

## **Environmental Management's Monthly Report to the CAB April 2008**

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

#### **Completed Activities (March)**

- The Nevada Site Office (NSO) conducted one (1) Radioactive Waste Acceptance Program (RWAP) audit of the Argonne facility in Chicago, IL and one (1) Impromptu Facility Evaluation of National Security Technologies at the NTS.
- As of March 23, 2008, 424,258 ft<sup>3</sup> of LLW in 498 shipments was disposed at the Nevada Test Site (NTS) during FY 2008.
- LLW Operations has worked 367,381 hours since its last lost-time accident (September 2003).
- On March 12-13, 2008, Sub-Project staff attended the Low Level Waste Federal Review Group meeting in and presented that the Sub-Project's Program is within the Area 3 and 5 Performance Assessments/Composite Analyses

#### **Expectations (April)**

- Expect to receive 101,205 ft<sup>3</sup> of LLW and MLLW for disposal.
- The LLW Sub-Project expects to conduct one (1) RWAP audit of PermaFix, in TN, and one (1) Impromptu Facility Inspections of the generator sites.
- The Sub-Project will host the Generators' Workshop on April 20-24, 2008.

### **Mixed Low-Level Waste (MLLW):**

#### **Completed Activities (March)**

- As of March 23, 2008, 8,582 ft<sup>3</sup> of MLLW in 22 shipments was disposed at the NTS during FY 2008.
- The Nevada Division of Environmental Protection (NDEP) Cease Order against Portsmouth's MLLW program was lifted on March 13, 2008.

#### **MLLW Expectations (April)**

- MLLW disposal is included in the LLW section for April.
- Planned facility evaluations are included in the LLW portion of this report.

### **Transuranic Waste (TRU)**

#### **Completed Activities (March)**

- Modifications to the Visual Examination and Repackaging Building (VERB) for the oversized box size-reduction and segregation continued and are planned to be completed in April 2008.
- The Nevada Site Office and Carlsbad Field Office completed their review on the data for the remaining 104 TRU waste drums and identified 29 drums which will need to be repacked inside the VERB prior to shipment.

#### **Expectations (April)**

- Submit the Final 2008 Site Treatment Plan to the Nevada Department of Environmental Protection by April 30, 2008.
- Complete modifications to the VERB for the oversized box size-reduction and segregation which is planned to be complete in April 2008.

### **Industrial Sites:**

#### **Accomplishments (March)**

- Completed corrective action investigation fieldwork for Corrective Action Unit (CAU) 556, Dry Wells and Surface Release Points

- Continued Decontamination & Decommissioning fieldwork for CAU 116, Area 25 Test Cell C Facility
- Continued waste disposal activities for CAU 127, Areas 25 and 26 Storage Tanks
- Continued waste disposal activities for CAU 151, Septic Systems and Discharge Area
- Received Nevada Division of Environmental Protection (NDEP) approval for the Final Corrective Action Investigation Plan (CAIP) for CAU 546, Injection Well and Surface Releases
- Submitted the Final Post-Closure Inspection Report for CAU 92, Area 6 Decon Pond Facility, to NDEP for acceptance
- Submitted the Final Corrective Action Decision Document/Closure Report (CADD/CR) for CAU 190, Contaminated Waste Sites, to NDEP for approval
- Submitted the Final CAIP for CAU 546, Injection Well and Surface Releases, to NDEP for approval
- Received NDEP approval for the Final Closure Report (CR) for CAU 127, Areas 25 and 26 Storage Tanks
- Received NDEP approval for the Final CR for CAU 145 Wells and Storage Holes
- Received NDEP approval for the Final CAIP for CAU 546, Injection Well and Surface Releases
- Received NDEP approval for the Final Corrective Action Decision Document (CADD) for CAU 563, Septic Systems
- Received NDEP approval for the Final Recommendations and Justifications for Modifications for Use Restrictions Established under the U. S. Department of Energy, National Nuclear Security Administration, Nevada Site Office, Federal Facility Agreement and Consent Order (FFACO)
- Received NDEP approval for the Final Supplemental Investigation Plan for FFACO Use Restrictions, Nevada Test Site Office, Nevada

#### Planned (April)

- Begin field work for the Use Restriction Project
- Continue Decontamination & Decommissioning fieldwork for CAU 116, Area 25 Test Cell C Facility
- Continue waste disposal activities for CAU 127, Areas 25 and 26 Storage Tanks
- Continue waste disposal activities for CAU 151, Septic Systems and Discharge Area
- Receive NDEP acceptance for the Final Post-Closure Inspection Report for CAU 92, Area 6 Decon Pond Facility
- Receive NDEP approval for the Final CADD/CR for CAU 190, Contaminated Waste Sites
- Submit the Final Post Closure Inspection Letter Report for CAUs 5,137,140, 143, 165, 168, 204, 214, 254, 261, 262, 271, 309, 322, 335, 339, 342, 357, 383, 528, 529, 542, 551, 552, and 554, to NDEP for acceptance
- Submit the Final CR for CAU 151, Septic Systems and Discharge Area, to NDEP for approval
- Submit the Final CADD/CR for CAU 545, Dumps, Waste Disposal Sites, and Buried Radioactive Materials, to NDEP for approval

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

##### Completed (March)

##### **Frenchman Flat**

- Began preparation of work packages for sampling of the UE-2ce and U-19ad PS #1A wells.

