\_IssueNo10\\_FINAL\\_FINAL.pdf](http://www.em.doe.gov/pdfs/EM_newsletter_Vol3_IssueNo10_FINAL_FINAL.pdf)

#### Planned Activities (July)

- Continue exhibit of *Operation Clean Desert* display in the Las Vegas, NV Public Reading Room
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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 two EM News Flash articles
- Support Community Environmental Monitoring Program workshop being held the week of July 18, 2011
- Support the Transportation Working Group meeting on July 20, 2011
- Support a groundwater well development and sampling tour of the Nevada National Security Site on July 19, 2011