

Environmental Management's Monthly Report to the CAB

April 2007

Low-Level Waste (LLW):

Completed Activities (March)

- Conducted four (4) facility evaluations (Lawrence Livermore National Laboratory, General Atomic, Boeing, and Sandia National Laboratory,)
- Received 304,836 cubic feet of LLW in 351 shipments at the Nevada Test Site, as of March 19, 2007
- LLW Operations has worked 304,260 hours since last lost-time accident (September 2003)
- On February 6, 2007, a LLW container from an approved generator arrived at the Nevada Test Site leaking liquid. The Nevada Site Office and the generator immediately suspended the remaining shipments of the waste stream to the Nevada Test Site. The container was staged at the Area 5 Radioactive Waste Management Site on an impermeable cloth. Through vigorous inquiry, it was determined that the container is no longer leaking. The container held 55-gallon steel drums that were placed into plastic 85-gallon over packs. The Nevada Site Office and the generator believe the leak was due to the failure of the plastic over pack caused by vibration and rubbing during transport to the Nevada Test Site. The contents of the drums contained less than one percent liquid therefore the containers met disposal criteria. It is anticipated that the container will be disposed in the near future. The Nevada Site Office issued a Corrective Action Request (CAR) to the generator which required the generator to respond with a Corrective Action Plan. The generator responded with a Corrective Action Plan (CAP) describing methods to prevent reoccurrence. The remaining LLW at the generator site was repackaged into lined B-25 boxes and placed into cargo containers that had a polyurethane sealer sprayed onto the floor. Extra plywood flooring was also added to the top of the sealed floor. On March 24, 2007, the generator resumed its shipments to the Nevada Test Site. On Monday, March 26, 2007, three (3) shipments arrive without any incident. Five (5) more shipments arrived on March 29, 2007.

Expectations (April)

- Conduct two (2) unannounced generator facility evaluations
- Host the Spring Generator Workshop on April 23-27, 2007
- Host the Annual Low-Level Waste Federal Review Group meeting on April 23-27, 2007

Mixed Low-Level Waste (MLLW):

Completed Activities (March)

- Received 2,014 cubic feet in eight (8) shipments at the Nevada Test Site, as of February 23, 2006

Expectations (April)

- Planned facility evaluations are included in the LLW portion of this report
- Host the MLLW Summit III meeting on April 25, 2007

Transuranic (TRU) Waste

Completed Activities (March)

- Final plans including cost for the size reduction and waste segregation of the oversized boxes has been submitted and approved by the Nevada Site Office
- Met with Nevada Division of Environmental Protection personnel at the Area 5 Radioactive Waste Management Complex (RWMC) on March 27, 2007. Inspected the remaining TRU drums and discussed the proposed 2007 Site Treatment Plan (STP) milestones for the remaining TRU waste.

Expectations (April)

- Begin venting the oversize boxes in the TRU Pad Cover Building
- Submit Final 2007 Site Treatment Plan to Nevada Division of Environmental Protection by April 30, 2007

Industrial Sites

Completed Activities (March)

- Began investigation fieldwork for Corrective Action Unit (CAU) 190: Contaminated Waste Sites
- Began investigation fieldwork for CAU 553: Areas 19, 20, Mud Pits and Cellars
- Continued investigation fieldwork for CAU 565: Stored Samples
- Began corrective action fieldwork for CAU 300: Surface Release Areas
- Began corrective action fieldwork for CAU 543: Liquid Disposal Units
- Continued corrective action fieldwork for CAU 127: Areas 25 and 26 Storage Tanks
- Continued Decontamination & Decommissioning (D&D) fieldwork for CAU 118: Area 27 Super Kukla Facility
- Receive Nevada Division of Environmental Protection approval for the Errata Sheet to the Corrective Action Decision Document (CADD) for CAU 139: Waste Disposal Sites
- Submitted for approval the Corrective Action Decision Document Closure Report (CADD/CR) for CAU 137: Waste Disposal Sites to the Nevada Division of Environmental Protection
- Submitted for approval the CADD/CR for CAU 166: Storage Yards and Contaminated Materials to the Nevada Division of Environmental Protection
- Submitted for approval the CADD/CR for CAU 555: Septic Systems to the Nevada Division of Environmental Protection
- Submitted and received Nevada Division of Environmental Protection approval of the Corrective Action Plan (CAP) for CAU 151: Septic Systems and Discharge Area
- Received Nevada Division of Environmental Protection approval of the Closure Report (CR) for CAU 177: Mud Pits and Cellars
- Received Nevada Division of Environmental Protection approval of the CR for CAU 538: Spill Site

