

## **Environmental Management's Monthly Report to the CAB July 2010**

### **Low-Level Waste (LLW)**

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

- As of June, 27, 2010, the cumulative LLW volume received for FY 2010 is 1,536,967 ft<sup>3</sup> in 2,421 shipments. The cumulative mixed low-level waste (MLLW) volume received for FY 2010 is 46,398 ft<sup>3</sup> in 59 shipments. LLW Operations has worked 51,969 hours since its last lost-time accident (September 23, 2009).
- The LLW Sub-Project conducted one (1) Radioactive Waste Acceptance Program (RWAP) Impromptu Surveillance Los Alamos National Laboratory (LANL). During the surveillance, two (2) observations were discovered that LANL closed during the surveillance. The Nevada Division of Environmental Protection (NDEP) participated in the surveillance.
- RWAP conducted one (1) Audit at Argonne National Laboratory (ANL). During the Audit, RWAP discovered one observation regarding updating ANL's procedures to the latest Nevada Test Site Waste Acceptance Criteria requirements. ANL has 30 days to respond to the observation. NDEP participated in the surveillance.
- On June 29, 2010, the Nevada Site Office (NSO) submitted the Mixed Waste Storage Permit Application to NDEP. Located at individual facilities within the Area 5 Radioactive Waste Management Complex, this permit will bridge the gap between the closure of the current mixed waste disposal cell (on November 30, 2010) and when the new mixed waste disposal cell becomes operational (planned for March 2011).
- On June 29, 2010, the NSO submitted the Mixed Waste Disposal Unit (MWDU) Final Design to NDEP. NDEP will review the design and, if acceptable, will provide final permit approval which will allow for construction of a replacement MWDU to commence.

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

- The LLW Sub-Project expects to receive approximately 264,000 ft<sup>3</sup> of LLW and MLLW for disposal.
- The LLW Sub-Project plans to conduct one (1) RWAP Impromptu Surveillance.
- By July 30, the NSO is expecting the NDEP's responses, if any, to the Mixed Waste Storage Unit application and the Mixed Waste Disposal Unit Final Design.

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

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

- **Frenchman Flat**
  - Continued support to Peer Review effort. Received draft report from Peer Review for review.
- **Pahute Mesa**
  - Continued work on the Well Completion Report for Well ER-EC-11.
  - Continued work on Geology Analysis and Evaluation.
  - Continued Post Mortem analysis of Phase I modeling.
  - Completed repairs to the existing access road from the Nevada Test and Training Range boundary to the ER-EC-2A site. Completed construction of initial access road from ER-EC-2A site to the ER-EC-13 site and from ER-EC-13 to the ER-

EC-15 site. Began rough grading of drill pad and sump areas at the ER-EC-13 site.

- Mobilized and rigged-up drilling equipment and portable facilities on the ER-EC-12 site and initiated drilling.
- **Yucca Flat**
  - Continued flow and transport model analysis and evaluation.
  - Rainier Mesa/Shoshone Mountain
  - Continued flow and transport model analysis and evaluation.

#### Planned Activities (July)

- **Frenchman Flat**
  - Continue support to Peer Review effort.
- **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.
  - Complete the Post Mortem analysis of Phase I modeling and begin development of modeling strategies for Phase II.
  - Complete construction of the ER-EC-12 well, mobilize drilling equipment and begin well construction at the ER-20-4 site.
  - Complete construction of the access road, drill pad and sumps at the ER-EC-13 site and continue 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.
- **Yucca Flat**
  - Continue transport model analysis and evaluation.
  - Provide briefing of modeling status to Nevada Division of Environmental Protection.
- **Rainier Mesa/Shoshone Mountain**
  - Continue transport model analysis and evaluation.

#### Industrial Sites:

##### Activities (June)

- Corrective Action Units (CAUs) 90, 92, 110, and 112 (Resource Conservation and Recovery Act [RCRA])
  - Conducted post-closure inspections
- CAU 113, Area 25 Reactor Maintenance, Assembly, and Disassembly (R-MAD) Facility
  - Continued segregation and size reduction of demolition debris and disposal of low-level waste (Funded by the American Recovery and Reinvestment Act)
- CAU 114, Area 25 Engine Maintenance, Assembly, and Disassembly (EMAD) Facility
  - Submitted Streamlined Approach for Environmental Restoration (SAFER) Plan, Revision 1, to Nevada Division of Environmental Protection (NDEP)
  - Continued field remediation activities
- CAU 117, Area 26 Pluto Disassembly Facility
  - Continued asbestos abatement and continued preparation of the building for demolition (Funded by the American Recovery and Reinvestment Act)
- CAUs 400, 407, and 426 (Tonopah Test Range [TTR])

