

Environmental Management's Monthly Report to the CAB December 2008

Low-Level Waste (LLW)

Completed Activities (November)

- The Nevada Site Office (NSO) conducted one (1) Radioactive Waste Acceptance Program (RWAP) impromptu facility evaluation of Sandia National Laboratory.
- NSO conducted an Independent 435.1 Compliance Assessment at the Savannah River Site.
- NSO conducted a Disposal Authorization Statement (i.e. DOE's LLW Disposal Permit) Line Management Assessment of the Area 5 Radioactive Waste Management Site (RWMS) – The RWMS was in compliance with the statement's requirements.
- As of November 30, 2008, the cumulative LLW volume received for FY09 is 326,793.02 ft³ in 310 shipments. The cumulative mixed LLW volume received for FY 2009 is 4,658.89ft³ in 10 shipments. LLW Operations has worked 424,422 hours since its last lost-time accident (September 2003).

Planned Activities (December)

- From December 22 to January 3, 2008, the Area 5 RWMS will be closed
- Expect to receive over 90,000 ft³ of LLW and mixed LLW for disposal during the month.
- The LLW Sub-Project expects to conduct one (1) RWAP Audit of the Paducah Facility
- NSO and RWAP will attend the PermaFix User Conference in Nashville, TN on December 15-19, 2008.

Transuranic Waste (TRU)

Completed Activities (November)

- Repackaging activities continued in the Visual Examination and Repackaging Building (VERB). As of November 30, 2008, 46 oversized boxes and six (6) drums have been repackaged, four (4) oversized boxes and 31 drums remain.
- The Nevada Site Office continued to work with the Carlsbad Field Office (CBFO) to validate characterization data for the repackaged waste to ensure compliance with the CBFO's repackaging requirements.
- CBFO personnel set up the TRUPACT II Mobile Loading Unit, completed on-site training and assisted in loading six (6) TRUPACT II containers (two trailers) for shipment to the Idaho National Laboratory (INL) Consolidation Site.
- NSO participated in weekly meetings with CBFO to discuss the Integrated Project Schedule and ongoing activities to ensure completion of TRU waste shipment to the Idaho National Laboratory Consolidation Site.

Planned Activities (December)

- Repackaging operation will continue in the VERB. Four (4) oversized box and 31 drums remain to be repacked.
- Shipments to the Idaho National Laboratory will begin on December 2, 2008.
- NSO will continue to work with the CBFO to validate characterization data for the remaining TRU waste.
- NSO and CBFO personnel will continue to load TRUPACT II containers for shipment.

Industrial Sites:

Completed Activities (November)

- Corrective Action Unit (CAU) 116, Area 25 Test Cell C Facility

- Continued decontamination and decommissioning field work
- CAU 117, Area 26 Pluto Disassembly Facility
 - Continued corrective action investigation field work
- CAU 134, Aboveground Storage Tanks
 - Began closure field work
- CAU 139, Waste Disposal Sites
 - Began closure field work
- CAU 557, Spills and Tank Sites
 - Began and completed corrective action investigation field work
- CAU 560, Septic Systems
 - Completed corrective action investigation field work

Planned Activities (December)

- CAU 116, Area 25 Test Cell C Facility
 - Continue decontamination and decommissioning field work
- CAU 117, Area 26 Pluto Disassembly Facility
 - Continue corrective action investigation field work
- CAU 134, Aboveground Storage Tanks
 - Complete closure field work
- CAU 139, Waste Disposal Sites
 - Continue closure field work
- CAU 546, Injection Well and Surface Releases
 - Submit Final Corrective Action Decision Document/Closure Report to the Nevada Division of Environmental Protection, for approval
- CAU 562, Septic Systems
 - Complete final Data Quality Objectives Meeting

Underground Test Area (UGTA)

Completed Activities (November)

- **Frenchman Flat**
 - The Monitoring Network Criteria task continued with the second pre-emptive review meeting conducted on November 17.
- **Pahute Mesa**
 - Development of the Drilling Criteria document was initiated.
 - The Phase II Corrective Action Investigation Plan (CAIP), Rev. 0, was submitted to DOE on November 20, 2008.
 - Completed comment resolution for the Phase II CAIP Addendum document.
- **Yucca Flat**
 - Procurement of supplies and equipment was initiated for the thermal investigations.
- **Rainier Mesa/Shoshone Mountain**
 - The sampling report for ER-12-3 and ER-12-4 was completed.

Planned Activities (December)

- **Frenchman Flat**
 - Continue FY 2009 fracture analysis task.
 - Conduct a third meeting to develop criteria for the long-term monitoring well network.
 - Alternative transport models will continue to be evaluated.
- **Pahute Mesa**
 - Continue compiling the Phase II Well Drilling Criteria Report.
 - Field stake locations for remaining Phase II drill holes.

- Complete road and pad construction at the ER-20-7 site
- Begin road and pad construction at the ER-EC-11 site
- The Phase II CAIP, Rev. 1 document will be submitted to DOE.
- **Yucca Flat**
 - The thermal investigations will be initiated.
 - A pre-emptive review committee meeting will be held on the transport analysis and evaluation.
 - The source term document will continue in revision.
 - Continue support to the Phase I flow and transport modeling efforts.
- **Rainier Mesa/Shoshone Mountain**
 - Continue support to flow and transport modeling.
 - Continue characterizing Rainier Mesa tunnel effluent ponds.
 - Continue compiling information about seeps of water in Rainier Mesa tunnels.

Soils:

Completed Activities (November)

- Received approval with comments on Corrective Action Unit (CAU) 107 Streamlined Approach For Environmental Restoration (SAFER) Plan.
- Addressed Nevada Division of Environmental Protection (NDEP) comments on the CAU 107 SAFER Plan and transmitted to NDEP.
- Completed the Corrective Action Alternative Meeting for CAU 370 Corrective Action Decision Document.
- Completed the Data Quality Objectives (DQO) meeting for CAU 371.
- Continue to Develop the DQOs for CAU 372
- Continue working on the Radionuclide Inventory and Distribution Program (RIDP) Analysis and Validation Whitepaper

Planned Activities (December)

- Conduct DQO meeting for CAU 372
- Submit draft CAIP for CAU 371.
- Submit RIDP Analysis and Validation whitepaper to NNSA.

Public Involvement:

Completed Activities (November)

- Participated in CHOLLA (Clasping Hands Offering Lifelong Learning Adventures) meeting. This group is comprised of area organizations and businesses promoting field trips and other learning opportunities to the Clark County School District.
- Provided Waste Management Timeline Poster Display, Transportation Poster Display, Transportation Drum Display, and the Groundwater Poster Display at the Nevada Site Office and the Nevada Test Site for two Open House events sponsored by National Security Technologies.
- Set up Waste Management Timeline Poster Display, Transportation Poster Display, Transportation Drum Display, and the Groundwater Poster Display at Howard Hughes School of Engineering at UNLV for approximate one month duration.
- Site visit to Roy Martin Middle School for Operation Clean Desert display and Environmental Management poster displays, in anticipation of January 27, 2009 event.

Planned Activities (December)

- An Operation Clean Desert brochure mailing (contains information on Operation Clean Desert display, activity book, game CD and other displays) to approximately 200 Las Vegas

metropolitan area elementary school principals (Clark County School District and Nye County School District).