

## **Environmental Management's (EM) Monthly Report to the NSSAB May 2011**

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

#### **Activities (April)**

- As of April 24, 2011, the cumulative LLW volume received for FY 2011 is 852,370 ft<sup>3</sup> in 1,297 shipments. The cumulative mixed low-level waste (MLLW) volume received for FY 2011 is 22,842 ft<sup>3</sup> in 60 shipments.
- LLW Operations have worked 127,104 hours since its last lost-time accident (September 23, 2009).
- The NSO Radioactive Waste Acceptance Program (RWAP) conducted an impromptu facility surveillance of Los Alamos National Laboratory (LANL) in Los Alamos, NM, which resulted in four observations. LANL has thirty days to respond to these observations.
- The RWAP impromptu surveillance of Portsmouth (PORTS) generator in Pike County Ohio was postponed to a later date for this fiscal year. The reason for the postponement was because PORTS was transitioning its new contractor the week RWAP scheduled the facility evaluation. PORT is suspended from shipping LLW to the NNSC because on March 17 its waste shipments indicated contamination above the free release limits. For more background information see the April 2011 report.

#### **Planned Activities (May)**

- The site expects to receive approximately 180,000 ft<sup>3</sup> of LLW and MLLW for disposal.
- RWAP will conduct an audit of the Y-12 (Oak Ridge, TN) generator.

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

#### **Activities (April)**

- **Frenchman Flat**
  - Completed internal review of Corrective Action Decision Document/Corrective Action Plan (CADD/CAP).
- **Pahute Mesa**
  - Mobilized to Well ER-20-8 for well development and testing
  - Began well development and testing activities at ER-20-4 well, and “hot well” sampling activities at U-12n Vent Hole #2.
  - Continued preparation of drilling and well development and testing data documents, expected to be completed next month
- **Yucca Flat**
  - Continued preparation of the preliminary draft flow and transport model document.
  - Initiated scoping of supplemental analysis for flow and transport modeling.
- **Rainier Mesa/Shoshone Mountain**
  - Continued flow and transport model analysis and evaluation.

#### **Planned Activities (May)**

- **Frenchman Flat**
  - Issue CADD/CAP Rev. 0
- **Pahute Mesa**
  - Complete well development and testing at Well 20-4 and Well ER-20-8
  - Complete “hot well” sampling at the U-12n Vent Hole #2 site on 05/05/11
  - Complete preparation of drilling and well development and testing data documents

- **Yucca Flat**
  - Continue preparation of the preliminary draft flow and transport model document
  - Finalize supplemental analysis planning
- **Rainier Mesa/Shoshone Mountain**
  - Continue flow and transport model analysis and evaluation
  - Evaluate pre-emptive review recommendations

## **Industrial Sites**

### **Activities (April)**

- Corrective Action Unit (CAU) 116, Area 25 Test Cell C Facility
  - Completed field remediation activities
- CAU 539, Areas 25 and 26 Railroad Tracks
  - Conducted Corrective Action Alternative (CAA) meeting on 04/13/2011(funded by the American Recovery and Reinvestment Act [ARRA])
- CAU 544, Cellars, Mud Pits, and Oil Spills
  - Conducted CAA meeting
- CAU 547, Miscellaneous Contaminated Waste Sites
  - Continued preparing the engineering design for the Streamlined Approach for Environmental Restoration (SAFER) Plan
- CAU 561, Waste Disposal Areas
  - Completed remediation and verification sampling
- CAU 566, Engine Maintenance, Assembly, and Disassembly (EMAD) Compound
  - Completed fieldwork activities
  - Continued waste management shipping activities
- Non-Resource Conservation and Recovery Act (RCRA) Post-Closure Sites:
  - CAU 5, Landfills
  - CAU 107, Low Impact Soil Sites
  - CAU 113, Area 25 Reactor Maintenance, Assembly, and Disassembly (R-MAD) Facility
  - CAU 115, Area 25 Test Cell A Facility
  - CAU 118, Area 27 Super Kukla Facility
  - CAU 127, Areas 25 and 26 Storage Tanks
  - CAU 137, Waste Disposal Sites
  - CAU 139, Waste Disposal Sites
  - CAU 140, Waste Dumps, Burn Pits, and Storage Area
  - CAU 143, Area 25 Contaminated Waste Dumps
  - CAU 145, Wells and Storage Holes
  - CAU 151, Septic Systems and Discharge Area
  - CAU 165, Area 25 and 26 Dry Well and Washdown Areas
  - CAU 168, Area 25 and 26 Contaminated Materials and Waste Dumps
  - CAU 204, Storage Bunkers
  - CAU 219, Septic Systems and Injection Wells
  - CAU 254, Area 25 R-MAD Decontamination Facility
  - CAU 261, Area 25 Test Cell A Leachfield System
  - CAU 262, Area 25 Septic Systems and Underground Discharge Point (UDP)
  - CAU 271, Areas 25, 26, and 27 Septic Systems
  - CAU 274, Septic Systems

