

# **Environmental Management Monthly Report to the NSSAB September 2014**

## **Waste Disposal and Transportation**

- Update from previous month's reports - Los Alamos National Laboratory (LANL), Los Alamos, New Mexico: The Corrective Action Plan (CAP) remains open (please see May – August 2014 NSSAB Monthly Reports for more information). The Radioactive Waste Acceptance Program (RWAP) conducted its verification review of the LANL CAP the last week of August 2014, and the results will be reported in the NSSAB Monthly Report for October 2014. LANL cannot ship low-level waste (LLW) to the Nevada National Security Site (NNSS) until RWAP verifies completion of CAP activities.
- Update from previous month's reports - Oak Ridge Reservation (ORR) in Oak Ridge, Tennessee: The Facility Evaluation resulted in three Observations (please see July – August 2014 NSSAB Monthly Reports for more information). In August 2014, ORR responded to the Observations. RWAP closed one and commented on the remaining two Observations. ORR is reviewing and will respond to RWAP comments.
- In August 2014, RWAP conducted the following Facility Evaluations:
  - LANL in Los Alamos, New Mexico: reported above
  - Babcock and Wilcox Conversion Service (BWCS) in Portsmouth, Ohio: BWCS, a potential new generator, postponed its Facility Evaluation until next fiscal year. Potential new generators cannot ship to the NNSS until NNSS Waste Acceptance Criteria certified.
- During September 2014, approximately 178,000 cubic feet of LLW and mixed LLW is forecasted for disposal at the NNSS.
- RWAP plans to conduct two Facility Evaluations in September 2014.

## **Underground Test Area (UGTA)**

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

In August 2014, comments were being prepared to the draft External Peer Review panel report submitted to the Nevada Field Office in July 2014.

**CAU 98, Frenchman Flat**

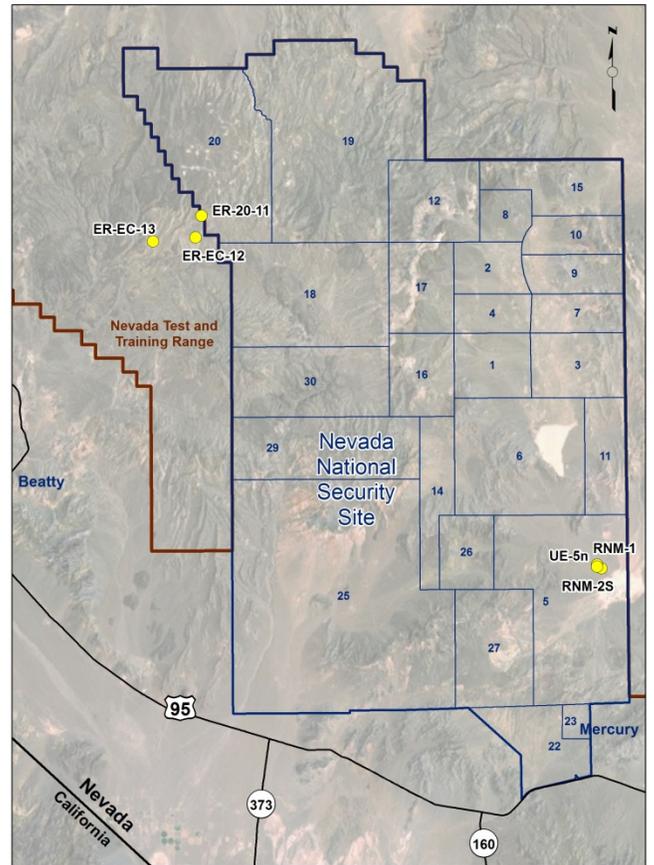
During August 2014, sampling data packages were completed for wells UE-5n, RNM-1, and RNM-2S. State of Nevada Division of Environmental Protection (NDEP) comments were received on the Model Evaluation Report Revision 0.

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

In August 2014, U.S. Geological Survey was addressing Preemptive Review Committee comments to the conceptual model report.

**CAUs 101/102, Pahute Mesa**

In August 2014, work continued on several Phase II geology, hydrology, transport analysis, and evaluation tasks. A presentation of the multi-well aquifer testing data was provided to the Department of Energy and NDEP; preparation continued on the well development and testing data analysis reports for wells ER-EC-12, ER-EC-13, and ER-20-11; and field sampling was initiated to support the Sampling Technologies Methods plan.



**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 quarterly inspections at CAU 547 were conducted in August 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 August 2014, repairs and maintenance identified during the inspections were conducted and will continue in September 2014.

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

CAU 575 comprises two CASs related to historical nuclear testing. In August 2014, preparation of the Streamlined Approach for Environmental Restoration (SAFER) Plan began and will continue in September 2014.

## **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 August 2014, preparation of the SAFER Plans for CAUs 411 and 412 continued and will continue in September 2014. The SAFER Plans for CAUs 411 and 412 are enforceable milestones under the *Federal Facility Agreement and Consent Order* and are currently due to NDEP in March 2015.

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

CAU 413 comprises one CAS on the Nevada Test and Training Range. Waste management activities were conducted in August 2014 and will continue in September 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 will continue in September 2014.

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

CAU 541 comprises two CASs related to historical nuclear testing. In August 2014, preparation of the Corrective Action Investigation Plan continued and will continue in September 2014.

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

CAU 550 comprises 19 CASs related to historical nuclear testing. In August 2014, preparation of the Corrective Action Decision Document/Closure Report (CADD/CR) continued and will continue in September 2014. The CADD/CR is due to NDEP in September 2014, but a deadline extension request is being prepared for NDEP.

### ***CAU 567, Miscellaneous Soil Sites***

CAU 567 comprises four CASs related to historical nuclear testing. In August 2014, work on the CADD for CAU 567 continued and will continue in September 2014.

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

CAU 568 comprises six CASs related to historical nuclear testing. In August 2014, radiological activities and sampling were performed. These activities will continue in September 2014.

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

CAU 571 comprises five CASs related to historical nuclear testing. In August 2014, the CADD/CR was approved by NDEP.

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

CAU 573 comprises two CASs related to historical nuclear testing. In August 2014, pre-field activities began and will continue in September 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
  - Environmental Management kiosk – Centennial Hills Library
- Events/Outreach:
  - Hosted a booth at the *Educator Appreciation Day* at the Mirage - August 14<sup>th</sup>
    - Provided 135 *Operation Clean Desert* activity books, four (4) *Operation Clean Desert* Teachers Guides, and 50 denim rulers
- Publications:
  - Published one (1) article (*Red Cross Honors N-I for its Volunteer Service*) in the August 2014 edition of [OneVoice](#) and one (1) EM News Flash (*NNSS Waste Program and Emergency Responders Team Up*)
  - Ongoing social media campaign (Facebook and Twitter)
- NSSAB
  - Quarterly meeting with EM Senior Management and NSSAB Chair and Vice-Chair – August 27<sup>th</sup>