Environmental Management
Monthly Report to the NSSAB
October 2014

Waste Disposal and Transportation

• The quarterly waste volumes for low-level waste (LLW) and mixed low-level waste (MLLW) for the quarter ending September 30, 2014, for the Nevada National Security Site (NNSS) will be provided in the Monthly Report to the NSSAB for November 2014.

• Update from previous month’s reports - Los Alamos National Laboratory (LANL), Los Alamos, New Mexico: The Nevada Field Office, Radioactive Waste Acceptance Program (RWAP) conducted its verification review of the LANL Corrective Action Plan (CAP) in August 2014 with satisfactory results; therefore RWAP closed the CAP in September 2014 (please see May – September 2014 NSSAB Monthly Reports for more information). LANL is now approved to ship LLW to the NNSS.

• Update from previous month’s reports - Oak Ridge Reservation in Oak Ridge, Tennessee: The Facility Evaluation resulted in three Observations (please see July – September 2014 NSSAB Monthly Reports for more information). The status for this item remains unchanged from last month.

• In September 2014, RWAP conducted the following Facility Evaluations:
  o Idaho National Laboratory, Idaho Falls, Idaho (mixed waste verification): No issues were identified.
  o Babcock and Wilcox Conversion Services (BWCS), Paducah, Kentucky: RWAP conducted an initial visit to BWCS to be approved as a new NNSS generator. The Facility Evaluation resulted in eight Observations and the generator will have 30 days to respond after receiving the final RWAP report. The Observations will need to be closed by RWAP before BWCS is approved to ship LLW to the NNSS.

• During October 2014, approximately 80,000 cubic feet of LLW and mixed LLW is forecasted for disposal at the NNSS.

• RWAP plans to conduct three Facility Evaluations in October 2014.

• LLW and MLLW Transportation Routing Quarterly Report for 3rd Quarter, April – June 2014, is available online at http://www.nv.energy.gov/emprograms/transportationreports.aspx.
Underground Test Area (UGTA)

Corrective Action Unit (CAU) 97, Yucca Flat
In September 2014, comment responses were being prepared to the draft External Peer Review panel report submitted to the Nevada Field Office in July 2014.

CAU 98, Frenchman Flat
During September 2014, sampling data packages were completed for wells UE-5n, RNM-1, and RNM-2S. State of Nevada Division of Environmental Protection (NDEP) comments were received on the Model Evaluation Report Revision 0 and the Revision 1 of the report was distributed.

CAU 99, Rainier Mesa/Shoshone Mountain
In September 2014, U.S. Geological Survey continued addressing Preemptive Review Committee comments to the conceptual model report.

CAUs 101/102, Pahute Mesa
In September 2014, work continued on several Phase II geology, hydrology, transport analysis, and evaluation tasks; preparation continued of the well development and testing data analysis reports for Wells ER-EC-12, ER-EC-13, and ER-20-11; and field sampling continued in support of the Sampling Technologies Methods plan.

Industrial Sites

Non-Resource Conservation and Recovery Act (RCRA) Post-Closure Monitoring Sites
The Non-RCRA Post-Closure Monitoring Sites include 129 Corrective Action Sites (CASs) where post-closure inspections and maintenance are performed in accordance with closure requirements. Annual inspections will be conducted in October 2014.

RCRA Post-Closure Monitoring Sites
The RCRA Post-Closure Monitoring Sites include six CAUs where post-closure inspections, monitoring, and maintenance are performed in accordance with the RCRA Permit and closure requirements. In September 2014, quarterly inspections were conducted and repairs and maintenance identified during the inspections will be performed in October 2014.

CAU 575, Area 15 Miscellaneous Sites
CAU 575 comprises two CASs related to historical nuclear testing. In September 2014, preparation of the Streamlined Approach for Environmental Restoration (SAFER) Plan continued and will continue in October 2014.
Soils

**CAUs 411 and 412, Double Tracks Plutonium Dispersion and Clean Slate I Plutonium Dispersion**
CAUs 411 and 412 comprise one CAS each on the Nevada Test and Training Range. In September 2014, preparation of the SAFER Plans for CAUs 411 and 412 continued and will continue in October 2014. The SAFER Plans for CAUs 411 and 412 are enforceable milestones under the Federal Facility Agreement and Consent Order and are currently due to NDEP in March 2015.

**CAU 413, Clean Slate II Plutonium Dispersion**
CAU 413 comprises one CAS on the Nevada Test and Training Range. Waste management activities were conducted in September 2014.

**CAU 415, Project 57 No. 1 Plutonium Dispersion**
CAU 415 comprises one CAS related to historical nuclear testing. In May 2014, the SAFER Plan for CAU 415 was approved by NDEP; plans to implement the corrective actions will continue in October 2014.

**CAU 541, Small Boy**
CAU 541 comprises two CASs related to historical nuclear testing. In September 2014, the Corrective Action Investigation Plan was approved by NDEP.

**CAU 550, Smoky Contamination Area**

**CAU 567, Miscellaneous Soil Sites**
CAU 567 comprises four CASs related to historical nuclear testing. In September 2014, work on the CADD/CR for CAU 567 continued and will continue in October 2014.

**CAU 568, Area 3 Plutonium Dispersion Sites**
CAU 568 comprises six CASs related to historical nuclear testing. In September 2014, radiological activities and sampling were performed. These activities will continue in October 2014.

**CAU 573, Alpha Contaminated Sites**
CAU 573 comprises two CASs related to historical nuclear testing. In September 2014, pre-field activities began and will continue in October 2014.

**Public Involvement:**

- Ongoing exhibits:
  - *Operation Clean Desert* – Nevada Public Reading Room in Las Vegas, Beatty Library, Amargosa Valley Library, Goldfield Library, and Central Nevada Museum in Tonopah
  - Environmental Management kiosk – Rainbow Library
- Events/Outreach:
  - Participated in planning meeting and conference calls for National Nuclear Education Week event
Provided 200 Operation Clean Desert activity books to the National Atomic Testing Museum Public Reading Room
Attended Connecting Hands: Offering Lifelong Learning Adventures (CHOLLA) education group meeting at National Atomic Testing Museum
Supported September 23rd NNSS tour for a writer from Desert Companion Magazine
Supported September 24th NNSS tour for Pahrump residents

Publications:
Ongoing social media campaign (Facebook and Twitter)

NSSAB:
NSSAB Full Board Meeting – September 10th
Conducted an intergovernmental meeting with NSSAB Liaisons – September 10th
NSSAB Chair and Vice-Chair participated in the fall EM SSAB National Chairs’ Meeting and tour in Idaho Falls, Idaho – September 15 – 18th
Seven (7) NSSAB Members attended the Community Environmental Monitoring Program Workshop for general radiation training – September 21st