

Environmental Management's Monthly Report to the CAB
August 2010

Low-Level Waste (LLW)

Activities (July)

- As of July, 25, 2010, the cumulative LLW volume received for FY 2010 is 1,745,854 ft³ in 2,675 shipments. The cumulative mixed low-level waste (MLLW) volume received for FY 2010 is 50,508 ft³ in 69 shipments. (Partially funded by the American Recovery and Reinvestment Act)
- LLW Operations has worked 58,053 hours (provided by Rick Wagner) since its last lost-time accident (September 23, 2009).
- Radioactive Waste Acceptance Program (RWAP) personnel conducted one (1) Surveillance at Advanced Mixed Waste Treatment Project (AMWTP). During the Surveillance, RWAP discovered four (4) observations. AMWTP is currently evaluating and improve the areas within the observations. The observation response must be provided to the Nevada Site Office, no later than September 14, 2010, for review and acceptance by RWAP personnel.
- RWAP personnel conducted one (1) Surveillance at Los Alamos National Laboratory (LANL). During the Surveillance, RWAP discovered two observations which identified weaknesses in the LANL program. Both were resolved by LANL during the Surveillance.
- On July 27, the State of Nevada Division of Environmental Protection (NDEP) published "Public Notices" for the Mixed Waste Storage Unit, Explosive Ordnance Disposal Unit and Hazardous Waste Storage Unit. The Public Notices will be out for public comment for a 30-day period.
- The new permit for the mixed waste disposal until was formally issued on July 27, 2010. It takes effect December 1, 2010, and is valid for a 5-year period.

Planned Activities (August)

- The LLW Sub-Project expects to receive approximately 264,000 ft³ of LLW and Mixed Low Level Waste for disposal.
- RWAP will conduct a Surveillance the week of August 2 at the Oak Ridge Reservation and a Surveillance at the West Valley Decommissioning Project.

Underground Test Area (UGTA)

Activities (July)

- **Frenchman Flat**
 - Continued support to Peer Review effort.
 - Began planning for surface magnetometer survey
- **Pahute Mesa**
 - Continued work on the Well Completion Report for Well ER-EC-11.
 - Began work on geologic characterization of Well ER-EC-12
 - Continued work on Geology Analysis and Evaluation.
 - Continued Post Mortem analysis of Phase I modeling.
 - Completed construction of the ER-EC-13 access road, drill pad and sumps.
 - Began construction of the access road, drill pad and sumps at the ER-EC-15 site.
 - Completed construction of the ER-EC-12 well at a total depth of 4,069 ft.

- Began location-to-location move of drilling and related equipment from the ER-EC-12 site to the ER-20-4 site.
- **Yucca Flat**
 - Provided briefing of modeling status to State of Nevada Division of Environmental Protection on July 13.
 - Continued flow and transport model analysis and evaluation.
- **Rainier Mesa/Shoshone Mountain**
 - Continued flow and transport model analysis and evaluation.

Planned Activities (August)

- **Frenchman Flat**
 - Complete the peer review of the transport model.
 - Support surface magnetometer survey.
- **Pahute Mesa**
 - Begin work on the Well Completion report for Well ER-EC-12.
 - Complete the draft Well Completion Report for Well ER-EC-11 and the final Well Completion Report for Wells ER-20-8/ER-20-8#2.
 - Begin work on geologic characterization of Well ER-20-4
 - Complete construction of the access road, drill pad and sumps at the ER-EC-15 site.
 - Begin well development and testing activities in the ER-20-7 well.
 - Complete construction of the ER-20-4 well
 - Install conductor casing at the ER-EC-13 site and begin location-to-location move of drilling and related equipment from the ER-20-4 site to the ER-EC-13 site.
- **Yucca Flat**
 - Continue transport model analysis and evaluation.
- **Rainier Mesa/Shoshone Mountain**
 - Continue transport model analysis and evaluation.

Industrial Sites:

Activities (July)

- Corrective Action Unit (CAU) 113, Area 25 Reactor Maintenance, Assembly, and Disassembly (R-MAD) Facility
 - Completed segregation and size reduction of demolition debris and disposal of low-level waste (Funded by the American Recovery and Reinvestment Act [ARRA])
 - Began final decontamination, demobilization, and housekeeping activities (Funded by the ARRA)
- CAU 92, Area 6 Decon Pond Facility and CAU 112, Area 23 Hazardous Waste Trenches (Resource Conservation and Recovery Act [RCRA])
 - Completed vegetation removal for post-closure repairs
- CAU 114, Area 25 Engine Maintenance, Assembly, and Disassembly (EMAD) Facility
 - Received approval from State of Nevada Division of Environmental Protection (NDEP) for Streamlined Approach for Environmental Restoration (SAFER) Plan, Revision 1
 - Continued field remediation activities
- CAU 116, Area 25 Test Cell C Facility