- Continued DOE review of Draft Phase II Transport Model Report

#### **Pahute Mesa**

- The preemptive review committee held a fourth meeting to discuss development of the Phase II Corrective Action Investigation Plan (CAIP).
- Continued DOE review of Phase I Transport Model Draft report.
- Continued CAIP Addendum initiative w/ Preemptive Review Committee.

#### **Yucca Flat**

- Continued Phase I Flow Model Analysis and Evaluation.
- Continued Phase I Transport Model Analysis and Evaluation.

#### **Rainier Mesa/Shoshone Mountain**

- Continued Phase I Flow Model Analysis and Evaluation.
- Continued Phase I Source Term Analysis and Evaluation.
- Continued Phase I Transport Model Analysis and Evaluation.
- Submitted the Phase I Hydrology Data document for Nevada Division of Environmental Protection (NDEP) review.
- Submitted the Phase I Transport Parameters Data document for NDEP review.
- Incorporated DOE review comments into Modeling Approach Strategy document

#### Expectations (April)

##### **Frenchman Flat**

- Complete pumping and sampling of the U-19ad PS #1A well and begin work to install a submersible pump and sample the UE-2ce well.
- Continue DOE review of Draft Phase II Transport Model Report

##### **Pahute Mesa**

- Continue CAIP Addendum initiative.
- Complete DOE review of Phase I Transport Model Draft report.
- Continue CAIP Addendum initiative w/ Preemptive Review Committee.

##### **Yucca Flat**

- Continue Phase I Flow Model Analysis and Evaluation.
- Continue Phase I Transport Model Analysis and Evaluation.

##### **Rainier Mesa/Shoshone Mountain**

- Continue Phase I Flow Model Analysis and Evaluation.
- Continue Phase I Source Term Analysis and Evaluation.
- Continue the Phase I Hydrology Data document NDEP review.
- Continue the Phase I Transport Parameters Data document NDEP review.
- Submit the Modeling Approach Strategy Document for NDEP review.
- Initiate Phase I Flow Model Analysis and Evaluation.
- Complete groundwater sampling at ER-16-1, ER-12-3, and ER-12-4.

#### Soils

##### Completed Activities (March)

- Completed a modification to Appendix II of the Federal Facility Agreement and Consent Order (FFACO). This modification establishes Corrective Action Unit (CAU) 107, currently being closed under the following Streamlined Approach for Environmental Restoration (SAFER) process; and, CAU 370, currently being characterized under a Corrective Action Investigation Plan (CAIP)
- Obtained concurrence from Nevada Division of Environmental Protection (NDEP) on the addition of newly identified soils sites to the CAU 107 SAFER Plan. This approach will yield efficiencies in closing these sites.
- Completed CAU 107 draft SAFER Plan with additional sites and submitted for internal review.

- The Draft CAU 370 CAIP is currently in review.
- Continued the preliminary assessment of remaining Soil Sites.

#### Expectations (April)

- Submit draft SAFER Plan for low impact Soils Sites for NDEP review.
- Resolve comments on the CAU 370 CAIP and submit final document to NDEP.
- Continue the preliminary assessments of remaining Soils Sites.

#### **Public Involvement:**

##### Completed Activities (March)

- Reviewed and outlined revisions to update the Operation Clean Desert mobile exhibit, in order to more clearly convey information about the Environmental Management efforts taking place at the Nevada Test Site.
- Met with the CHOLLA educational group (*Clasping Hands Offering Lifelong Learning Adventures*) to determine upcoming public education/outreach opportunities.
- Met on a weekly basis with the Environmental Management Student Forum (a group of high school students from Advanced Technologies in Las Vegas, NV) to continue development of an interactive Nevada Test Site Environmental Management timeline.
- Participated in the Community Advisory Board Full Board meeting on March 11, 2008.
- University of Nevada, Las Vegas distributed 5,000+ questionnaires to randomly selected Southern Nevada residents to query them on their perception and understanding of Environmental Management activities. This activity is funded through a grant provided by the Nevada Site Office Environmental Management Program.

##### Expectations (April)

- The Operation Clean Desert learning trio (comprised of an interactive computer game, activity book, and mobile exhibit that convey information about the Environmental Management efforts taking place at the Nevada Test Site in a manner appropriate to elementary-school age children) will be on display, and a brief PowerPoint presentation on the history of the Nevada Test Site will be made, on April 10 and 11 at Rosemary Clarke Middle School (Nye County). It is expected that approximately 600 students will be reached with this information during the two days. This event resulted from Public Involvement's participation in the Nevada State Science Teachers Association 2008 Math & Science Conference in February.
- The Operation Clean Desert learning trio will be on display April 17 at Cornerstone Christian Church (Las Vegas), for the CHIEFS Homeschool Group. Approximately 35 students will attendance.
- The Operation Clean Desert interactive computer game and activity book will be made available to youth participating in the 'Bring Your Daughters and Sons to Work Day' on April 24 at the offices of Stoller-Navarro Joint Venture (Las Vegas), one of several contractors working in support of the Department of Energy National Nuclear Security Administration Nevada Site Office.
- The Operation Clean Desert learning trio will be on display, and interactive activities will be available, through Public Involvement's participation in the launch of the 'Amusement Park Science' exhibit at the Atomic Testing Museum (Las Vegas). The event is scheduled for April 26.
- Meet with the Environmental Management Student Forum (a group of high school students from Advanced Technologies in Las Vegas, NV) four times (once a week) to development of an interactive Nevada Test Site Environmental Management timeline.

- Will participate in the Semi-Annual Site Specific Advisory Board Chairs meeting in Richland, WA.