

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

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

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

- As of September 26, 2010, the cumulative LLW volume received for FY 2010 is 2,208,063 ft<sup>3</sup> in 3,222 shipments. The cumulative mixed low-level waste (MLLW) volume received for FY 2010 is 63,142 ft<sup>3</sup> in 94 shipments. (Partially funded by the American Recovery and Reinvestment Act)
- LLW Operations has worked 74,533 hours since its last lost-time accident (September 23, 2009).
- Radioactive Waste Acceptance Program (RWAP) personnel conducted one (1) surveillance of Portsmouth (PORTS) in Ohio. During the surveillance, RWAP discovered three (3) observations. PORTS has until October 29h to evaluate and reply to RWAP for review and acceptance.
- Environmental Management Headquarters, Nevada Site Office and State of Nevada Division of Environmental Protection (NDEP) staff completed a waste stream verification at the Savannah River Site.
- Construction of the new mixed waste disposal unit continues. The cell has been excavated and the liner is being installed. The new cell is schedule to be ready to accept waste in the 2<sup>nd</sup> Quarter 2011.
- On September 20, 2010, the LLW Sub-Project received notice that the Princeton LLW Generator's transportation provider violated the Nevada National Security Site (NNSS) Waste Acceptance Criteria and the instructions of Princeton by transporting LLW through the Las Vegas metropolitan area. The transportation provider followed I-15 to Craig, Craig to US-95, and US-95 to the NNSS. RWAP issued a Corrective Action Request to the generator for the violation. The Corrective Action Request and its Corrective Action Plan will be tracked until closed.

#### **Planned Activities (October)**

- The FY 2011 LLW forecast is 1,780,894 ft<sup>3</sup> and MLLW forecast is 159,582 ft<sup>3</sup>
- The LLW Sub-Project expects to receive approximately 225,044 ft<sup>3</sup> of LLW and MLLW for disposal. (Partially funded by the American Recovery and Reinvestment Act)
- RWAP will conduct one (1) Audit of NSTec in Nevada and one (1) impromptu surveillance during the month of October.

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

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

- **Frenchman Flat**
  - Published Frenchman Flat Peer Review Recommendations report.
  - Published Frenchman Flat Risk-Based Groundwater Compliance Strategy document.
  - Submitted Frenchman Flat Model Evaluation Plan for State of Nevada Division of Environmental Protection (NDEP) review.
- **Pahute Mesa**
  - Completed final Well Completion Report for ER-EC-11.
  - Completed final Well Completion Report for wells ER-20-8 and ER-20-8 #2.

- Continued work on well completion report for ER-EC-12.
- Continued work on Geology Analysis and Evaluation.
- Completed construction of the ER-20-4 well.
- Completed construction of the ER-EC-13 conductor hole and began construction of the
- ER-EC-13 well (funded by the American Recovery and Reinvestment Act [ARRA])
- Completed Well Development and Testing of ER-20-7.
- **Yucca Flat**
  - Continued flow and transport model analysis and evaluation.
- **Rainier Mesa/Shoshone Mountain**
  - Continued flow and transport model analysis and evaluation.

#### Planned Activities (October)

- **Frenchman Flat**
  - Complete surface magnetometer survey.
- **Pahute Mesa**
  - Continue work on well completion report for ER-20-4.
  - Continue work on well completion report for ER-EC-12.
  - Begin well completion report for ER-EC-13.
  - 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.
  - Complete construction of the ER-EC-13 well (ARRA Funded)
  - Complete construction of the ER-EC-15 drill pad and sumps
  - Complete construction of the ER-EC-15 conductor hole and begin construction of the well.
- **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 (September)

