

Environmental Management Monthly Report to the NSSAB February 2014

Waste Disposal and Transportation

- In January 2014, the Nevada Field Office, Radioactive Waste Acceptance Program (RWAP) conducted the following Facility Evaluations:
 - General Atomics in San Diego, California: The surveillance resulted in one observation in quality assurance that the generator corrected while RWAP was on-site.
 - Savannah River National Laboratory in Aiken, South Carolina: The surveillance resulted in no observations or findings
- In February 2014, RWAP plans to conduct two impromptu Facility Evaluations.
- During February 2014, approximately 146,000 cubic feet of low-level waste (LLW) and mixed LLW is forecasted for disposal at the Nevada National Security Site (NNSS).

Underground Test Area (UGTA)

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

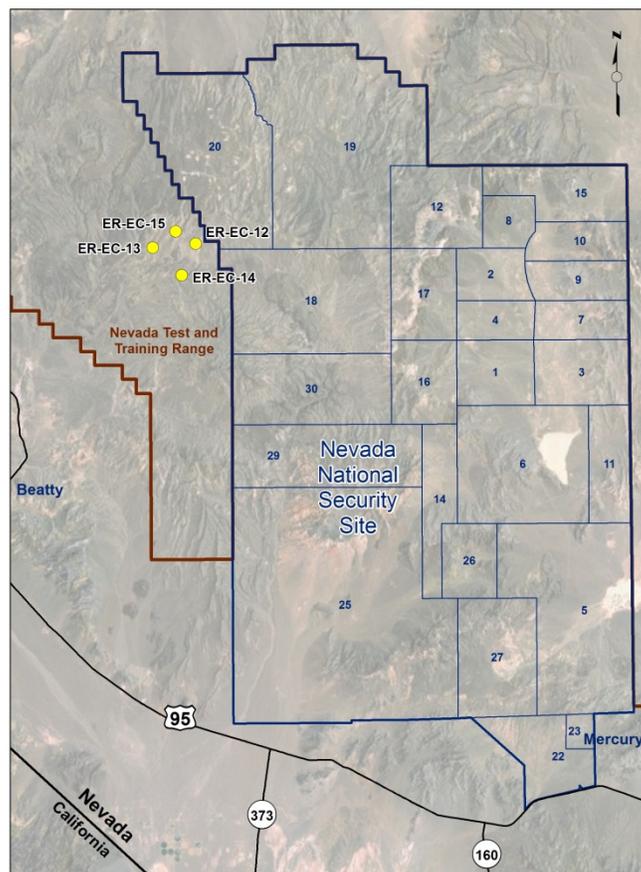
The State of Nevada Division of Environmental Protection (NDEP) and the Nevada Field Office continue to prepare for the external peer review of the flow and transport model document. In January 2014, activities were underway for the panel selection and preparation of the presentation to the panel that 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 January 2014. The Preemptive Review Committee provides internal technical review on ongoing work throughout the CAU lifecycle, but is not directly responsible for the CAU documents that it reviews.

CAU 99, Rainier Mesa/Shoshone Mountain

Documentation of the conceptual model continued in January 2014; completion is expected in March 2014 with implementation of the comments from the



Preemptive Review Committee. The Preemptive Review Committee provides internal technical review on ongoing work throughout the CAU lifecycle, but is not directly responsible for the CAU documents that it reviews. The hydrostratigraphic framework model update was in internal review during January 2014.

CAUs 101/102, Pahute Mesa

Work continues on several Phase II geology, hydrology, transport analysis, and evaluation tasks in January 2014. Well development and testing at well ER-EC-15 continued in January 2014 and will continue in February 2014. Preparation of the well development and testing data analysis reports for wells ER-EC-12 and ER-EC-13 continued 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. Well development and testing of well ER-EC-14 is expected to begin in February 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. In January 2014, repairs and maintenance identified during the annual inspections were conducted.

