

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

**Waste Disposal and Transportation**

- Update from last month – Los Alamos National Laboratory (LANL), Las Alamos, New Mexico: The audit resulted in one finding that requires a Corrective Action Request (CAR) and four Observations. The CAR was issued for insufficient documentation regarding radioactive waste concentrations in audited waste profiles. The audit report is still being prepared and LANL has 30 days to respond to the CAR and Observations once it is issued.
- In May 2014, the Radioactive Waste Acceptance Program (RWAP) conducted a Facility Evaluation at Idaho National Laboratory, Idaho Falls, Idaho: No issues were identified.
- The impromptu Facility Evaluation scheduled for May 2014 was rescheduled for June 2014.
- During the evening of May 28, 2014, a low-level waste (LLW) shipment en route to the Nevada National Security Site (NNSS) from Ohio incurred damage to the windshield of the truck when it was struck by a rock on Blue Diamond Road (State Route 160), west of the intersection with Fort Apache Road. The driver pulled over to the side of the road and called his dispatch and the Nevada Highway Patrol. The driver indicated that no one else was on the road, and he did not see anyone who could have thrown the rock. The exact cause of the rock striking the windshield was not determined. Because the windshield was damaged, a second tractor was called to transport the trailer to the NNSS.
- RWAP plans to conduct three impromptu Facility Evaluations in June 2014.
- During June 2014, approximately 127,000 cubic feet of LLW and mixed LLW is forecasted for disposal at the NNSS.

**Underground Test Area (UGTA)**

***Corrective Action Unit (CAU) 98, Frenchman Flat***

Preemptive Review Committee comment resolution continued in May 2014. The Preemptive Review Committee provides internal technical review on ongoing work throughout the CAU lifecycle. In May 2014, mobilization, set up of equipment, and sampling was completed at RNM Well #2S.

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

Documentation of the conceptual model continued in May 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 June 2014.

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

Work continued on several Phase II geology, hydrology, transport analysis, and evaluation tasks in May 2014. Preparation of the well development and testing data analysis reports for Wells ER-EC-12 and ER-EC-13 continued in May 2014. Well development and testing of Well ER-EC-14 continued in May 2014 and will continue through June 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. Repairs and maintenance identified during the annual inspections were conducted in May 2014 and will continue in June 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 May 2014, repairs and maintenance identified during the inspections were conducted. In June 2014, the quarterly and semi-annual post-closure inspections will be conducted. Irrigation of the reseeded test plots at CAU 111 continued and will continue in June 2014, as needed.

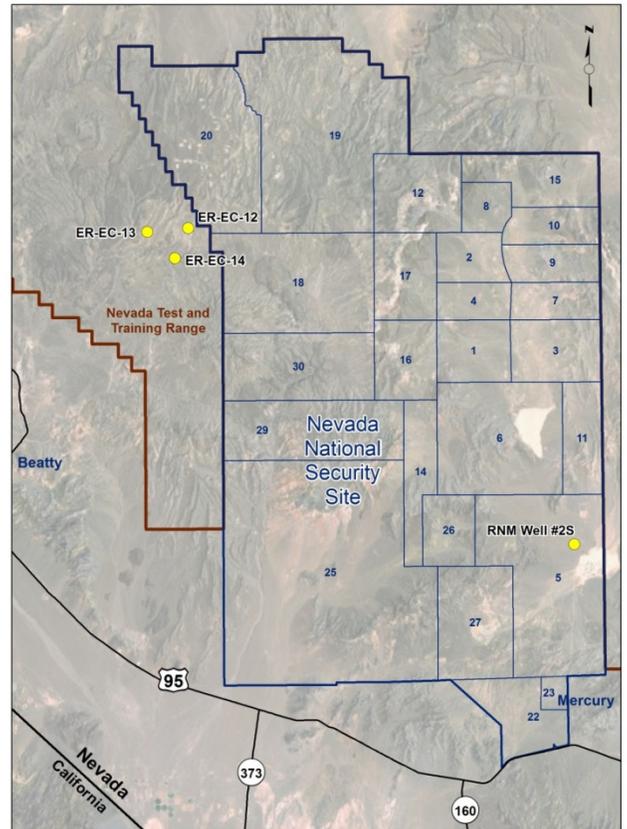
### ***CAU 575, Area 15 Miscellaneous Sites***

CAU 575 comprises two CASs related to historical nuclear testing. In May 2014, preparation of the Data Quality Objectives (DQOs) and the sampling strategies continued and will continue in June 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 May 2014, preparation of the DQOs and the Streamlined Approach for Environmental Restoration (SAFER) Plans for CAUs 411 and 412 continued and will continue in June 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 the State of Nevada Division of Environmental Protection (NDEP) in August 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.

***CAU 541, Small Boy***

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

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

CAU 550 comprises 19 CASs related to historical nuclear testing. In May 2014, preparation of the Corrective Action Decision Document/Closure Report (CADD/CR) continued and will continue in June 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 May 2014, field activities, including radiological surveys and sampling and the removal of depleted uranium and sanitary debris, continued. Some field activities will continue in June 2014.

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

CAU 568 comprises six CASs related to historical nuclear testing. In May 2014, pre-field planning continued and will continue in June 2014.

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

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

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

CAU 573 comprises two CASs related to historical nuclear testing. In May 2014, the CAIP for CAU 573 was submitted to NDEP; a response is expected 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)
- Events/Outreach:
  - Groundwater demonstration at student outreach events: *East Career and Technical Academy* (May 2<sup>nd</sup>), *Somerset Academy* (May 16<sup>th</sup>), *Beckley Elementary School* (May 22<sup>nd</sup>), *Vanderburg Elementary School* (May 23<sup>rd</sup>)
  - Radiation briefing given at *Cadwallader Middle School* (May 7<sup>th</sup>)
  - General NNSS briefing given at *Gibson Elementary School Career Day* (May 16<sup>th</sup>)
  - *Collective Hands: Offering Lifelong Learning Adventures* (CHOLLA) education group meeting (May 20<sup>th</sup>)
  - Provided 800 *Operation Clean Desert* activity books to students at outreach events (*Somerset Academy, Beckley Elementary School, Vanderburg Elementary School, Cadwallader Middle School, Gibson Elementary School*)

- Provided 200 fact sheets to the Public Reading Room at the National Atomic Testing Museum
- Publications:
  - Published one (1) EM News Flash article (*NNSS Goes Back to School During Science Festival Week*) and one (1) article (*NNSS Groundwater Program Welcomes Peer Review Team*) in the May 2014 edition of [OneVoice](#)
  - Ongoing social media campaign ([Facebook](#), [Twitter](#))
- NSSAB:
  - NSSAB Full Board Meeting (May 21<sup>st</sup>)
  - Conducted an intergovernmental meeting with NSSAB Liaisons (May 21<sup>st</sup>)
  - Hosted an educational session, *History of the Nevada Federal Facility Agreement and Consent Order*, by Robert Boehlecke, DOE, and Chris Andres, NDEP (May 21<sup>st</sup>)
  - NSSAB Membership Recruitment Drive – NSSAB provided a recommendation on a slate of candidates for membership (May 21<sup>st</sup>)
  - FY 2014 membership package submitted to EM Headquarters