

Environmental Management's Monthly Report to the CAB June 2010

Low-Level Waste (LLW)

Activities (May)

- As of May 23, 2010, the cumulative LLW volume received for FY 2010 is 1,222,433 ft³ in 1,924 shipments. The cumulative mixed low-level waste (MLLW) volume received for FY 2010 is 43,123 ft³ in 55 shipments. LLW Operations has worked 44,166 hours since its last lost-time accident (September 23, 2009).
- The LLW Sub-Project conducted one (1) Radioactive Waste Acceptance Program (RWAP) Assist Visit at West Valley in New York, and one (1) RWAP Impromptu Facility Evaluation at Idaho National Laboratory (INL).
- NSTec is working to complete the 90% design review of the replacement RCRA mixed low-level waste disposal unit. Conditional approval of the RCRA Part B Permit Application was received from State of Nevada Division of Environmental Protection (NDEP) to allow for design to commence. Once design is complete, NDEP will review the design and, if acceptable, will provide final permit approval which will allow for construction to commence.

Planned Activities (June)

- The LLW Sub-Project expects to receive approximately 220,000 ft³ of LLW and MLLW for disposal.
- The LLW Sub-Project plans to conduct one (1) RWAP Audit of the Argonne National Laboratory in Chicago, IL and one (1) RWAP Impromptu Surveillance.
- The Nevada Site Office will submit an application to the State of Nevada for a Mixed Waste Storage Unit permit for the Area 5 Radioactive Waste Management Complex.
- NSO plans to submit the final design package for the Mixed Waste Disposal Unit by the end of June.

Underground Test Area (UGTA)

Activities (May)

Frenchman Flat

- Continue preparation of the Monitoring Network Plan.
- Continue providing information to Peer Review for ongoing review.
- Continue peer review of the flow and transport model.

Pahute Mesa

- Continued work on the Well Completion Report for Wells ER-20-8/ER-20-8#2 and ER-EC-11.
- Continued support of well development, testing and sampling of the ER-EC-11 well, including carbon activation and flow logging, step drawdown, constant rate tests, sampling and recovery.
- Continued road and pad construction of the ER-EC-13.
- Completed well development and testing of Well ER-EC-11.
- Completed the Phase II Well Development and Testing Plan.

Yucca Flat

- Continued FY 2010 transport modeling and model documentation.

Rainier Mesa/Shoshone Mountain

- Continued transport model analysis and evaluation.

Planned Activities (June)

Frenchman Flat

- Continue preparation of the Monitoring Network Plan.
- Continue peer review of the flow and transport model.

Pahute Mesa

- Begin drilling at ER-EC-12 well site.
- Complete the draft Well Completion Report for Wells ER-EC-11, ER-20-8/ER-20-8#2.
- Continue access road, drill pad and sump construction at the ER-EC-13 site and begin construction at the ER-EC-15 site.
- Prepare sumps at the ER-20-7 site for installation of new liners, then begin Well Development and Testing.

Yucca Flat

- Continue transport model analysis and evaluation.

Rainier Mesa/Shoshone Mountain

- Continue transport model analysis and evaluation.

Industrial Sites:

Activities (May)

- Corrective Action Unit (CAUs) 5, 113, 115, 118, 127, 137, 139, 140, 143, 145, 151, 165, 168, 204, 254, 261, 262, 309, 322, 357, 370, 383, 476, 477, 478, 482, 528, 529, 542, 543, 545, 546, 551, 552, and 554
 - Submitted Final Post-Closure Inspection Letter Report (PCILR) to State of Nevada Division of Environmental Protection (NDEP)
- CAUs 5, 115, 137, 139, 140, 143, 145, 168, 204, 262, 383, 504, 527, 542, 543, and 552
 - Performed post-closure repairs and maintenance
- CAU 110, Area 3 Waste Management Disposal U-3ax/bl Crater
 - Performed annual vegetation survey
- CAU 113, Area 25 Reactor Maintenance, Assembly, and Disassembly (R-MAD) Facility
 - Continued segregation and size reduction of demolition debris and disposal of low-level waste (Funded by the American Reinvestment and Recovery Act)
- CAU 114, Area 25 Engine Maintenance, Assembly, and Disassembly (EMAD) Facility
 - Continued field remediation activities
- CAU 117, Area 26 Pluto Disassembly Facility
 - Began asbestos abatement and continued preparation of the building for demolition (Funded by the American Reinvestment and Recovery Act)
- CAUs 400, 407, 424, 426, 453, 484, and 487 (Tonopah Test Range [TTR])
 - Conducted post-closure inspections
 - Submitted Final Post-Closure Inspection Report (PCIR) to NDEP
- CAU 408, Bomblet Target Area (TTR)
 - Continued field remediation activities (Funded by the American Reinvestment and Recovery Act)
- CAU 539, Areas 25 and 26 Railroad Tracks
 - A modification to the Federal Facility Agreement and Consent Order (FFACO) to remove the two Railroad Corrective Action Sites (CASs) from CAU 114 was