- Submitted for Nevada Division of Environmental Protection approval the Errata Sheet to the CR (August 2002) for CAU 356: Mud Pits and Disposal Sites
- Submitted for Nevada Division of Environmental Protection approval the Final Post-Closure Inspection Report for CAU 92: Area 6 Decon Pond Facility
- Submitted for Nevada Division of Environmental Protection approval the Post-Closure Inspection Letter Report for CAUs 5, 115, 140, 143, 165, 204, 219, 254, 261, 262, 271, 309, 322, 335, 339, 357, 529, 552, and 554 on the Nevada Test Site

Expectations (April)

- Continue investigation fieldwork for CAU 190: Contaminated Waste Sites
- Continue investigation fieldwork for CAU 553: Areas 19, 20, Mud Pits and Cellars
- Continue investigation fieldwork for CAU 565: Stored Samples
- Begin D&D fieldwork for CAU 116: Area 25 Test Cell C Facility
- Continue D&D fieldwork for CAU 118: Area 27 Super Kukla Facility
- Begin corrective action fieldwork for CAU 224: Decon Pad and Septic Systems
- Resume corrective action fieldwork for CAU 484: Surface Debris, Waste Sites, and Burn Area (Tonopah Test Range)
- Begin corrective action fieldwork for CAU 537: Waste Sites
- Begin corrective action fieldwork for CAU 553: Areas 19, 20 Mud Pits and Cellars
- Continue corrective action fieldwork for CAU 127: Areas 25 and 26 Storage Tanks
- Continue corrective action fieldwork for CAU 300: Surface Release Areas
- Continue corrective action fieldwork for CAU 543: Liquid Disposal Units
- Submit for Nevada Division of Environmental Protection approval the Streamlined Approach for Environmental Restoration Process for CAU 124: Storage Tanks
- Submit for Nevada Division of Environmental Protection approval the CADD/CR for CAU 542: Disposal Holes
- Receive Nevada Division of Environmental Protection approval for the CADD/CR for CAU 137: Waste Disposal Sites
- Receive Nevada Division of Environmental Protection approval for the CADD/CR for CAU 166: Storage Yards and Contaminated Materials
- Receive Nevada Division of Environmental Protection approval for the CADD/CR for CAU 555: Septic Systems
- Submit to Nevada Division of Environmental Protection for approval Revision 1 of CAP for 543: Liquid Disposal Units
- Submit for Nevada Division of Environmental Protection approval the CR for CAU 516: Septic Systems and Discharge Points
- Receive Nevada Division of Environmental Protection approval on the Errata Sheet to CR (August 2002) for CAU 356: Mud Pits and Disposal Sites
- Receive Nevada Division of Environmental Protection approval for the Post-Closure Inspection Letter Report for CAUs 5, 115, 140, 143, 165, 204, 219, 254, 261, 262, 271,

309, 322, 335, 339, 357, 529, 552, and 554 on the Nevada Test Site

- Receive Nevada Division of Environmental Protection approval for the Post-Closure Inspection Report for CAU 92: Area 6 Decon Pond Facility

Underground Test Area (UGTA)

Completed Activities (March)

Frenchman Flat

- Continued Phase II Transport Modeling Analysis and Evaluation
- Continued Phase II Transport Modeling Analysis and Evaluation
- Completed pumping and sampling of the Radionuclide Migration (RNM) #1 and RNM #2S wells

Pahute Mesa

- Continued Phase I Transport Modeling Analysis and Evaluation

Yucca Flat

- Completed draft report development for Phase I Transport Parameter Data Analysis
- Continued report development for Phase I Transport Parameter Data Analysis
- Continued Phase I Flow Model Analysis and Evaluation

