

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

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

#### **Activities (August)**

- As of August, 29, the cumulative LLW volume received for FY 2010 is 2,010,803 ft<sup>3</sup> in 2,288 shipments. The cumulative mixed low-level waste (MLLW) volume received for FY 2010 is 60,386 ft<sup>3</sup> in 87 shipments. (Partially funded by the American Recovery and Reinvestment Act)
- LLW Operations has worked 67,360 hours since its last lost-time accident (September 23, 2009).
- Radioactive Waste Acceptance Program (RWAP) personnel conducted two (2) surveillances at Oak Ridge Reservation (ORR) in Tennessee on August 4-8, and West Valley (WV) in New York on August 16-20. During the surveillance, RWAP discovered four (4) observations at the ORR. ORR has until October 2 to evaluate and reply to RWAP for review and acceptance. RWAP did not discover any findings or observations during the WV surveillance.
- RWAP personnel conducted one (1) audit at the Savannah River National Laboratory (SRNL) in South Carolina on August 23-26. During the audit, RWAP discovered eight (8) observations and one (1) finding. SRNL has until has until October 25 to evaluate and reply to RWAP for review and acceptance.
- Construction of the new mixed waste disposal unit started the week of August 8. The new cell is schedule to be ready to accept waste in the 2<sup>nd</sup> Quarter 2011.

#### **Planned Activities (September)**

- The LLW Sub-Project expects to receive approximately 214,000 ft<sup>3</sup> of LLW and MLLW for disposal. (Partially funded by the American Recovery and Reinvestment Act)
- On September 20, the State of Nevada Division of Environmental Protection (NDEP) will accompany the NSO and RWAP on a site visit at SRNL. This visit is to review a waste stream at SRNL. NDEP will also observe RWAP as it conducts its verification of SRNL corrective action plans that were generated from the August 23-26 audit.
- RWAP will conduct two impromptu surveillances during the month of September.
- RWAP will conduct a mixed waste verification at Waste Control Specialists in Texas the week of September 20.

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

#### **Activities (August)**

- **Frenchman Flat**
  - Successfully completed peer review. The outcome was positive with the peer review group recommending moving to the Corrective Action Decision Document/Corrective Action Plan phase.
  - Continued support of the magnetometer survey which will help in siting the first two monitoring wells
- **Pahute Mesa**
  - Initiated drilling at ER-20-4
  - Continued work on Geology Analysis and Evaluation.
  - Continue work on well completion report for ER-EC-12

- Continue construction of ER-EC-13 access road, drill pad and sumps
- Continue construction of ER-EC-15 access road, drill pad and sumps
- Reviewing 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.
- At Well ER-20-4, there was a stop work due to a near-miss around the flow line. The flow line was redesigned and work resumed. As a result, work was delayed approximately three (3) weeks.
- **Yucca Flat**
  - Completed modeling briefing to State of Nevada Division of Environmental Protection
  - Continued flow and transport model analysis and evaluation
- **Rainier Mesa/Shoshone Mountain**
  - Continued flow and transport model analysis and evaluation

Planned Activities (September)

- **Frenchman Flat**
  - Publish peer review final report.
  - Continue support to surface magnetometer survey
- **Pahute Mesa**
  - Complete construction of ER-20-4
  - Install conductor casing at ER-EC-13
  - Mobilize drilling and related equipment from ER-20-4 to ER-EC-13
  - Complete construction of ER-EC-15 access road, drill pad and sumps
  - Begin Well Development and Testing of ER-20-7
  - Continue draft Well Completion Report for ER-EC-11
  - Continue final Well Completion Report for wells ER-20-8 and ER-20-8 #2
  - Begin Well Completion Report for ER-EC-12
- **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 (August)

- Corrective Action Unit (CAU) 92, Area 6 Decon Pond Facility
  - Completed fence repair
- CAU 113, Area 25 Reactor Maintenance, Assembly, and Disassembly (R-MAD) Facility
  - Completed final decontamination, demobilization, waste disposal, and housekeeping activities (funded by the American Recovery and Reinvestment Act [ARRA])
  - Posted use restriction signs (funded by the ARRA)
  - Began preparation of the Addendum to the Closure Report (CR) (funded by the ARRA)
- CAU 114, Area 25 Engine Maintenance, Assembly, and Disassembly (EMAD) Facility
  - Completed tapping and draining of non-rad systems (This completes fiscal year [FY] 2010 field remediation activities, except for the continued observation of the chiller water evaporation basin.)