- Corrective Action Units (CAUs) 92, 139, 326, 342, 383, 456, and 528 (Non-Resource Conservation and Recovery Action [Non-RCRA])
  - Conducted post-closure inspections
- CAU 110, Area 3 Waste Management Division (WMD) U-3ax/bl Crater
  - Conducted Subsidence Survey
- CAU 114, Area 25 Engine Maintenance, Assembly, and Disassembly (EMAD) Facility
  - Completed evaporation basin monitoring and sampling
- CAU 116, Area 25 Test Cell C Facility
  - Continued field remediation activities
- CAU 117, Area 26 Pluto Disassembly Facility
  - Began demolition of the building (funded by the American Recovery and Reinvestment Act [ARRA])
- CAU 408, Bomblet Target Area Tonopah Test Range (TTR)

- Submitted and received Nevada Division of Environmental Protection (NDEP) approval for Final Closure Report (CR) (funded by the ARRA)
- CAU 561, Waste Disposal Areas
  - Completed all planned field activities
- Post-Closure Monitoring, Multiple CAUs
  - Completed Use Restriction (UR) and Administrative UR sign installation at multiple CAUs

Planned Activities (October)

- CAU 116, Area 25 Test Cell C Facility
  - Continue field remediation activities
- CAU 117, Area 26 Pluto Disassembly Facility
  - Continue demolition of the facility (funded by the ARRA)
- CAU 539, Railroad Tracks
  - Initiate fieldwork activities
- CAU 566, EMAD Compound
  - Initiate fieldwork activities

**Soils:**

Activities (September)

- Corrective Action Unit (CAU) 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
  - Began field investigation activities (funded by the ARRA)
- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters
  - Continued field investigation activities (funded by the ARRA)
- CAU 371, Johnnie Boy Crater and Pin Stripe
  - Received State of Nevada Division of Environmental Protection (NDEP) approval for Final Corrective Action Decision Document/Closure Report (CADD/CR)
- CAU 372, Area 20 Cabriolet/Palanquin Unit Craters
  - Continued field investigation activities
- CAU 374, Area 20 Schooner Unit Crater
  - Continued field investigation activities (funded by the ARRA)
- CAU 375, Area 30 Buggy Unit Craters
  - Continued field investigation activities (funded by the ARRA)
- CAUs 411, 412, 413, and 414 Tonopah Test Range (TTR)
  - Completed field investigation activities

Planned Activities (October)

- CAU 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
  - Continue field investigation activities (funded by the ARRA)
- CAU 374, Area 20 Schooner Unit Crater
  - Continue field investigation activities (funded by the ARRA)
- CAU 375, Area 30 Buggy Unit Craters
  - Continue field investigation activities (funded by the ARRA)

**Public Involvement:**

Activities (September)

- The *Operation Clean Desert* display remained on exhibit at the Public Reading Room in Las Vegas throughout the month of September.
- The *Groundwater at the Nevada Test Site* poster remained on exhibit at the Beatty Library throughout the month of September.
- Four (4) EM News Flash articles were published on Frenchman Flat peer review findings, Industrial Sites activities resulting from Recovery Act funding, RadWaste Summit discussions, and the release of the 2009 Nevada Test Site Environmental Report.
- Presented an Environmental Management overview presentation to the Theme Coordinator and GIS, Engineering, and Environmental Science Program Leaders at West Career and Technical Academy (Clark County School District magnet high school) on September 8, 2010.
- Participated in an organizing committee meeting for the May 2011 Las Vegas Science Festival.
- Participated in the educational outreach group CHOLLA (Connecting Hands: Offering Lifelong Learning Adventures) monthly meeting on September 21, 2010.

#### Planned Activities (October)

- Continue to exhibit an *Operation Clean Desert* display in the Las Vegas Public Reading Room throughout October.
- Continue to display the *Groundwater at the Nevada Test Site* poster in the Beatty, NV library throughout October.
- Provide *Operation Clean Desert* classroom packets for the Clark County School District Multicultural New Teacher Event on October 1, 2010.
- Exhibit *Operation Clean Desert* classroom materials and other Environmental Management information during the Clark County School District 2010-2011 K-12 Social Studies Community Resource and Field Trip Colloquium on October 19<sup>th</sup> at the Las Vegas Natural History Museum.
- Publish two (2) EM News Flash articles.
- Participate in program and organizing committee meetings for the May 2011 Las Vegas Science Festival.