

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

**Waste Disposal and Transportation**

- As of June 30, 2014, the Nevada National Security Site (NNSS) has disposed 729,700 cubic feet of low-level waste (LLW), 46,802 cubic feet of mixed LLW (MLLW), 2,700 cubic feet of non-rad classified waste, and 2,532 cubic feet of non-rad classified hazardous waste during FY 2014. These numbers are preliminary until internal quality checks are completed.
- Update from last two months - Los Alamos National Laboratory (LANL), Los Alamos, New Mexico: The audit resulted in one finding that required a Corrective Action Request (CAR) and four Observations. The audit report was issued by Radioactive Waste Acceptance Program (RWAP), and the generator provided a Corrective Action Plan (CAP) in response to the CAR. The CAP and Observation reply packages were accepted by the RWAP. The generator's completion of its CAP activities is currently scheduled for July 2014. LANL cannot ship LLW to the NNSS until RWAP verifies completion of these CAP activities. **Note:** LANL verified that it did not send any waste to the NNSS containing organic absorbents which is the material currently being investigated in the Waste Isolation Pilot Plant incident near Carlsbad, New Mexico.
- In June 2014, RWAP conducted the following Facility Evaluations:
  - Brookhaven National Laboratory in Upton, New York: The Facility Evaluation resulted in one Observation that the generator corrected while RWAP was on-site.
  - Nuclear Fuel Service in Erwin, Tennessee: The Facility Evaluation resulted in one Observation that the generator corrected while RWAP was on-site.
  - Oak Ridge Reservation in Oak Ridge, Tennessee: The Facility Evaluation resulted in three Observations and the generator will have 30 days to respond after receiving the final RWAP report. An NSSAB Member observed the Facility Evaluation.
- RWAP plans to conduct two Facility Evaluations in July 2014. An NSSAB Member will observe one of these Facility Evaluations.
- During July 2014, approximately 178,000 cubic feet of LLW and MLLW is forecasted for disposal at the NNSS.

## Underground Test Area (UGTA)

### ***Corrective Action Unit (CAU) 97, Yucca Flat***

In June 2014, mobilization, set up of equipment, and sampling was completed at Wells ER 6-2 and ER-7-1.

### ***CAU 98, Frenchman Flat***

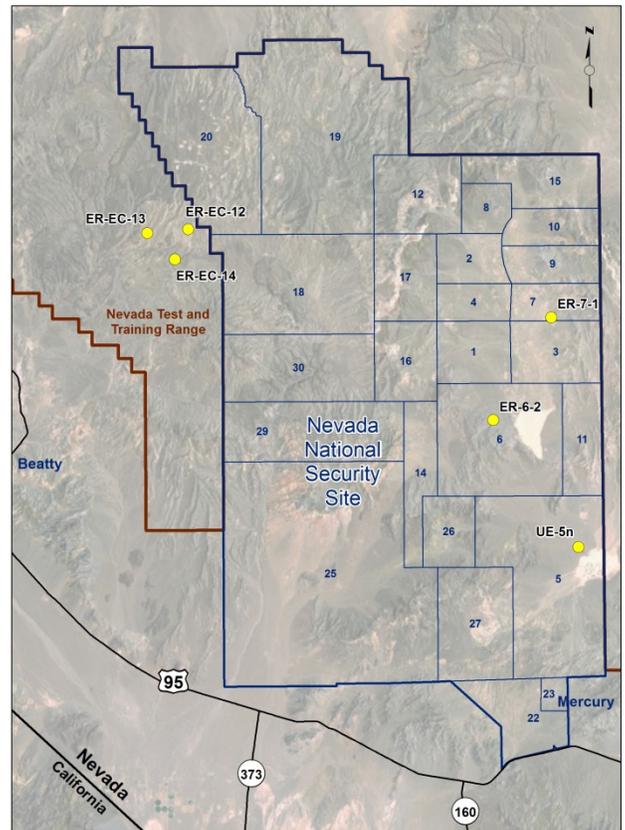
During June 2014, a sampling pump was installed and Well UE-5n was purged and sampled.

### ***CAU 99, Rainier Mesa/Shoshone Mountain***

Documentation of the conceptual model continued in June 2014 with implementation of the comments from the Preemptive Review Committee. The document was provided to the Preemptive Review Committee in April 2014 for its review. Review will continue in July 2014.

### ***CAUs 101/102, Pahute Mesa***

Work continued on several Phase II geology, hydrology, transport analysis, and evaluation tasks in June 2014. Preparation of the well development and testing data analysis reports for Wells ER-EC-12 and ER-EC-13 continued in June 2014. Also in June 2014, a dedicated sampling pump was installed and demobilization completed at Well ER-EC-14.



## 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. Repairs and maintenance identified during the annual inspections were conducted in June 2014 and will continue in July 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 June 2014, the quarterly and semi-annual post-closure inspections were conducted, and irrigation of the reseeded test plots at CAU 111 was completed. In July 2014, repairs and maintenance identified during the inspections will be conducted.

### ***CAU 575, Area 15 Miscellaneous Sites***

CAU 575 comprises two CASs related to historical nuclear testing. In June 2014, preparation of the Data Quality Objectives (DQOs) and the sampling strategies continued and will continue in July 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 CAU 575.

## **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 June 2014, preparation of the DQOs and the Streamlined Approach for Environmental Restoration (SAFER) Plans for CAUs 411 and 412 continued and will continue in July 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* and due to the State of Nevada Division of Environmental Protection (NDEP) in August 2014.

### ***CAU 413, Clean Slate II Plutonium Dispersion***

CAU 413 comprises one CAS on the Nevada Test and Training Range. Preliminary investigation and waste management activities are scheduled for July 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 are being developed and will continue in July 2014.

### ***CAU 541, Small Boy***

CAU 541 comprises two CASs related to historical nuclear testing. In June 2014, preparation of the Corrective Action Investigation Plan (CAIP) continued and will continue in July 2014.

### ***CAU 550, Smoky Contamination Area***

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

### ***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 June 2014, field activities, including radiological surveys and sampling and the removal of depleted uranium and sanitary debris, continued. Some field activities will continue in July 2014.

### ***CAU 568, Area 3 Plutonium Dispersion Sites***

CAU 568 comprises six CASs related to historical nuclear testing. In June 2014, pre-field planning continued and radiological activities and sampling were performed. These activities will continue in July 2014.

### ***CAU 571, Area 9 Yucca Flat Plutonium Dispersion Sites***

CAU 571 comprises five CASs related to historical nuclear testing. In June 2014, preparation of the CADD/CR continued and will continue in July 2014.

### ***CAU 573, Alpha Contaminated Sites***

CAU 573 comprises two CASs related to historical nuclear testing. In June 2014, the CAIP for CAU 573 was approved by NDEP; pre-field activities began in June 2014 and will continue in July 2014.

### ***CAU 575, Area 15 Miscellaneous Sites***

CAU 575 comprises four CASs on the Nevada Test and Training Range related to historical nuclear testing. The pre-field activities will begin in July 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
- Events/Outreach:
  - Provided 50 *Operation Clean Desert* activity books to Indian Springs Library
  - Provided 279 *Operation Clean Desert* activity books to the Public Reading Room at the National Atomic Testing Museum in Las Vegas
- Publications:
  - Published one (1) article (*Cultural Artifacts Cross Eras at the NNSS*) in the June 2014 edition of [OneVoice](#)
  - Ongoing social media campaign ([Facebook](#), [Twitter](#))
- NSSAB
  - NSSAB Vice-Chair observed Oak Ridge Facility Evaluation in support of a work plan item (June 16-19<sup>th</sup>)