

**Environmental Management  
Monthly Report to the NSSAB  
February 2015**

**Waste Disposal and Transportation**

- As of December 31, 2014, the Nevada National Security Site (NNSS) has disposed 177,713 cubic feet of low-level waste (LLW), 22,717 cubic feet of mixed LLW (MLLW), 2,693 cubic feet of non-radioactive classified waste, and 27 cubic feet of non-radioactive classified hazardous waste during fiscal year 2015. These numbers are preliminary until internal quality checks are completed.
- The Facility Evaluation of the General Atomics generator, San Diego, California, planned for December 2014 was postponed due to unavailability of the generator's Waste Certification Officials and was rescheduled for June 2015.
- Update from previous month's reports - In September 2014, the Radioactive Waste Acceptance Program (RWAP) conducted a Facility Evaluation of the NNSS Waste Acceptance Criteria (WAC) for Babcock and Wilcox Conversion Services (BWCS), Paducah, Kentucky (please see October 2014 – January 2015 NSSAB Monthly Reports for more information). It was reported that all Observations were closed in the December 2014 NSSAB Monthly Report which was in error. All Observations will need to be closed by RWAP before BWCS Paducah is approved to ship LLW to the NNSS.
- In January 2015, RWAP conducted a Facility Evaluation of the NNSS WAC for BWCS, Portsmouth, Ohio. RWAP discovered one Observation and one Corrective Action Request (CAR) which will need to be closed by RWAP before BWCS Portsmouth is approved to ship LLW to the NNSS.
- In January 2015, RWAP conducted three MLLW verifications at Duratek/EnergySolutions and PermaFix generators in Oak Ridge, Tennessee. No issues were identified.
- In January 2015, RWAP conducted an impromptu surveillance of the PermaFix generator, Gainesville, Florida. One CAR and one Observation were discovered. The Observation was corrected while RWAP was on-site and no further action is required. The final report for this surveillance is currently being processed, and the generator will have 30 days after receiving the final report to respond to the CAR. Because the CAR was not systemic, the generator is allowed to continue shipping LLW to the NNSS.
- The RWAP will conduct two impromptu Facility Evaluations in February 2015.
- In February 2015, approximately 124,000 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 January 2015, the final External Peer Review panel report was submitted to the Nevada Field Office (NFO).

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

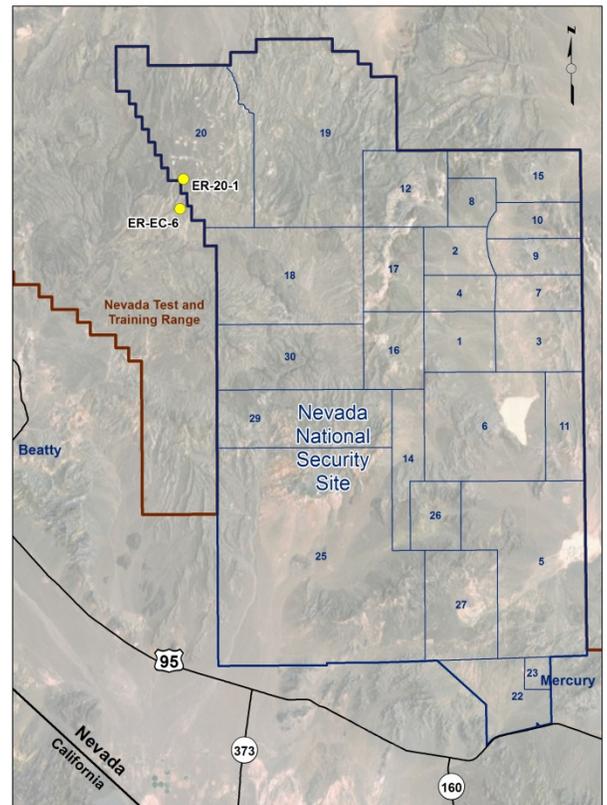
During January 2015, the State of Nevada Division of Environmental Protection (NDEP) provided comments on the proposed outline for the Closure Report and a presentation was provided to the NFO and NDEP on the revised contaminant boundaries, use restriction boundaries, and the regulatory boundary.

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

In January 2015, U.S. Geological Survey finalized the conceptual model report and the modeling team began evaluating the current models with the revised conceptual model.

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

In January 2015, completed pumping and sampling of well ER-EC-6 and began pumping and sampling activities at the ER-20-1 well site.



## Industrial Sites

### ***Non-Resource Conservation and Recovery Act (RCRA) Post-Closure Monitoring Sites***

The Non-RCRA Post-Closure Monitoring Sites include 135 Corrective Action Sites (CASs) where post-closure inspections and maintenance are performed in accordance with closure requirements. Annual inspections were completed in December 2014; required repairs and maintenance were performed in January 2015.

### ***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 2014, the quarterly and semi-annual inspections were performed. Required repairs and maintenance were performed in January 2015, as well as the annual subsidence survey at CAU 111 and irrigation of the reseeded cover at CAU 111. In February 2015, subsidence repairs and installation of rabbit fencing will be performed at CAU 111.

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

CAU 575 comprises two CASs related to historical nuclear testing. In January 2015, field activities were conducted.

## **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 January 2015, preparation of the Streamlined Approach for Environmental Restoration (SAFER) Plans for CAUs 411 and 412 continued and will continue in February 2015. 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 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 February 2015.

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

CAU 541 comprises two CASs related to historical nuclear testing. Site investigation activities continued in January 2015.

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

CAU 550 comprises 19 CASs related to historical nuclear testing. In January 2015, preparation of the Corrective Action Decision Document/Closure Report (CADD/CR) continued. The CADD/CR is due to NDEP in February 2015.

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

CAU 567 comprises four CASs related to historical nuclear testing. In January 2015, the NDEP approved the CADD/CR for CAU 567. With the approval from NDEP, this CAU is now considered to be closed.

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

CAU 568 comprises six CASs related to historical nuclear testing. In January 2015, radiological activities and sampling continued.

### ***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 and the CAU is considered to be closed. In February 2015, use restriction signs will be installed at CAU 571.

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

CAU 573 comprises two CASs related to historical nuclear testing. In January 2015, radiological surveys were conducted.

## **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 kiosks – Enterprise Library (Las Vegas Blvd. South near Blue Diamond Road), Indian Springs Library
- Publications:
  - Ongoing social media campaign (Facebook and Twitter)
  - Distributed flyer promoting 2015 Groundwater Open House to more than 3,000 subscribers of NNSS News
- Outreach:
  - Groundwater presentation at Beckley Elementary School Science Fair – January 15, 2015
  - Radiation presentation at Somerset Sky Pointe Campus – January 30, 2015
  - Distributed 500 Operation Clean Desert activity books to the Public Reading Room adjacent to the Atomic Testing Museum
- NSSAB:
  - Quarterly meeting with EM Senior Management, NDEP, and NSSAB Chair and Vice-Chair – January 20, 2015
  - NSSAB Full Board Meeting – January 21, 2015
  - Nevada Field Office conducted an intergovernmental meeting with NSSAB Liaisons – January 21, 2015
  - Hosted an educational session, “*Roles and Responsibilities of NDEP at the NNSS*” – January 21, 2015