Rainier Mesa/Shoshone Mountain

- Continued Phase I Transport Parameter Analysis and Evaluation
- Continued Phase I Transport Parameter Analysis and Evaluation
- Continued Phase I Hydrology Analysis and Evaluation

Expectations (April)

Frenchman Flat

- Continue Phase II Transport Modeling Analysis and Evaluation
- Continue Phase II Transport Model draft report development

Pahute Mesa

- Continue Phase II Transport Modeling Analysis and Evaluation
- Continue Phase II Transport Model draft report development
- Continue Phase I Transport Modeling Analysis and Evaluation
- Continue Phase I Transport Model draft report development

Yucca Flat

- Initiate Phase I Transport Parameter report DOE Review
- Continue Phase I Flow Model Analysis and Evaluation
- Complete draft Phase I Transport Parameter report and initiate Phase I Transport Parameter report DOE Review

Rainier Mesa/Shoshone Mountain

- Continue Phase I Transport Parameter Analysis and Evaluation
- Continue Phase I Hydrology Analysis and Evaluation

Soils

Completed Activities (March)

- Continued work on the Grouping/strategy document
- Continued to input data such as maps, drawings, *Federal Facility Agreement and Consent Order* (FFACO) documents, and soils characterization information into the Soils Project Database for use by project personnel
- Compiled data to support Nuclear Facility Re-Categorization
- Began to evaluate the quality of existing data to aid in the grouping of soils sites and continued review and analysis of Radionuclide Inventory and Distribution Project data

Expectations (April)

- Continue the finalization of the Grouping/strategy document
- Continue to input data such as maps, drawings, FFACO documents, and soils characterization information into the Soils Project Database for use by project personnel
- Continue the development of the preliminary revised soils sites Corrective Action Site (CAS) groupings

Public Involvement:

Completed Activities (March)

- Distributed Operation Clean Desert mailings to both public and private elementary schools in Clark and Nye counties, as well as to all Las Vegas area Boys and Girls Clubs, the Las Vegas Area Council of the Boy Scouts of America, and the Girl Scouts of Frontier Council. The mailings consisted of a brochure and letter introducing the selected parties to Environmental Management's (EM) Operation Clean Desert (OCD) program. The OCD program consists of a computer game, an activity book, and an interactive display geared towards teaching elementary school-aged children about environmental restoration activities at the Nevada Test Site.
- Distributed one copy of the OCD computer game and one activity book to a 4th grade teacher at Parson Elementary School in Las Vegas
- Distributed one OCD packet (packet includes one copy each of the OCD computer game, activity book, and brochure, as well as an EM brochure, a Speaker's Bureau brochure, and a Nevada Test Site brochure) to the Gifted and Talented Education teacher at Parson Elementary School in Las Vegas
- Distributed one OCD packet to 3rd grade teacher at Parson Elementary School in Las Vegas
- Lynch Elementary School in Las Vegas requested two speakers to be present at the school's career day on May 18, 2007. Also requested were 300 OCD activity books, 10 CDs of the OCD computer game, and the OCD Display for May 10-18, 2007.
- Distributed one OCD packet to Dearing Elementary School in Las Vegas, on March 13, 2007
- Distributed 410 OCD activity books, 17 CDs of the OCD computer game, and 410 boxes of soy crayons to Dearing Elementary School in Las Vegas
- Met with and distributed one OCD packet to 5th grade teacher at Woolley Elementary School in Las Vegas, on March 15, 2007. Also received request for 250 OCD activity books, 8 CDs of the OCD computer game, and the OCD display for the week of June 25-29, 2007.
- Met with and distributed one OCD packet to the Andre Agassi Boys & Girls Club in Las Vegas on March 28, 2007
- Met with and distributed one OCD packet to Sewell Elementary School in Henderson, on March 27, 2007
- Met with and distributed one OCD packet to Hafen Elementary School in Pahrump, on March 29, 2007
- Total OCD materials distributed in March: 25 computer game CDs and 418 activity books