

Environmental Management Monthly Report to the NSSAB January 2014

Waste Disposal and Transportation

- As of December 31, 2013, the Nevada National Security Site (NNSS) has disposed 179,264 cubic feet of low-level waste (LLW) and 20,305 cubic feet of mixed LLW (MLLW) during FY 2014. These numbers are preliminary until internal quality checks are completed.
- In December 2013, the Radioactive Waste Acceptance Program (RWAP) conducted a Facility Evaluation of the National Security Technologies, Inc. (NSTec) generator in Nevada. The surveillance resulted in two observations. One observation was resolved during the surveillance. Once NSTec receives the final report from the Nevada Field Office, they will have 30 days to respond to the remaining observation.
- In January 2014, RWAP plans to conduct two impromptu Facility Evaluations.
- During January 2014, approximately 121,000 cubic feet of LLW and mixed LLW is forecasted for disposal at the NNSS.
- The LLW and MLLW Transportation Routing Quarterly Report for the 4th Quarter, July – September 2013, is available at: <http://www.nv.energy.gov/emprograms/transportationreports.aspx>

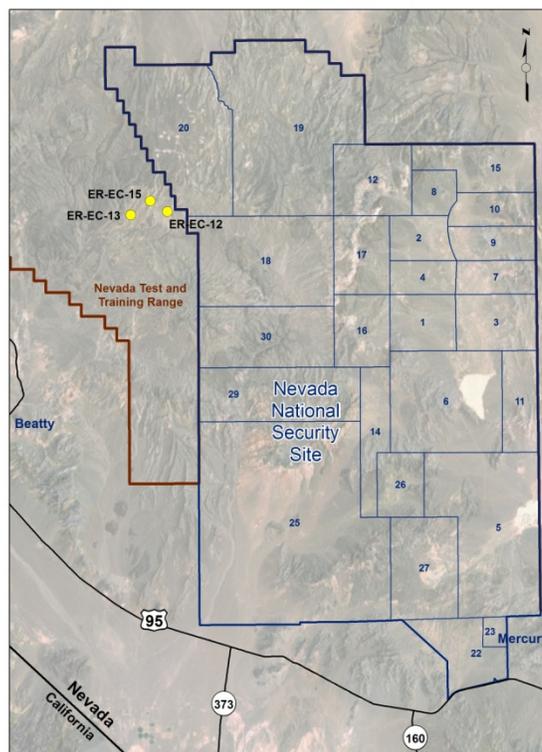
Underground Test Area (UGTA)

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

The State of Nevada Division of Environmental Protection (NDEP) and the Nevada Field Office will proceed with the external peer review of the flow and transport model document. During December 2013 and continuing in January 2014, activities were underway for the panel selection and preparation of the presentation to the panel that is currently scheduled for April 2014.

CAU 98, Frenchman Flat

Additional information was provided on the aquifer test and a presentation was given on the static head data to the Preemptive Review Committee in January 2014. Preemptive Review Committee comment-resolution continued in December 2013 and will continue in January 2014.



CAU 99, Rainier Mesa/Shoshone Mountain

Documentation of the conceptual model continued in December 2013 and will continue in January 2014 with completion expected in March 2014 with implementation of the comments from the Preemptive Review Committee. The hydrostratigraphic framework model update was in internal review during December 2013 and will continue in January 2014.

CAUs 101/102, Pahute Mesa

Work continues on several Phase II hydrogeology and hydrology analysis and evaluation tasks in December 2013 and will continue in January 2014. Well development and testing at the ER-EC-15 well continued in December 2013 and will continue in January 2014, and preparation for groundwater sampling is underway. Preparation of the well development and testing data analysis reports for Wells ER-EC-12 and ER-EC-13 continued in December 2013 and will continue in January 2014. The planned updated documentation package for the Pahute Mesa Phase II Hydrostratigraphic Framework Model is in progress with a draft expected in the summer of 2014.

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. A strategy document is being prepared to evaluate use restricted sites to ensure effectiveness and efficiency through consolidation, modification, and reduction of post-closure requirements. Annual inspections were completed in December 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 December 2013, quarterly inspections were conducted. In January 2014, irrigation of the reseeded test plots at CAU 111 will be performed.

Soils

CAU 105, Area 2 Yucca Flat Atmospheric Test Sites

CAU 105 comprises five CASs related to historical nuclear testing. In December 2013, work on Revision 1 of the Corrective Action Decision Document/Closure Report (CADD/CR) document continued and will continue in January 2014.

CAU 366, Area 11 Plutonium Valley Dispersion Sites

CAU 366 comprises six CASs related to historical nuclear testing. In December 2013, the final CR was submitted to NDEP, and a response is expected in January 2014.

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 December 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 January 2014. 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 thermoluminescent dosimeter (TLD) measurements. In December 2013, development of the CADD continued and will continue in January 2014. The CADD is due to NDEP in March 2014.

CAU 567, Miscellaneous Soil Sites

CAU 567 comprises four CASs related to historical nuclear testing. In December 2013, TLD collection continued and prefield activities were conducted.

CAU 568, Area 3 Plutonium Dispersion Sites

CAU 568 comprises six CASs related to historical nuclear testing. In December 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 December 2013, approval of the final CADD/CR was received from NDEP. With NDEP approval of the CADD/CR, this CAU is now considered to be closed.

CAU 571, Area 9 Yucca Flat Plutonium Dispersion Sites

CAU 571 comprises five CASs related to historical nuclear testing. In December 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
- Events/Outreach:
 - Planned and supported the Groundwater Open House in Beatty, NV
 - Planned and supported an “Ant Farm” groundwater demonstration at Pinecrest Academy in Las Vegas, NV
- Publications:
 - Published two (2) articles (*NNSS Tortoise Study – One Year Later; Community Monitoring Program Looks Forward with Activities*) in the November/December 2013 edition of [OneVoice](#)
- NSSAB:
 - Board members attended Groundwater Open House in support of FY 2014 Work Plan and Membership Drive – December 11, 2013