

Environmental Management's Monthly Report to the CAB

May 2007

Low-Level Waste (LLW):

Completed Activities (April)

- Conducted two (2) generator site visits. These visits were to discuss possible new waste streams for disposal from Aberdeen Proving Ground and Lovelace.
- Received 307,866 cubic feet of LLW in 416 shipments for disposal at the Nevada Test Site (NTS), as of April 26, 2007.
- LLW Operations has worked 310,947 hours since last lost-time accident (September 2003).
- Hosted the Spring Generator Workshop from April 23-26, 2007. All NTS generators participated. Discussed stakeholders issues (avoiding the Las Vegas metropolitan areas, route use), Radioactive Waste Acceptance Program (RWAP) issues (compliance with NTS Waste Acceptance Criteria), and possible new waste streams (LLW, Mixed LLW).
- Hosted the annual Low-Level Waste Federal Review Group (LFRG) meeting on April 23-27, 2007. The Nevada Site Office briefed the Review Group on its updated Performance Assessment/Composite Analysis Annual Summary. Also discussed review team development for upcoming LFRG reviews of the U.S. Department of Energy Complex'.

Expectations (May)

- Conduct four (4) unannounced generator facility evaluations.
- Expect to receive 100,000 cubic feet of LLW for disposal in May.

Mixed Low-Level Waste (MLLW):

Completed Activities (March)

- Received 87,273 cubic feet in 68 shipments for disposal at the NTS, as of April 26, 2007.
- Hosted the MLLW Summit III meeting on Wednesday, April 25, 2007. All NTS generator sites participated. Discussed new disposal technologies to possibly allow increased use of available NTS disposal capacity.

Expectations (May)

- Planned facility evaluations are included in the LLW portion of this report
- Expect to receive 10,000 cubic feet of MLLW for disposal in May

Transuranic (TRU) Waste

Completed Activities (April):

- Submitted Final 2007 Site Treatment Plan to Nevada Division of Environmental Protection (NDEP)
- Met with NDEP at the Area 5 Radioactive Waste Management Complex (RWMC) on April 17, 2007. Observed the box venting demonstration, and inspected the Mutual Consent Agreement drum inventory and remaining TRU drums.

Expectations (May):

- Venting of the Over-Size Boxes in the TRU Pad Cover Building.
- Nevada Site Office to conduct an assessment of National Security Technologies' Safety Management Programs at the Area 5 RWMC.

Industrial Sites

Completed Activities (April):

- Continued Decontamination and Decommissioning (D&D) fieldwork for Corrective Action Unit (CAU) 118: Area 27 Super Kukla Facility.
- Continued corrective action fieldwork for CAU 127: Areas 25 and 26 Storage Tanks.
- Continued investigation fieldwork for CAU 190: Contaminated Waste Sites.
- Continued corrective action fieldwork for CAU 300: Surface Release Areas.
- Continued corrective action fieldwork for CAU 484: Surface Debris, Waste Sites, and Burn Area (Tonopah Test Range).
- Completed corrective action fieldwork for CAU 537: Waste Sites.
- Continued corrective action fieldwork for CAU 543: Liquid Disposal Units.
- Continued investigation fieldwork for CAU 553: Areas 19, 20, Mud Pits and Cellars.
- Continued investigation fieldwork for CAU 565: Stored Samples.
- Began D&D fieldwork for CAU 116: Area 25 Test Cell C Facility.
- Submitted to and received approval from NDEP on the Closure Report for CAU 516: Septic Systems and Discharge Points.
- Received NDEP approval on the Streamlined Approach for Environmental Restoration Plan for CAU 124: Storage Tanks.
- Submitted to NDEP for approval the Corrective Action Decision Document Closure Report for CAU 542: Disposal Holes.
- Received NDEP approval on the Post-Closure Inspection Letter Report for CAUs 5, 140, 143, 165, 204, 254, 261, 262, 271, 322, 335, 339, 342, 357, 529, 552, and 554.
- Received NDEP approval on the Corrective Action Decision Document for CAU 166: Storage Yards and Contaminated Materials.