- Began planning activities for field remediation
- CAU 117, Area 26 Pluto Disassembly Facility
 - Continued asbestos abatement, clearance, and preparation of the building for demolition (Funded by the ARRA)
 - Began final radiological verification status surveys (Funded by the ARRA)
- CAUs 400, 407, 424, 426, 453, 484, and 487 (Tonopah Test Range [TTR])
 - Received NDEP approval for Final Post-Closure Inspection Report (PCIR)
 - Completed post-closure repairs at CAU 453, Area 9 UXO Landfill
- CAU 408, Bomblet Target Area (TTR)
 - Completed field remediation activities (Funded by the ARRA)
- CAU 539, Areas 25 and 26 Railroad Tracks
 - Received approval from NDEP for Final SAFER Plan (Funded by the ARRA)
 - Continued pre-field planning activities (Funded by the ARRA)
- CAU 544, Cellars, Mud Pits, and Oil Spills
 - Submitted Final SAFER Plan to NDEP
 - Received approval from NDEP for Final SAFER Plan
- CAU 561, Waste Disposal Areas
 - Conducted Readiness Review
 - Completed pre-field planning activities
- CAU 566, EMAD Compound
 - Received approval from NDEP for Final SAFER Plan
 - Continued planning for SAFER field activities

Planned Activities (August)

- CAU 92, Area 6 Decon Pond Facility (RCRA)
 - Complete fence repair
- CAU 113, Area 25 R-MAD Facility
 - Complete final decontamination, demobilization, and housekeeping activities (Funded by the ARRA)
 - Post use restriction signs (Funded by the ARRA)
- CAU 114, Area 25 EMAD Facility
 - Complete fiscal year (FY) 2010 field remediation activities
- CAU 116, Area 25 Test Cell C Facility
 - Begin field remediation activities
- CAU 117, Area 26 Pluto Disassembly Facility
 - Complete asbestos abatement, clearance, and final radiological verification status surveys (Funded by the ARRA)
 - Begin mobilization for demolition of the building (Funded by the ARRA)
 - Continue field remediation activities (Funded by the ARRA)

- CAU 408, Bomblet Target Area (TTR)
 - Submit Draft Closure Report (CR) to NDEP (Funded by the ARRA)
- CAU 561, Waste Disposal Areas
 - Begin field activities
- CAU 562, Waste Systems
 - Submit Corrective Action Decision Document (CADD) to NDEP
- CAU 566, EMAD Compound
 - Conduct Readiness Review

Soils:

Activities (July)

- CAU 372, Area 20 Cabriole/Palanquin Unit Craters
 - Continued field investigation activities
- CAU 374, Area 20 Schooner Unit Crater
 - Completed field investigation activities (Funded by the ARRA)
- CAUs 411, 412, 413, and 414 (TTR)
 - Began field investigation activities

Planned Activities (August)

- CAU 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
 - Begin field remediation activities
- CAU 371, Johnnie Boy Crater and Pin Stripe
 - Submit Final Corrective Action Decision Document/Closure Report (CADD/CR) to NDEP
- CAU 372, Area 20 Cabriole/Palanquin Unit Craters
 - Complete field investigation activities
- CAU 375, Area 30 Buggy Unit Craters
 - Begin field remediation activities (Funded by the ARRA)
- CAUs 411, 412, 413, and 414 (TTR)
 - Continue field investigation activities

Public Involvement:

Activities (July)

- The *Operation Clean Desert* display remained on exhibit at the Public Reading Room throughout the month of July and 125 additional activity books were provided.
- The *Radioactive Waste Disposal at the Nevada Test Site, Historical Perspective* poster, mock drum of low-level waste, and the tabletop *Operation Clean Desert* displays remained on exhibit at the Pahrump Community Library throughout the month of July.
- A *Groundwater at the Nevada Test Site* poster remained on exhibit at the Beatty Library throughout the month of July.
- One EM News Flash article was published on the study of mountain lions at the Nevada Test Site.
- Supported the Community Advisory Board for Nevada Test Site Programs Full Board meeting on July 14.

- Mailed approximately 19,000 EM News Flash signup post cards to residents in Beatty, Amargosa Valley, Goldfield, Tonopah, Dyer, Silver Peak, Indian Springs, and the majority of zip codes in Pahrump.

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Planned Activities (August)

- An *Operation Clean Desert* display will continue to be exhibited in the Public Reading Room through August.
- A *Groundwater at the Nevada Test Site* poster will continue to be displayed in the Beatty, NV library through August.
- The *Radioactive Waste Disposal at the Nevada Test Site, Historical Perspective* poster, mock drum of low-level waste, and the tabletop *Operation Clean Desert* display will continue to be exhibited in the Pahrump Community Library through August.
- Public Involvement staff will promote *Operation Clean Desert* educational materials at the Mirage Educator Appreciation Day on August 12, 2010.
- Four EM News Flash articles are tentatively planned for publishing on the topics of American Reinvestment and Recovery Act impacts on radioactive waste disposal at the Nevada Test Site, sharing *Operation Clean Desert* with Clark County educators, Frenchman Flat Peer Review and R-MAD completion.
- Complete the mailing of approximately 4,000 EM News Flash signup post cards to residents in Pahrump.