

Environmental Management's Monthly Report to the CAB February 2010

Low-Level Waste (LLW)

Activities (January)

- As of January 24, 2009, the cumulative LLW volume received for FY 2010 is 367,647 ft³ in 697 shipments. The cumulative mixed low-level waste (MLLW) volume received for FY 2010 is 15,652 ft³ in 27 shipments. LLW Operations has worked 19,122 hours since its last lost-time accident (September 2009).
- During the month, the LLW Sub-Project conducted one (1) Radioactive Waste Acceptance Program (RWAP) impromptu survey of Sandia National Laboratory in Albuquerque, NM and one (1) MLLW verification visit in Paducah, KY.
- On January 12, 2009, the Y-12 generator met with the Sub-Project to discuss its preliminary Corrective Action Plan (CAP) and root cause of the PCB contaminated waste stream it inadvertently sent to the Nevada Test Site (NTS) for disposal on December 21, 2009. The generator removed the container and shipped it to a treatment/disposal facility in Northern Utah. The Y-12's waste stream will remain suspended until it formally submits and completes its CAP. The CAP will also discuss how Y-12 will prevent reoccurrence of error.

Planned Activities (February)

- The LLW Sub-Project expects to receive approximately 135,000 ft³ of LLW and MLLW for disposal during the month.
- The LLW Sub-Project plans to conduct two (2) RWAP Impromptu Surveys and one (1) waste generator assist visit with EnergX in Oak Ridge, TN.

Underground Test Area (UGTA)

Activities (January)

- **Frenchman Flat**
 - DOE began reviewing Final Phase II Flow and Transport Model Report, Rev. 1.
 - Completed contracts for six Frenchman Flat peer review panelists and facilitator.
- **Pahute Mesa**
 - Continued work on Well Completion Reports for Wells ER-20-7, ER-20-8/ER-20-8#2, and ER-EC-11. There will be three separate reports; one for ER-20-7, one for ER-20-8/ER-20-8 #2 and one for ER-EC-11. The reports will be available to the CAB once the final report is approved and published. The expected dates are February for ER-20-7, March for ER-20-8/ER-20-8 #2 and April for ER-EC-11.
 - Completed well development, testing and sampling activities of the ER-20-8 #2 well and demobilized some support equipment.
 - Obtained as-built surveys of the ER-EC-11 wellhead.
- **Yucca Flat**
 - Nothing new to report.
- **Rainier Mesa/Shoshone Mountain**
 - Nothing new to report.

Planned Activities (February)

- **Frenchman Flat**
 - DOE will begin reviewing Model Document, Rev. 0.
 - Continue preparation of the Monitoring Network Plan. The Monitoring Network Plan describes the monitoring wells that will be installed to evaluate the model, monitor the contaminant migration, and verify compliance with the regulations, i.e., is the

compliance strategy working. This network will become part of the long-term monitoring after closure of the Corrective Action Unit.

- **Pahute Mesa**
 - Complete the Well Completion Report for Well ER-20-7
 - Complete access road, drill pad and sump construction at the ER-EC-12 site pending weather impacts.
 - Complete preparation of the well completion reports for ER-20-8, ER-20-8#2, and ER-EC-11.
 - Complete preparation of the well development and testing plan for Phase II wells.
- **Yucca Flat**
 - Continue transport model analysis and evaluation.
- **Rainier Mesa/Shoshone Mountain**
 - Continue flow model analysis and evaluation.

Industrial Sites

Activities (January)

- Corrective Action Units (CAUs) 90, 91, 92, 110, and 112 (Resource Conservation and Recovery Act [RCRA])
 - Submitted Final Post-Closure Monitoring Report to Nevada Division of Environmental Protection (NDEP)
- CAU 113, Area 25 Reactor Maintenance, Assembly, and Disassembly (R-MAD) Facility
 - Continued demolition activities (American Recovery and Reinvestment Act funded)
- CAU 114, Area 25 Engine Maintenance, Assembly, and Disassembly (EMAD) Facility
 - Began site setup for field remediation activities
- CAU 117, Area 26 Pluto Disassembly Facility
 - Continued preparing the facility for demolition activities (American Recovery and Reinvestment Act funded)
- CAU 408, Bomblet Target Area (Tonopah Test Range [TTR])
 - Continued field remediation activities (American Recovery and Reinvestment Act funded)
- CAU 560, Septic Systems
 - Continued field remediation activities
- CAU 562, Waste Systems
 - Conducted field sampling activities