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 January 2014, irrigation of the reseeded test plots at CAU 111 was performed, the annual survey of subsidence markers at CAU 111 was completed, and other repairs and maintenance identified during the December 2013 inspections were completed. In February 2014, subsidence on the CAU 111 south cover will be repaired, and irrigation of the CAU 111 reseeded test plots will continue.

CAU 575, Area 15 Miscellaneous Sites

CAU 575 comprises two CASs related to historical nuclear testing. In January 2014, preparation of the Data Quality Objectives (DQOs) and the sampling strategies began. 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 CAU 575.

Soils

CAU 105, Area 2 Yucca Flat Atmospheric Test Sites

CAU 105 comprises five CASs related to historical nuclear testing. In January 2014, Revision 1 of the Corrective Action Decision Document/Closure Report (CADD/CR) document was submitted to NDEP and subsequently approved. With the approval of the CADD/CR, this CAU is now considered closed.

CAU 366, Area 11 Plutonium Valley Dispersion Sites

CAU 366 comprises six CASs related to historical nuclear testing. In January 2014, NDEP approved the final CR for CAU 366. With the approval of the CR, this CAU is now considered closed.

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 January 2014, preparation of the DQOs and the Streamlined Approach for Environmental Restoration (SAFER) Plans for CAUs 411 and 412 continued and will continue in February 2014. 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 541, Small Boy

CAU 541 comprises two CASs related to historical nuclear testing. In January 2014, preparation of the DQOs and the sampling strategies began. The DQOs will be included in the Corrective Action Investigation Plan (CAIP) for CAU 541, which is an enforceable milestone under the FFACO and due to NDEP in July 2014.

CAU 550, Smoky Contamination Area

CAU 550 comprises 19 CASs related to historical nuclear testing. In January 2014, development of the CADD continued and will continue in January 2014. The preparation of the CADD is being delayed pending resolution between the Department of Energy and NDEP on the Corrective Action Alternative evaluation methods. The CADD is due to NDEP in March 2014. In February 2014, waste management activities will be conducted.

CAU 567, Miscellaneous Soil Sites

CAU 567 comprises four CASs related to historical nuclear testing. Field investigation of these sites consists of radiological surveys, soil sampling, and thermoluminescent dosimeter measurements. In January 2014, field activities began, including a site walk down and radiological surveys. In February 2014, field activities, including radiological surveys and sampling, will continue.

CAU 568, Area 3 Plutonium Dispersion Sites

CAU 568 comprises six CASs related to historical nuclear testing. In January 2014, the CAIP was submitted to NDEP. A response is expected in February 2014.

CAU 571, Area 9 Yucca Flat Plutonium Dispersion Sites

CAU 571 comprises five CASs related to historical nuclear testing. In January 2014, preparation of the CADD continued. In February 2014, final analytical results are expected and step-out samples and lead soil removal will be conducted.

CAU 573, Alpha Contaminated Sites

CAU 573 comprises two CASs related to historical nuclear testing. In January 2014, preparation of the DQOs and the sampling strategies began. The DQOs will be included in the CAIP for CAU 573, which is an enforceable milestone under the FFACO and due to NDEP in June 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 (Tonopah)

- Environmental Management kiosks – Green Valley Library, Henderson; Las Vegas Library, Las Vegas
- Events/Outreach:
 - Participated in *Connecting Hands: Offering Lifelong Learning Adventures (CHOLLA)* educational group meeting
 - Senator Reid’s Energy and Public Lands Manager and Military Liaison participated in a tour of the NNSS, January 21, 2014
 - CEUSP public meeting NNSS tour, January 23, 2014
- Publications:
 - Published one (1) article (*Beatty Residents and NFO Talk Groundwater*) in the January 2014 edition of [OneVoice](#)
- NSSAB:
 - NSSAB members, liaisons, and guests participated in a tour of the NNSS – January 22, 2014
 - Membership Committee meeting – January 27, 2014