

## **Environmental Management's Monthly Report to the CAB December 2009**

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

#### **Activities (November)**

- As of November 27, 2009, the cumulative LLW volume received for FY 2010 is 228,947 ft<sup>3</sup> in 385 shipments. The cumulative mixed low-level waste (MLLW) volume received for FY 2010 is 9,903 ft<sup>3</sup> in 19 shipments. LLW Operations has worked 10,634 hours since its last lost-time accident (September 2009).
- During the month of November, the LLW Sub-Project conducted three (3) Radioactive Waste Acceptance Program (RWAP) impromptu surveys on Paducah in KY, Duratek in Oak Ridge, TN, and Materials & Energy Corporation in Oak Ridge, TN.
- An Argonne shipment, en route to the NTS, traveled through the Las Vegas Valley on November 23, 2009. A RWAP Corrective Action Request was submitted to Argonne to ensure appropriate actions are taken to prevent re-occurrence.
- During the week of November 23, Perma-Fix (Oak Ridge, TN) shipped approved LLW to the NTS. Upon arrival, the waste was verified to be disposal compliant, however, it was determined by the generator that the containers did not meet Department of Transportation regulations. The containers did not breach and no contamination was found. The Nevada Site Office has issued a Corrective Action Request to ensure this incident is not repeated. A decision was made to dispose of the waste at the NTS rather than repackaging and returning to the generator location.

#### **Planned Activities (December)**

- Expect to receive approximately 117,000 ft<sup>3</sup> of LLW and MLLW for disposal during the month.
- Bids from Venders are due to NSTec for the MLLW cell build/design contract by December 1, 2009.
- Nevada Site Office Waste Management Project representatives will make a presentation on NTS disposal activities and initiatives at the Perma-Fix 9<sup>th</sup> Annual Mixed and Low-Level Waste Management Forum in Nashville the week of December 7<sup>th</sup>. In addition, a display on the *Proposed Construction of a New Mixed Low-Level Waste Disposal Cell at the NTS* will be the focus of the NTS exhibit at the Forum.
- During the month December, the LLW Sub-Project plans to conduct two (2) RWAP Impromptu Surveillances.

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

#### **Activities (November)**

- Frenchman Flat
  - Continue model documentation and the peer review.
- Pahute Mesa
  - Field stake, and conduct initial land surveys of access roads and drill pad areas and conduct ecological surveys for well sites ER-EC-15 and ER-20-9.
  - Begin construction of access road, drill pad and sumps for the ER-EC-12 well.
  - Begin well development, testing and sampling (WDTS) activities of ER-20-8 #2.
- Yucca Flat
  - Continue transport modeling and model documentation.
- Rainier Mesa/Shoshone Mountain

- Continue flow and transport, modeling efforts.

#### Planned Activities (December)

- Frenchman Flat
  - Phase II Transport document for Nevada Division of Environmental Protection review.
  - Continue preparation for Peer Review
- Pahute Mesa
  - Continue WDTS at ER-20-8 #2.
  - Begin WDTS at ER-20-7
- Yucca Flat
  - Continue transport modeling and model documentation.
- Rainier Mesa/Shoshone Mountain
  - Continue flow and transport modeling efforts.

#### **Industrial Sites**

##### Activities (November)

- Corrective Action unit (CAU) 113, Area 25 R-MAD Facility (American Recovery and Reinvestment Act funded)
  - Completed site setup activities
  - Began demolition activities
- CAU 117, Area 26 Pluto Disassembly Facility (American Recovery and Reinvestment Act funded)
  - Performed site setup activities
- CAU 408, Bomblet Target Area at the Tonopah Test Range (American Recovery and Reinvestment Act funded)
  - Continued field remediation activities
- CAU 560, Septic Systems
  - Performed field remediation activities
- CAU 562, Waste Systems
  - Performed Decision II soil sampling

##### Planned Activities (December)

- CAU 113, Area 25 R-MAD Facility (American Recovery and Reinvestment Act funded)
  - Continue demolition activities
- CAU 117, Area 26 Pluto Disassembly Facility (American Recovery and Reinvestment Act funded)
  - Begin demolition activities
- CAU 408, Bomblet Target Area at the Tonopah Test Range (American Recovery and Reinvestment Act funded)
  - Perform field remediation activities
- CAU 560, Septic Systems
  - Perform field remediation activities
- CAU 562, Waste Systems
  - Complete Decision II sampling activities

#### **Soils**

##### Activities (November)

- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters (American Recovery and Reinvestment Act funded)

- Performed aerial radiological surveys
- CAU 372, Area 20 Cabriole/Palanquin Unit Craters
  - Performed field investigation activities
- CAU 374, Area 20 Schooner Unit Crater (American Recovery and Reinvestment Act funded)
  - Conducted Data Quality Objectives (DQO) Meeting

Planned Activities (December)

- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters (American Recovery and Reinvestment Act funded)
  - Submit Final Corrective Action Investigation Plan (CAIP) to Nevada Division of Environmental Protection
  - Perform aerial radiological surveys
- CAU 371, Johnnie Boy Crater and Pin Stripe
  - Conduct Corrective Action Alternative Meeting
- CAU 372, Area 20 Cabriole/Palanquin Unit Craters
  - Continue field investigation activities
- CAU 375, Area 30 Buggy Unit Craters (American Recovery and Reinvestment Act funded)
  - Conduct DQO Meeting
  - Conduct site visit with Nevada Division of Environmental Protection

**Public Involvement**

Activities (November)

- Published an EM News Flash article, “Tonopah Test Range Bomblet Target Areas to be Cleared,” on November 10, 2009.
- Environmental Management Public Involvement participated in the bimonthly CHOLLA (Connecting Hands: Offering Lifelong Learning Adventures) meeting at the Springs Preserve on November 17, 2009.
- 125 copies of the Operation Clean Desert activity book and 300 copies of the computer game were provided to H.O.P.E. Counseling Services ([www.hopecounselingservices.net](http://www.hopecounselingservices.net)) on November 19, 2009.
- Participated in Community Advisory Board activities.

Planned Activities (December)

- Publishing an EM News Flash article updating UGTA drilling and sampling activities and submitting it for the DOE HQ newsletter.
- Publishing an EM News Flash article on demolition activities at the Reactor Maintenance, Assembly, and Disassembly (R-MAD) Building.
- Participate in Community Advisory Board activities.