

**Environmental Management
Monthly Report to the NSSAB
November 2013**

Waste Disposal and Transportation

- In August 2013, the Nevada Field Office (NFO), Radioactive Waste Acceptance Program (RWAP) conducted the following Facility Evaluation:
 - Los Alamos National Laboratory (LANL) in Los Alamos, New Mexico: The surveillance resulted in six observations which remain in progress.
- In September 2013, RWAP conducted the following impromptu surveillance:
 - Wastren Advantage Incorporated in Oak Ridge, Tennessee: The surveillance resulted in one observation which the generator corrected while RWAP was on-site.
- In September 2013, RWAP issued two Corrective Action Requests (CARs):
 - On September 16, a CAR was issued to LANL for not having shipping papers with a shipment at all times. LANL was granted an additional extension to respond to the CAR until November 22, 2013. The LANL CAR remains in progress, and LANL has subsequently self-suspended its Waste Certification Program.
 - On September 30, a CAR was issued to Wastren Advantage Incorporated (WAI) in Oak Ridge, Tennessee, for contamination on the outside of one package and on the trailer bed in excess of Nevada National Security Site (NNSS) Waste Acceptance Criteria limits. WAI submitted an acceptable Corrective Action Plan and corrective actions remain in progress until December 2013 at which time the CAR may be closed.
- Due to the Government Shutdown, the NFO did not conduct any Facility Evaluations or Mixed Waste Verifications in October 2013. These Facility Evaluations and Mixed Waste Verifications will be rescheduled later in the fiscal year.
- In November 2013, RWAP plans to conduct two Facility Evaluations and two Mixed Waste Verifications.
- During November 2013, the NNSS is forecasted to dispose approximately 104,000 cubic feet of low-level waste (LLW) and mixed LLW.

Underground Test Area (UGTA)

Corrective Action Unit (CAU) 97, Yucca Flat/Climax Mine

Revision 1 of the final flow and transport model document was completed and forwarded to the NFO and the State of Nevada Division of Environmental Protection (NDEP) in September 2013. Planning for the Peer Review continued in October 2013 and will continue in November 2013.

CAU 98, Frenchman Flat

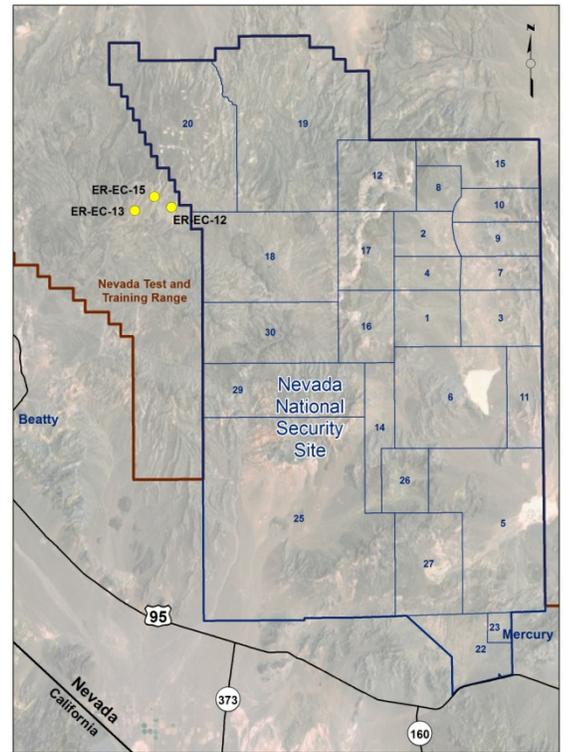
In October 2013, analysis of model evaluation data continued. Also in October 2013, data for nine Frenchman Flat wells were evaluated. The Preemptive Review Committee will evaluate aquifer test and static head data in November 2013.

CAU 99, Rainier Mesa/Shoshone Mountain

Review of the flow and transport model document by the Preemptive Review Committee continued in October 2013. Additional Preemptive Review and Modeling Team meetings are scheduled for November 2013.

CAUs 101/102, Pahute Mesa

Work continues on the Phase II framework and conceptual models. Well development and testing at the ER-EC-15 well continued in October 2013 and will continue in November 2013. Also in October 2013, preparation continued on the well development and testing data analysis report for Wells ER-EC-12 and ER-EC-13.



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. In October 2013, approval to remove or downgrade some use restrictions was received from NDEP. Removing the use restrictions will reduce post-closure monitoring costs. A strategy document is also being prepared to evaluate use restricted sites to ensure effectiveness and efficiency through consolidation, modification, and reduction of post-closure requirements. Also in October 2013, annual inspections were performed and will continue in November 2013.

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 2013, repairs identified in the quarterly inspections were performed, including repair of subsidence areas and erosion rills. Also in October 2013, seeding and hydromulching of the north cover at CAU 111 were performed as part of a revegetation effort. In November 2013, irrigation of the reseeded test plots will be performed.

Soils

CAU 105, Area 2 Yucca Flat Atmospheric Test Sites

CAU 105 comprises five CASs related to historical nuclear testing. Field investigation of these sites consists of radiological surveys, soil sampling, and thermoluminescent dosimeter (TLD) measurements. In October 2013, NDEP disapproved the Corrective Action Decision Document/Closure Report

(CADD/CR) with comments; the comments were addressed and work on Revision 1 of the document continues. In November 2013, use restriction signs will be installed.

CAU 366, Area 11 Plutonium Valley Dispersion Sites

CAU 366 comprises six CASs related to historical nuclear testing. In October 2013, preparation of the CR continued. The CR is due to NDEP in December 2013.

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 2013, preparation of the Data Quality Objectives (DQOs) and the Streamlined Approach for Environmental Restoration (SAFER) Plans for CAUs 411 and 412 continued and will continue in November 2013. The DQO process is a seven-step approach to plan investigation activities, ensuring the data collected will provide sufficient information to recommend corrective actions for CAUs 411 and 412. The DQOs will be included in the SAFER Plans for CAUs 411 and 412, which are enforceable milestones under the *Federal Facility Agreement and Consent Order (FFACO)* and due to NDEP in August 2014.

CAU 550, Smoky Contamination Area

CAU 550 comprises 19 CASs related to historical nuclear testing. Field investigation of these sites consists of radiological surveys, soil sampling, and TLD measurements. In October 2013, development of the CADD continued and will continue in November 2013. The CADD is due to NDEP in March 2014.

CAU 568, Area 3 Plutonium Dispersion Sites

CAU 568 comprises six CASs related to historical nuclear testing. In October 2013, preparation continued on the Corrective Action Investigation Plan for CAU 568, which is due to NDEP in March 2014.

CAU 570, Area 9 Yucca Flat Atmospheric Test Sites

CAU 570 comprises six CASs related to historical nuclear testing. In October 2013, preparation of the CADD/CR continued. The CADD/CR is due to NDEP in December 2013. In December 2013, use restriction signs will be installed.

CAU 571, Area 9 Yucca Flat Plutonium Dispersion Sites

CAU 571 comprises five CASs related to historical nuclear testing. In October 2013, field activities were conducted to include radiological surveys and soil sampling.

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 (Tonopah)
- Environmental Management kiosks – Green Valley Library, Henderson; Las Vegas Library, Las Vegas
- Publications:
 - Published one (1) article (*N-I Wine Makers Inspire Grape Expectations*) in the October 2013 edition of [OneVoice](#)
- NSSAB:
 - Orientation – October 2, 2013