CAU 309, Area 12 Muckpiles  
 CAU 322, Areas 1 & 3 Release Sites and Injection Wells  
 CAU 326, Areas 6 and 27 Release Sites  
 CAU 333, U-3auS Disposal Site  
 CAU 357, Mud Pits and Waste Dump  
 CAU 370, T-4 Atmospheric Test Site  
 CAU 371, Johnnie Boy Crater and Pin Stripe  
 CAU 383, Area 12 E-Tunnel Sites  
 CAU 456, Area 23 Underground Storage Tank and Spill at the Nevada Test Site Office (NTSO) Building  
 CAU 476, Area 12 T-Tunnel Muckpile  
 CAU 477, Area 12 N-Tunnel Muckpile  
 CAU 478, Area 12 T-Tunnel Ponds  
 CAU 482, Area 15 U15a/e Muckpiles and Ponds  
 CAU 504, 16a-Tunnel Muckpile  
 CAU 527, Horn Silver Mine  
 CAU 528, Polychlorinated Biphenyls Contamination  
 CAU 529, Area 25 Contaminated Materials  
 CAU 538, Spill Sites  
 CAU 542, Disposal Holes  
 CAU 543, Liquid Disposal Units  
 CAU 545, Dumps, Waste Disposal Sites, and Buried Radioactive Materials  
 CAU 546, Injection Well and Surface Releases  
 CAU 551, Area 12 Muckpiles  
 CAU 552, Area 12 Muckpile and Ponds  
 CAU 554, Area 23 Release Site  
 CAU 559, T-Tunnel Compressor/Blower Pad
 

- Continued maintenance and repair activities

Planned Activities (May)

- CAU 114, Area 25 EMAD Facility
  - Repair EMAD roof
- CAU 539, Areas 25 and 26 Railroad Tracks
  - Begin posting Use Restriction signs (funded by the ARRA)
- CAU 547, Miscellaneous Contaminated Waste Sites
  - Continue preparing the engineering design for the SAFER Plan
- CAU 561, Waste Disposal Areas
  - Continue field remediation activities
- CAU 566, EMAD Compound
  - Continue waste shipping activities
- Non- RCRA Post-Closure Sites:
  - CAU 5, Landfills
  - CAU 107, Low Impact Soil Sites
  - CAU 113, Area 25 Reactor Maintenance, Assembly, and Disassembly (R-MAD) Facility
  - CAU 115, Area 25 Test Cell A Facility
  - CAU 118, Area 27 Super Kukla Facility
  - CAU 127, Areas 25 and 26 Storage Tanks

CAU 137, Waste Disposal Sites  
 CAU 139, Waste Disposal Sites  
 CAU 140, Waste Dumps, Burn Pits, and Storage Area  
 CAU 143, Area 25 Contaminated Waste Dumps  
 CAU 145, Wells and Storage Holes  
 CAU 151, Septic Systems and Discharge Area  
 CAU 165, Area 25 and 26 Dry Well and Washdown Areas  
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**Soils:**  
Activities (April)