Planned Activities (February)

- CAU 113, Area 25 R-MAD Facility
 - Continue demolition activities (American Recovery and Reinvestment Act funded)
- CAU 114, Area 25 EMAD Facility
 - Continue site setup for field remediation activities
- CAU 117, Area 26 Pluto Disassembly Facility
 - Continue preparing the facility for demolition activities (American Recovery and Reinvestment Act funded)
- CAU 408, Bomblet Target Area (TTR)
 - Submit Final Streamlined Approach for Environmental Restoration (SAFER) Plan to NDEP (American Recovery and Reinvestment Act funded)
 - Continue field remediation activities (American Recovery and Reinvestment Act funded)

- CAU 560, Septic Systems
 - Complete field remediation activities
- CAU 562, Waste Systems
 - Conduct additional field sampling activities

Soils:

Activities (January)

- Corrective Action Unit (CAU) 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
 - Conducted Data Quality Objectives (DQO) Meeting (American Recovery and Reinvestment Act funded)
- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters
 - Received approval for Corrective Action Investigation Plan (CAIP) from Nevada Division of Environmental Protection (NDEP) (American Recovery and Reinvestment Act funded)
 - Continued preparing for field investigation (American Recovery and Reinvestment Act funded)
- CAU 372, Area 20 Cabriolet/Palanquin Unit Craters
 - Continued field investigation activities

Planned Activities (February)

- CAU 372, Area 20 Cabriolet/Palanquin Unit Craters
 - Continue field investigation activities
- CAU 374, Area 20 Schooner Unit Crater
 - Submit Final CAIP to NDEP (American Recovery and Reinvestment Act funded)

Public Involvement

Activities (January)

- Ten (10) Operation Clean Desert teacher packets (science-based lesson plan with worksheet, potentially-applicable social studies standards, activity book, computer game, and brochures on Operation Clean Desert and Public Involvement) were provided to teachers at Sandy Miller Elementary School in Las Vegas on January 8, 2010.
- Environmental Management Public Involvement participated in the bimonthly CHOLLA (Connecting Hands: Offering Lifelong Learning Adventures) meeting at the Wetlands Learning Lab on January 12, 2010.
- The Operation Clean Desert science-based lesson plan with worksheet was provided to a teacher at Western High School in Las Vegas on January 13, 2010.
- Environmental Management exhibited the Operation Clean Desert Kids Display, and the Waste Management Timeline and Groundwater posters during Bailey Middle School Science Night on Thursday, January 21, 2010. Approximately 40 people (students and family members) attended the event during which 28 copies of the activity book and 26 copies of the computer game were distributed.
- Environmental Management Public Involvement presented a briefing on *Nevada Test Site Activities and Operation Clean Desert* at the Southern Nevada Math and Science Conference on January 23, 2010. Three (3) teachers attended and were provided a fact sheet booklet, regional and tour maps of the Nevada Test Site, Operation Clean Desert teacher packets, and historic Nevada Test Site facts sheets on *Plowshare* and the *Nuclear Rocket Development Station*.

- 100 Operation Clean Desert teacher packets were provided (via CHOLLA) to Bailey Elementary School in Las Vegas. These packets were provided for use during Science Day on January 28, 2010.
- Two (2) copies of the Operation Clean Desert computer game were mailed to Jefferson Middle School in Oak Ridge, Tennessee on January 28, 2010.

Planned Activities (February)

- Representatives of the Nevada Site Office will present a briefing to second grade students at Sandy Miller Elementary School in Las Vegas on Thursday, February 11, 2010. The focus of the briefing is non-radioactive solid waste management practices (including reducing, reusing, and recycling) and the different phases of matter.
- Environmental Management Public Involvement will present a briefing on *Nevada Test Site Activities and Operation Clean Desert* at the Clark County School District Winter New Teacher Conference on February 27, 2010. Teachers in attendance will be provided a fact sheet booklet, regional and tour maps of the Nevada Test Site, Operation Clean Desert teacher packets, and historic Nevada Test Site facts sheets on *Plowshare* and the *Nuclear Rocket Development Station*.