

**Environmental Management
Monthly Report to the NSSAB
November 2014**

Waste Disposal and Transportation

- As of September 30, 2014, the Nevada National Security Site (NNSS) has disposed 1,177,473 cubic feet of low-level waste (LLW), 82,113 cubic feet of mixed LLW (MLLW), 5,351 cubic feet of non-rad classified waste, and 4,382 cubic feet of non-rad classified hazardous waste during fiscal year 2014. These numbers are preliminary until internal quality checks are completed.
- Update from previous month's reports - Oak Ridge Reservation (ORR) in Oak Ridge, Tennessee: The Facility Evaluation resulted in three Observations (please see July – October 2014 NSSAB Monthly Reports for more information). ORR has until November 27, 2014 to respond to the Radioactive Waste Acceptance Program (RWAP) regarding the Observations.
- Update from last month's report - 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 has until November 23, 2014 to respond to RWAP. The Observations will need to be closed by RWAP before BWCS is approved to ship LLW to the NNSS.
- In November 2014, approximately 100,000 cubic feet of LLW and MLLW is forecasted for disposal at the NNSS.
- In October 2014, RWAP conducted three Facility Evaluations:
 - Consolidate Nuclear Security, LLC, Y-12, Oak Ridge, Tennessee: The Facility Evaluation resulted in one Observation, and the generator will have 30 days to respond after receiving the final RWAP report.
 - Sandia National Laboratory, Albuquerque, New Mexico: The Facility Evaluation resulted in one Observation that the generator corrected while RWAP was on-site. RWAP also conducted mixed waste verification of three packages, and no issues were identified.
 - Advanced Mixed Waste Treatment Project, Idaho Falls, Idaho: No issues were identified.
- In October 2014, a corrective action request (CAR) was issued to Aberdeen Proving Grounds for not complying with NNSS Waste Acceptance Criteria requirements for LLW transportation. In order to close the CAR, the generator will need to complete a cause analysis and a corrective action plan. In addition, the corrective actions will need to be verified by the NNSS RWAP.
- RWAP plans to conduct one Facility Evaluation in November 2014.

Underground Test Area (UGTA)

Corrective Action Unit (CAU) 97, Yucca Flat

In October 2014, comment responses continued to be prepared to the draft External Peer Review panel report submitted to the Nevada Field Office in July 2014.

CAU 98, Frenchman Flat

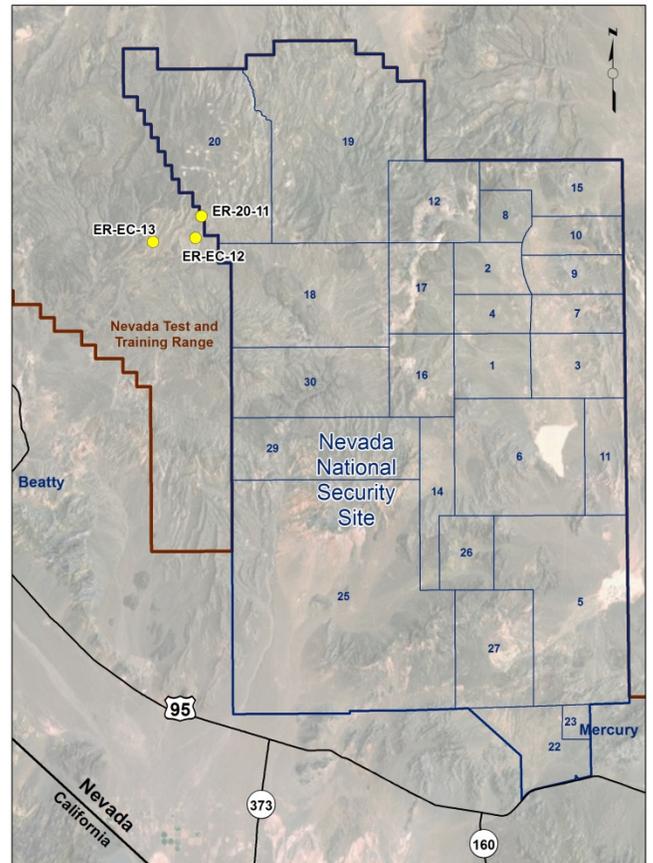
During October 2014, an outline for the Closure Report was developed.

CAU 99, Rainier Mesa/Shoshone Mountain

In October 2014, U.S. Geological Survey continued addressing Preemptive Review Committee comments to the conceptual model report.

CAUs 101/102, Pahute Mesa

In October 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 were conducted in October 2014 and will continue in November 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 October 2014, repairs and maintenance identified during the September 2014 inspections were performed. Revegetation efforts at CAU 111 continued, including drill seeding of the south-north cover and an evaluation of soil samples. In November 2014, hydromulching of the CAU 111 south-north cover will occur.

CAU 575, Area 15 Miscellaneous Sites

CAU 575 comprises two CASs related to historical nuclear testing. In October 2014, preparation of the Streamlined Approach for Environmental Restoration (SAFER) Plan continued and will continue in November 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 October 2014, preparation of the SAFER Plans for CAUs 411 and 412 continued and will continue in November 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 State of Nevada Division of Environmental Protection (NDEP) in March 2015.

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 November 2014.

CAU 541, Small Boy

CAU 541 comprises two CASs related to historical nuclear testing. Site mobilization and investigation activities began in October 2014.

CAU 550, Smoky Contamination Area

CAU 550 comprises 19 CASs related to historical nuclear testing. In October 2014, preparation of the Corrective Action Decision Document/Closure Report (CADD/CR) continued and will continue in November 2014. The CADD/CR is due to NDEP in February 2015.

CAU 567, Miscellaneous Soil Sites

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

CAU 568, Area 3 Plutonium Dispersion Sites

CAU 568 comprises six CASs related to historical nuclear testing. In October 2014, radiological activities and sampling were performed. These activities will continue in November 2014.

CAU 573, Alpha Contaminated Sites

CAU 573 comprises two CASs related to historical nuclear testing. In October 2014, pre-field activities continued and will continue in November 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 National Nuclear Education Week event at Pahrump Valley Museum
 - Provided 150 *Operation Clean Desert* activity books to the Western Museums reception at the National Atomic Testing Museum
 - Provided 250 *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
- Publications:
 - Published one (1) article (*NFO Bids Farewell to Bienenstein*) in October 2014 issue of *OneVoice*
 - Ongoing social media campaign (Facebook and Twitter)
- NSSAB:
 - Quarterly meeting with EM Senior Management, NDEP, and NSSAB Chair and Vice-Chair – October 2nd
 - NSSAB Orientation – October 8th
 - NSSAB Tour of the NNSS – October 29th