- Corrective Action Unit (CAU) 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
  - Continued field investigation activities (funded by the American Recovery and Reinvestment Act [ARRA])
- CAU 365, Baneberry Contamination Area
  - Completed field investigation activities (funded by the ARRA)
- CAU 366, Area 11 Plutonium Valley Dispersion Sites
  - Continued preliminary field activities
- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters
  - Completed Use Restriction sign installation and sanitary waste disposal (funded by the ARRA)
- CAU 374, Area 20 Schooner Unit Crater
  - Continued waste management activities (funded by the ARRA)
  - Completed Use Restriction sign installation (funded by the ARRA)

#### Planned Activities (May)

- CAU 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
  - Continue field investigation activities (funded by the ARRA)
- CAU 366, Area 11 Plutonium Valley Dispersion Sites
  - Continue preliminary field activities
  - Collect waste generated during High Contamination Area (HCA) posting activities (funded by the ARRA)
- CAU 374, Area 20 Schooner Unit Crater
  - Continue waste management activities (funded by the ARRA)
- CAU 375, Area 30 Buggy Unit Craters
  - Begin Use Restriction sign installation and waste disposal activities (funded by the ARRA)
- CAU 415, Project 57 No. 1 Plutonium Dispersion (Nellis Air Force Range [NAFR])
  - Perform stomp and tromp to down post Contamination Area
- CAU 574, Neptune
  - Begin field investigation activities

#### **Public Involvement:**

##### Activities (April)

- Continued exhibit of *Operation Clean Desert* display in the Las Vegas, NV Public Reading Room.
- Continued exhibit of *Groundwater at the Nevada National Security Site* poster at the Amargosa Valley Library.
- Continued exhibit of *Groundwater at the Nevada National Security Site* poster at the Goldfield Library.
- Participated in Career Day at Lomie Heard Elementary School at Nellis Air Force Base on April 11, 2011, to include distribution of 196 *Operation Clean Desert* activity books and computer games.
- Distributed 270 copies of the *Operation Clean Desert* activity books during “Take Our Daughters and Sons to Work Day”
- Supported an MDARS demonstration at West Career and Technical Academy on April 27, 2011.

- Prepared *Safety Comes First for NNSS Demolition Projects* article published in EM Recovery News (<http://www.em.doe.gov/pdfs/emrecovery/April%20EM%20Recovery%20Act%20Newsletter.pdf>)
- Participated in Nevada Site-Specific Advisory Board meetings.

#### Planned Activities (May)

- Continue exhibit of *Operation Clean Desert* display in the Las Vegas, NV Public Reading Room.
- Continue exhibit of *Groundwater at the Nevada National Security Site* poster at the Amargosa Valley Library.
- Continue exhibit of *Groundwater at the Nevada National Security Site* poster at the Goldfield Library.
- Distribute *Groundwater at the Nevada National Security Site* poster for exhibition in the Tonopah Central Nevada Museum.
- Distribute *Community Environmental Monitoring Program* posters for exhibition in Caliente, Beatty, Pahrump, Amargosa Valley, St. George, Tonopah and Las Vegas.
- Support public hearing for *Greater Than Class C Draft Environmental Impact Statement* on May 9, 2011.
- Conduct outreach activity with 6<sup>th</sup> graders at Rosemary Clarke Middle School in Pahrump on May 18-19, 2011.
- Participate in West Career and Technical Academy Engineering Advisory Board meeting on May 18, 2011.
- Conduct Groundwater Open House in Beatty on May 25, 2011.
- Coordinate/support Nevada National Security Site tours for the Nevada Attorney General's office.
- Publish three (3) EM News Flash articles.
- Participate in Nevada Site-Specific Advisory Board meetings.