- CAU 116, Area 25 Test Cell C Facility
  - Began field remediation activities
  - Began Asbestos Hazard Emergency Response Act (AHERA) Investigation, paint sampling, and radiological pipe investigation in Building 3210
- CAU 117, Area 26 Pluto Disassembly Facility
  - Completed asbestos abatement and clearance; final radiological verification status surveys (funded by the ARRA)
  - Began mobilization for demolition of the building (funded by the ARRA)
  - Continued field remediation activities (funded by the ARRA)
- CAU 408, Bomblet Target Area (Tonopah Test Range [TTR])
  - Completed field work (funded by the ARRA)
- CAU 561, Waste Disposal Areas
  - Initiated field activities
- CAU 562, Waste Systems
  - Submitted Final Corrective Action Decision Document (CADD) to State of Nevada Division of Environmental Protection (NDEP)
- CAU 566, EMAD Compound
  - Conducted Readiness Review

#### Planned Activities (September)

- CAU 110, Area 3 Waste Management Disposal U-3ax/bl Crater
  - Conduct Subsidence Survey
- CAU 114, Area 25 EMAD Facility
  - Complete evaporation basin monitoring and demo basin
- CAU 116, Area 25 Test Cell C Facility
  - Continue field remediation activities
  - Complete AHERA investigation, paint sampling, and pipe investigation
  - Begin removal of radiologically-contaminated pipe and remaining hazardous materials within Building 3210
- CAU 117, Area 26 Pluto Disassembly Facility
  - Continue mobilization for demolition of the building (funded by the ARRA)
  - Continue field remediation activities (funded by the ARRA)
  - Begin demolition of the facility (funded by the ARRA)
- CAU 408, Bomblet Target Area (TTR)
  - Submit Final CR to NDEP (funded by the ARRA)
- CAU 561, Waste Disposal Areas
  - Continue field activities
- CAU 562, Waste Systems
  - Receive NDEP approval for Final CADD

#### **Soils:**

##### Activities (August)

- Corrective Action Unit (CAU) 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
  - Began field investigation activities
- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters
  - Continued field investigation activities

- CAU 371, Johnnie Boy Crater and Pin Stripe
  - Submitted Final Corrective Action Decision Document/Closure Report (CADD/CR) to State of Nevada Division of Environmental Protection (NDEP)
- CAU 372, Area 20 Cabriole/Palanquin Unit Craters
  - Continued field investigation activities
- CAU 374, Area 20 Schooner Unit Crater
  - Continued field investigation activities
- CAU 375, Area 30 Buggy Unit Craters
  - Began field investigation activities (funded by the ARRA)
  - Began yard housekeeping cleanup for Test Cell A
- CAUs 411, 412, 413, and 414 (Tonopah Test Range [TTR])
  - Continued field investigation activities

#### Planned Activities (September)

- CAU 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
  - Continue field investigation activities
- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters
  - Continue field investigation activities
- CAU 371, Johnnie Boy Crater and Pin Stripe
  - Receive NDEP approval for Final CADD/CR
- CAU 372, Area 20 Cabriole/Palanquin Unit Craters
  - Complete field investigation activities
- CAU 374, Area 20 Schooner Unit Crater
  - Continue field investigation activities
- CAU 375, Area 30 Buggy Unit Craters
  - Continue field investigation activities (funded by the ARRA)
  - Complete yard housekeeping cleanup for Test Cell A
- CAUs 411, 412, 413, and 414 (TTR)
  - Complete field investigation activities

#### **Public Involvement:**

##### Activities (August)

- Nevada Site Office staff promoted and distributed *Operation Clean Desert* educational materials at The Mirage Educator Appreciation Day on August 12.
- The *Operation Clean Desert* display remained on exhibit at the Public Reading Room in Las Vegas throughout the month of August and 200 additional activity books and computer games were provided for distribution.
- 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 through August 26.
- A *Groundwater at the Nevada Test Site* poster remained on exhibit at the Beatty Library throughout the month of August.
- Three (3) EM News Flash articles were published on disposal facilities supporting complex-wide cleanup, completion of R-MAD and *Operation Clean Desert* learning materials for teachers at The Mirage Educator Appreciation Day.

- Completed the mailing of approximately 4,000 EM News Flash signup post cards to residents in Pahrump. As of August 27, this mailing campaign resulted in the addition of 51 people to the EM News Flash distribution list.
- Began communicating with West Career and Technical Academy (Clark County School District magnet high school) to explore partnering opportunities with the school – including a Community Advisory Board (CAB) student liaison.
- Supported the Community Advisory Board for Nevada Test Site Programs Transportation/Waste Committee meeting on August 10.

Planned Activities (September)

- An *Operation Clean Desert* display will continue to be exhibited in the Public Reading Room in Las Vegas throughout September.
- A *Groundwater at the Nevada Test Site* poster will continue to be displayed in the Beatty, NV library throughout September.
- Four (4) EM News Flash articles are tentatively planned for publication.
- Support the Community Advisory Board for Nevada Test Site Programs Full Board meeting on September 1.
- Attend the Environmental Management Site-Specific Advisory Board National Chairs meeting in Santa Fe, New Mexico.