- approved, creating CAU 539 (Funded by the American Reinvestment and Recovery Act)
 - Submitted final Streamlined Approach for Environmental Restoration (SAFER) Plan to NDEP (Funded by the American Reinvestment and Recovery Act)
- CAU 561, Waste Disposal Areas
 - Submitted Real Estate Operating Permits (REOPs) for field activities
 - Conducted Site walkdown in preparation for field effort
- CAU 566, EMAD Compound
 - A modification to the FFACO to remove the EMAD Compound CAS from CAU 114 was approved, creating CAU 566

Planned Activities (June)

- CAUs 5, 113, 115, 118, 127, 137, 139, 140, 143, 145, 151, 165, 168, 204, 254, 261, 262, 309, 322, 357, 370, 383, 476, 477, 478, 482, 528, 529, 542, 543, 545, 546, 551, 552, and 554
 - Receive NDEP approval for Final PCILR
- CAUs 90, 92, 110, and 112 (Resource Conservation and Recovery Act [RCRA])
 - Conduct post-closure inspections
- CAU 113, Area 25 R-MAD Facility
 - Continue segregation and size reduction of demolition debris and disposal of low-level waste (Funded by the American Reinvestment and Recovery Act)
- CAU 114, Area 25 EMAD Facility
 - Continue field remediation activities
- CAU 117, Area 26 Pluto Disassembly Facility
 - Continue asbestos abatement and preparation of the building for demolition (Funded by the American Reinvestment and Recovery Act)
- CAUs 400, 407, 424, 426, 453, 484, and 487 (TTR)
 - Receive NDEP approval for Final PCIR
- CAUs 400, 407, and 426 (TTR)
 - Perform annual vegetation survey
- CAU 408, Bomblet Target Area (TTR)
 - Complete field remediation activities (Funded by the American Reinvestment and Recovery Act)
- CAU 539, Areas 25 and 26 Railroad Tracks
 - Receive NDEP approval for Final SAFER Plan (Funded by the American Reinvestment and Recovery Act)
 - Install Thermo Luminescent Dosimeters (TLDs) at selected (Funded by the American Reinvestment and Recovery Act)
- CAU 566, EMAD Compound
 - Submit Final SAFER Plan to NDEP

Soils:

Activities (May)

- Corrective Action Unit (CAU) 106, Areas 5, 11 Frenchman Flat Atmospheric Sites
 - Received approval from NDEP for Final Corrective Action Investigation Plan (CAIP) (Funded by the American Reinvestment and Recovery Act)
- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters

- Continue field investigation activities (Funded by the American Reinvestment and Recovery Act)
- CAU 372, Area 20 Cabriole/Palanquin Unit Craters
 - Continued field investigation activities
- CAU 374, Area 20 Schooner Unit Crater
 - Continued field investigation activities (Funded by the American Reinvestment and Recovery Act)

Planned Activities (June)

- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters
 - Complete field investigation activities (Funded by the American Reinvestment and Recovery Act)
- CAU 372, Area 20 Cabriole/Palanquin Unit Craters
 - Complete field investigation activities
- CAU 374, Area 20 Schooner Unit Crater
 - Continue field investigation activities (Funded by the American Reinvestment and Recovery Act)

Public Involvement

Activities (May)

- In conjunction, with the *Operation Clean Desert* display setup in the Public Reading Room, 125 *Operation Clean Desert* activity books and 300 computer games were provided for general public distribution.
- Representatives of the Nevada Site Office Environmental Management program exhibited the *Operation Clean Desert* kids display, the Waste Management Timeline poster (with mock drum of low-level waste), and the Groundwater poster at Rosemary Clarke Middle School in Pahrump on May 19 and 20, 2010. Approximately 400 6th grade students participated in the annual event which incorporates the science-based lesson plan, a presentation by a Nevada Site Office environmental protection specialist, and the completion of a graded worksheet.
- A Nevada Site Office Environmental Management public involvement representative presented a *Nevada Test Site and Operation Clean Desert* briefing to environmental science students at Clark High School in Las Vegas on May 24 and 25, 2010. Approximately 70 students in three classes attended the briefing and were provided Nevada Test Site maps and pencils made from reclaimed currency.
- Two *EM News Flashes* were distributed on the topics of the Beatty Groundwater Open House and using Recovery Act funds to expedite cleanup.

Planned Activities (June)

- A Nevada Site Office Environmental Management program representative will present a *Nevada Test Site and Operation Clean Desert* briefing to a Pahrump, NV youth group on June 17, 2010.
- An *Operation Clean Desert* display will continue to be exhibited in the Public Reading Room through June.
- The recently revised Groundwater at the Nevada Test Site poster will be provided to the Beatty Library District for display throughout the summer.
- The *Radioactive Waste Disposal at the Nevada Test Site, Historical Perspective* poster, mock drum of low-level waste, and the tabletop *Operation Clean Desert* display will be provided to the Pahrump Community Library for exhibiting June 3 through August 1, 2010.

- Three EM News Flashes are planned on the topics of *Operation Clean Desert* outreach, groundwater well drilling and American Reinvestment and Recovery Act work.