

Environmental Management's Monthly Report to the CAB
August 2007

Low-Level Waste (LLW):

Completed Activities (July)

- Conducted three (3) impromptu surveillances of generator sites. The generator sites visited were Pantex, Aberdeen Proving Grounds, and Nuclear Fuel Services.
- Received 504,367 cubic feet of LLW in 682 shipments for disposal at the Nevada Test Site (NTS), as of July, 20, 2007.
- LLW Operations has worked 325,283 hours since last lost-time accident (September 2003).
- FY 2008 LLW and MLLW Forecast request sent to Generators.

Expectations (August)

- Conduct two (2) audits and one (1) unannounced generator facility evaluation. The facilities to be audited are Los Alamos National Laboratory and Paducah. The NDEP will be observers on both audits.
- Expect to receive 100,000 cubic feet of LLW for disposal in August.
- Expect to receive FY 2008 LLW and MLLW forecasts by August 3. Once received, the NTS will develop its Disposal Operations task plans.

Mixed Low-Level Waste (MLLW):

Completed Activities (July)

- Received 134,783 cubic feet in 118 shipments for disposal at the NTS, as of July 20, 2007.

Expectations (August)

- Planned facility evaluations are included in the LLW portion of this report
- Expect to receive 500 cubic ft MLLW in August.

Transuranic Waste (TRU)

Completed Activities (July)

- NSTec awarded contracts with disposal facilities to treat the drums that did not ship to WIPP as TRU waste but will be treated off-site and returned to be disposed as mixed low level waste at the Nevada Test Site.
- Review of nuclear safety documents to allow size reduction and waste segregation in the VERB continues. Construction can begin after the documents are approved by NNSA/NSO.
- A process to vent the 12 boxes that could not be vented using the Rapidport vent installation tool is being evaluated.

Expectations (August)

- LLW/MLLW drums will be prepared to be shipped off-site by the end of the fiscal year.
- NNSA/NSO is scheduled to approve nuclear safety documents to allow size reduction and waste segregation to be performed in the VERB.
- Construction on the VERB modifications is scheduled to begin.

Industrial Sites

Completed Activities (July)

- Completed Decontamination & Decommissioning (D&D) fieldwork for CAU 118: Area 27 Super Kukla Facility

- Began and completed Streamlined Approach for Environmental Restoration (SAFER) fieldwork for CAU 124: Storage Tanks
- Continue D&D field work for Correction Action Unit (CAU) 116: Area 25 Test Cell C Facility
- Continued corrective action fieldwork for CAU 127: Areas 25 and 26 Storage Tanks
- Continued corrective action fieldwork for CAU 224: Decon Pad and Septic Systems
- Continued corrective action fieldwork for CAU 484: Surface Debris, Waste Sites, and Burn Area (Tonopah Test Range)
- Continued corrective action fieldwork for CAU 543: Liquid Disposal Units
- Continued investigation fieldwork for CAU 565: Stored Samples
- Began investigation field work for CAU 563: Septic Systems
- Received Nevada Division Environmental Protection (NDEP) acceptance the Post-Closure Inspection Report for Tonopah Test Range (CAUs: 400, 404, 407, 423, 424, 426, 427, 453, and 487)
- Received NDEP approval the Final Corrective Action Investigation Plan (CAIP) for CAU 545: Dumps, Waste Disposal Sites, and Buried Radioactive Materials
- Submitted to NDEP for approval the SAFER for CAU 121: Storage Tanks and Miscellaneous Sites
- Submitted approved Record of Technical Change for the Final Corrective Action Plan (CAP) for CAU 127: Areas 25 and 26 Storage Tanks
- Submitted to NDEP for approval for the Closure Report (CR) for CAU 537: Waste Sites

Expectations (August)

- Continue D&D field work for CAU 116: Area 25 Test Cell C Facility
- Continue corrective action fieldwork for CAU 127: Areas 25 and 26 Storage Tanks
- Continue corrective action fieldwork for CAU 224: Decon Pad and Septic Systems
- Complete corrective action fieldwork for CAU 484: Surface Debris, Waste Sites, and Burn Area (Tonopah Test Range)
- Continue corrective action fieldwork for CAU 543: Liquid Disposal Units
- Continue investigation fieldwork for CAU 565: Stored Samples
- Continue investigation field work for CAU 563: Septic Systems
- Complete SAFER fieldwork for CAU 124: Storage Tanks
- Submit to NDEP for acceptance of the Post Closure Inspection Monitoring Report for CAU 110: Area 3 WMD U-3ax/bl Crater
- Submitted to NDEP for approval the Corrective Action Plan for CAU 139: Waste Disposal Sites
- Submit to NDEP for approval the CAIP for CAU 234: Mud Pits, Cellars, and Mud Spills
- Submit to NDEP for approval for the CR for CAU 536: Area 3 Release Site
- Receive NDEP approval for the SAFER Plan for CAU 121: Storage Tanks and

Miscellaneous Sites

- Receive NDEP approval for the CR for CAU 537: Waste Sites

Underground Test Area (UGTA)

Completed (July)

Frenchman Flat

- Continued Phase II Transport Modeling Analysis and Evaluation
- Continued routine project support activities
- Developing proposed FY 2008 Task Plan.
- Completed Project Manager walk-through inspection of Building 6-901.

Pahute Mesa

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

Yucca Flat

- Ran a caliper survey and wireline depth measurement in the ER-8-1 well.
- Initiated response to NDEP and NNSA/NSO (Technical Security Support Team) review comments on the Phase I Transport Parameter Draft "Revision 1" Report.
- Continued Phase I Flow Model Analysis and Evaluation.
- Mobilized for re-completion of well ER-8-1.

Rainier Mesa/Shoshone Mountain

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

Expectations (August)

Frenchman Flat

- Complete Phase II Transport Modeling Analysis and Evaluation.
- Continue Phase II Transport Model draft report development.
- Continue routine project support activities.
- Submit proposed FY 2008 Task Plan.

Pahute Mesa

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

Yucca Flat

- Clean out and complete the ER-8-1 well as a water level monitoring well.
- Continue Phase I Flow Model Analysis and Evaluation.
- Complete response to NDEP and NNSA/NSO (Technical Security Support Team) review comments on the Phase I Transport Parameter Draft "Revision 1" Report.
- Complete the re-completion of well ER-8-1.

Rainier Mesa/Shoshone Mountain

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

Soils

Completed Activities (July)

- Began consultation between NSTec/NSO on the Exemption Request in lieu of the Nuclear Facility Categorization document
- Continued planning process for FY08 activities
- Began preparations for meeting with NDEP in mid-August

Expectations (August)

- Continue development of Soils Project Data Summaries for the proposed new Soils CAUs.

- Continue to input data such as maps, drawings, FFACO documents, and soils characterization information into the Soils Project Database for use by project personnel.
- Incorporate input into 10 CFR 830 Exemption Request document and finalize.
- Continue the investigation of the eleven potential soil sites for inclusion into the FFACO.

Public Involvement:

Completed Activities (July)

- Delivered 10 Operation Clean Desert (OCD) teacher's packets to the Public Reading Room (packet includes 1 OCD activity book, 1 OCD computer game CD, 1 OCD brochure, 1 Environmental Management (EM) Public Outreach brochure, 1 distribution form, and 1 cover letter)

Expectations (August)

- Setup OCD display at "Get to Know Your Community Day" sponsored by the Clark County School District
- Further enhancements to OCD computer game