Expectations (May):

- Continue D&D fieldwork for CAU 116: Area 25 Test Cell C Facility.
- Continue D&D fieldwork for CAU 118: Area 27 Super Kukla Facility.
- Continue corrective action fieldwork for CAU 127: Areas 25 and 26 Storage Tanks.
- Continue corrective action fieldwork for CAU 543: Liquid Disposal Units.
- Continue investigation fieldwork for CAU 553: Areas 19, 20, Mud Pits and Cellars.
- Begin corrective action fieldwork for CAU 224: Decon Pad and Septic Systems.
- Complete corrective action fieldwork for CAU 300: Surface Release Areas.
- Complete corrective action fieldwork for CAU 484: Surface Debris, Waste Sites, and

Burn Area (Tonopah Test Range).

- Continue investigation fieldwork for CAU 565: Stored Samples.
- Receive NDEP approval on the Corrective Action Decision Document/Closure Report for CAU 542: Disposal Holes.
- Submit to NDEP for approval the Corrective Action Plan Revision 1 for CAU 543: Liquid Disposal Units.
- Submit to NDEP for approval the Closure Letter Report for CAU 496: Buried Rocket Site – Antelope Lake (Tonopah Test Range).

Underground Test Area (UGTA)

Completed Activities (April)

Frenchman Flat

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

Pahute Mesa

- Continued Phase I Transport Modeling Analysis and Evaluation.
- Continued Phase I Transport Model draft report development.

Yucca Flat

- Completed review of the draft report for Phase I Transport Parameter Data Analysis and continued Phase I Transport Parameter Draft Report DOE Review.
- Continued Phase I Flow Model Analysis and Evaluation.

Rainier Mesa/Shoshone Mountain

- Continued Phase I Transport Parameter Analysis and Evaluation.
- Continued Phase I Hydrology Analysis and Evaluation.
- Initiate planning for groundwater sampling at well ER-12-1.

Expectations (May)

Frenchman Flat

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

Pahute Mesa

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

Yucca Flat

- Continue Phase I Flow Model Analysis and Evaluation.
- Complete final Phase I Transport Parameter report.
- Continue Phase I Transport Parameter Draft Report DOE Review.

Rainier Mesa/Shoshone Mountain

- Continue Phase I Transport Parameter Analysis and Evaluation.

- Continue Phase I Hydrology Analysis and Evaluation.
- Complete pumping and sampling of the ER-12-1 well.

Soils

Completed Activities (April)

- 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.
- Continued evaluation of 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 (May)

- Complete 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.
- Complete the development of the preliminary revised soils sites Corrective Action Site (CAS) groupings.

Public Involvement:

Completed Activities (April)

- Coordinated with Speaker's Bureau to arrange speaking engagements at Lynch Elementary, Sewell Elementary, and Hayden Elementary for the Operation Clean Desert (OCD) program.
- Delivered 50 OCD activity books, 5 CDs of the OCD game, 50 boxes of soy crayons, 50 recycled currency pencils, and 50 recycled denim rulers to the Andre Agassi Boys & Girls Club of Las Vegas on April 11.
- Setup the OCD display at the Andre Agassi Boys & Girls Club of Las Vegas from April 11 – April 18.
- Delivered 30 OCD activity books, 20 CDs of the OCD game, 30 boxes of soy crayons, 30 recycled currency pencils, and 30 recycled denim rulers to the Stoller-Navarro Joint Venture (SNJV) Cheyenne office for "Take Your Kids to Work Day."
- Setup OCD display at the SNJV Cheyenne office from April 20 – April 30 for "Take Your Kids to Work Day."

Expectations (May)

- Meeting scheduled at Lynch Elementary on May 10 to discuss OCD program.
- Will deliver 300 OCD activity books, 10 CDs of the OCD game, and will setup the OCD display at Lynch Elementary from May 10 – May 18.
- Will deliver 400 OCD activity books, 3 CDs of the OCD game, and will setup the OCD display at Hafen Elementary in Pahump from May 21 – May 31.