- Performed annual vegetation survey
- CAUs 400, 407, 424, 426, 453, 484, and 487 (TTR)
  - Submitted Final Post-Closure Inspection Report (PCIR) to NDEP
- CAU 408, Bomblet Target Area (TTR)
  - Continued field remediation activities (Funded by the American Recovery and Reinvestment Act)
- CAU 539, Areas 25 and 26 Railroad Tracks
  - Installed the thermoluminescent dosimeters (TLDs) (Funded by the American Recovery and Reinvestment Act)
  - Submitted final SAFER Plan to NDEP (Funded by the American Recovery and Reinvestment Act)
- CAU 566, EMAD Compound
  - Submitted Final SAFER Plan to NDEP
  - Continued planning for SAFER field activities

#### Planned Activities (July)

- CAU 113, Area 25 R-MAD Facility
  - Complete segregation and size reduction of demolition debris and disposal of low-level waste (Funded by the American Recovery and Reinvestment Act)
- CAU 114, Area 25 EMAD Facility
  - Continue field remediation activities
- Receive approval from NDEP for Final SAFER Plan, Revision 1
  - CAU 116, Area 25 Test Cell C Facility
- Begin field remediation activities
  - CAU 117, Area 26 Pluto Disassembly Facility
  - Continue asbestos abatement and preparation of the building for demolition (Funded by the American Recovery and Reinvestment Act)
- CAUs 400, 407, 424, 426, 453, 484, and 487 (TTR)
  - Receive NDEP approval for the Final PCIR
- CAU 408, Bomblet Target Area (TTR)
  - Complete field remediation activities (Funded by the American Recovery and Reinvestment Act)
  - CAU 539, Areas 25 and 26 Railroad Tracks
  - Receive approval from NDEP for Final SAFER Plan (Funded by the American Recovery and Reinvestment Act)
- CAU 544, Cellars, Mud Pits, and Oil Spills
  - Submit Final SAFER Plan to NDEP
- CAU 561, Waste Disposal Areas
  - Conduct Readiness Review
- CAU 566, EMAD Compound
  - Continue planning for SAFER field activities
- Receive approval from NDEP for Final SAFER Plan

#### Soils:

##### Activities (June)

- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters

- Completed field investigation activities (Funded by the American Recovery and Reinvestment Act)
- CAU 374, Area 20 Schooner Unit Crater
  - Continued field investigation activities (Funded by the American Recovery and Reinvestment Act)

#### Planned Activities (July)

- 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 374, Area 20 Schooner Unit Crater
  - Complete field investigation activities (Funded by the American Recovery and Reinvestment Act)
- CAUs 411, 412, 413, and 414 (Tonopah Test Range)
  - Begin field investigation activities

#### Public Involvement

##### Activities (June)

- The *Operation Clean Desert* display remained on exhibit at the Public Reading Room throughout the month of June.
- 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 was setup in the Pahrump Community Library on June 3, 2010 for exhibition throughout the summer.
- Members of the Community Advisory Board for Nevada Test Site Programs were given a tour of the Nevada Test Site on June 17, 2010.
- A *Nevada Test Site and Operation Clean Desert* briefing was presented to a Pahrump, NV youth group on June 17, 2010.
- A *Groundwater at the Nevada Test Site* poster was setup in the Beatty Library on June 22, 2010 for display throughout the summer and, possibly indefinitely.
- Three EM News Flashes were published on *Operation Clean Desert* outreach, groundwater well drilling and American Reinvestment and Recovery Act funding for innovative technologies.

##### Planned Activities (July)

- An *Operation Clean Desert* display will continue to be exhibited in the Public Reading Room through July.
- A *Groundwater at the Nevada Test Site* poster will continue to be displayed in the Beatty, NV library through July.
- 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 July.
- Three EM News Flash articles are tentatively planned for publishing on the topics of the USGS mountain lion study, groundwater and the new mixed waste disposal unit.
- Nevada Site Office staff will participate in a Community Advisory Board for Nevada Test Site Programs full board meeting on July 14.