

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

Low-Level Waste (LLW)

Activities (December)

- As of December 19, 2010, the cumulative LLW volume received for FY 2011 is 447,953 ft³ in 586 shipments. The cumulative mixed low-level waste (MLLW) volume received for FY 2011 is 8,399 ft³ in 25 shipments.
- LLW Operations has worked 94,465 hours since its last lost-time accident (September 23, 2009).
- The Area 5 Radioactive Waste Management Complex (RWMC) closed from December 20 through January 2, 2011.
- The Nevada Site Office (NSO) and the NSO Contractor have completed the management self-assessment of the new mixed waste disposal unit. No waste has been disposed due to the December rain. Until the rainwater can be pumped out and the unit is dry, any MLLW received will be stored at the MW storage unit.
- During the weekend of December 17 – 19, 2010, the Area 5 RWMC received LLW shipments from the Portsmouth generator. Radiological Control Technicians (RCT) discovered two of the 47 trailers received had radioactive contamination inside. None of the packages removed from the two trailers showed any contamination. RWAP issued a Corrective Action Request (CAR) and the Portsmouth LLW shipments for this waste stream have been suspended until the CAR is closed. Portsmouth personnel met with Area 5 RWMC personnel the week of December 20, 2010 to review the contaminated trailers. After the Portsmouth visit, Nevada National Security Site personnel immobilized the contamination in the Portsmouth trailers and the trailers will be released in January. Portsmouth has 30 days to close the CAR.
- Regarding the September 20, 2010 Princeton LLW generator's transportation violation of the Nevada National Security Site (NNSS) Waste Acceptance Criteria, the Corrective Action Request was closed December 21 upon receipt objective evidence of implementation.

Planned Activities (January)

- The LLW Activity expects to receive approximately 213,000 ft³ of LLW and MLLW for disposal.
- The FY 2011 waste forecast will be updated.
- One RWAP audit will be conducted of the generator in Tennessee and two impromptu surveillances will be conducted.

Underground Test Area (UGTA)

Activities (December)

Frenchman Flat

- Begin interpretation of surface magnetometer survey.

Pahute Mesa

- Continued work on well completion reports for ER-EC-12, ER-20-4, and ER-EC-13.
- Began work on well completion report for ER-EC-15.
- Continued work on Geology Analysis and Evaluation.
- Submitted final version of Well Completion Report for ER-EC-11 to Nevada Site Office for approval to publish.

- Completed demobilization of the ER-EC-15 site, the last well for this drilling campaign.
- Completed annotated outline of Corrective Action Decision Document/Corrective Action Plan (CADD/CAP) for NDEP review.

Yucca Flat

- Continued flow and transport model analysis and evaluation.

Rainier Mesa/Shoshone Mountain

- Continued flow and transport model analysis and evaluation.

Planned Activities (January)

Frenchman Flat

- Continue interpretation of surface magnetometer survey.
- Begin preparation of CADD/CAP.

Pahute Mesa

- Continue work on well completion reports for ER-20-4, ER-EC-12, ER-EC-13, and ER-EC-15.
- 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.

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 (December)

- Corrective Action Units (CAU) 5, 113, 115, 118, 127, 137, 139, 140, 143, 145, 151, 165, 168, 204, 219, 254, 261, 262, 271, 274, 309, 322, 326, 333, 357, 383, 456, 476, 477, 478, 482, 504, 527, 528, 529, 538, 542, 543, 545, 546, 551, 552, 554, and 559
 - Completed post-closure inspections for CAUs on the NNSS
- CAUs 90, 92, 110 and 112
 - Perform post-closure RCRA inspections
- CAU 116, Area 25 Test Cell C Facility
 - Continued field remediation activities
- CAU 117, Area 26 Pluto Disassembly Facility
 - Continued shipping demolition debris (funded by the American Recovery and Reinvestment Act [ARRA])
- CAU 539, Railroad Tracks
 - Completed fieldwork activities (funded by the ARRA)

- CAU 544, Cellars, Mud Pits, and Oil Spills
 - Completed required field activities
- CAU 566, EMAD Compound
 - Continued fieldwork activities

Planned Activities (January)

- CAU 114, Area 25 EMAD Facility
 - Dispose of evaporation basin residue
- CAU 116, Area 25 Test Cell C Facility
 - Continue field remediation activities
- CAU 117, Area 26 Pluto Disassembly Facility
 - Complete shipping demolition debris (funded by the ARRA)
- CAU 544, Cellars, Mud Pits, and Oil Spills
 - Perform and complete required field activities
- CAU 566, EMAD Compound
 - Continue fieldwork activities

Soils:

Activities (December)

- 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])
- CAUs 107, 370, and 371
 - Completed post-closure inspections for CAUs on the NNSS
- CAU 365 Baneberry Contamination Area
 - Began field investigation activities (funded by the ARRA)
 - Submitted final Corrective Action Investigation Plan (CAIP) to the State of Nevada Division of Environmental Protection (NDEP)
- CAU 372, Area 20 Cabriole/Palanquin Unit Craters
 - Completed field investigation activities and began waste management activities
- CAU 374, Area 20 Schooner Unit Crater
 - Completed field investigation activities and began waste management activities (funded by the ARRA)
- CAU 375, Area 30 Buggy Unit Craters
 - Continued field investigation activities (funded by the ARRA)

Planned Activities (January)

- CAU 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
 - Continue field investigation activities (funded by the ARRA)
- CAU 365, Baneberry Contamination Area (funded by the ARRA)
 - Continue field investigation activities (funded by the ARRA)
- CAU 372, Area 20 Cabriole/Palanquin Unit Craters
 - Continue 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
 - Continue field investigation activities (funded by the ARRA)

Public Involvement:

Activities (December)

- Continued exhibit of *Groundwater at the Nevada Test Site* poster at the Amargosa Valley Library.
- Continued exhibit of *Operation Clean Desert* display in the Las Vegas Public Reading Room.
- Continued display of the *Groundwater at the Nevada Test Site* poster in the Beatty Library.
- Published Environmental Management (EM) News Flash article on Environmental Management information available at www.nv.energy.gov.
- Supported the December 13 NSSAB Industrial Site and Soils Committees joint meeting.
- Published revised *Operation Clean Desert* activity book, Volume 1 Number 3

Planned Activities (January)

- Continue exhibit of *Operation Clean Desert* display in the Las Vegas Public Reading Room.
- Continue exhibit of *Groundwater at the Nevada Test Site* poster at the Amargosa Valley Library.
- Replace the *Groundwater at the Nevada Test Site* poster in the Beatty library with an *Operation Clean Desert* poster, activity books, and computer games.
- Set up a *Groundwater at the Nevada National Security Site* poster at the Goldfield Library.
- Support the January 12 NSSAB Full Board meeting.
- Coordinate and support January 26 dedication event for the new mixed waste disposal unit.
- Publish two EM News Flash articles.