

**Environmental Management (EM)  
Nevada Program Activities  
Monthly Report to the  
Nevada Site Specific Advisory Board (NSSAB)  
November 2018**

**Waste Disposal and Transportation**

- The Waste Volume Report for fourth quarter (July – September 2018) for fiscal year 2018 is available at <http://nsss.gov/pages/programs/RWM/Reports.html>
- The Transportation Report for third quarter (April – June 2018) and fourth quarter (July – September 2018) for fiscal year 2018 is available at <http://nsss.gov/pages/programs/RWM/Reports.html>
- Update from previous months' reports - In October 2017, the State of Nevada Division of Environmental Protection (NDEP) issued a Finding of Alleged Violation (FOAV) to the Department of Energy (DOE)/National Nuclear Security Administration (NNSA) as a result of the NNSA accepting 93 containers of waste from a generator and disposing as low-level waste (LLW) when the containers should have been disposed as mixed LLW (MLLW). In May 2018, NDEP issued a Final Findings and Draft Settlement Agreement to the DOE/NNSA. The EM Nevada Program, NDEP, and the NNSA/Nevada Field Office have discussed the scope and cost of a proposed Supplemental Environmental Project (SEP) that would be undertaken in lieu of paying a penalty associated with the violation. A document entitled *Proposed Supplemental Environmental Project* was formally transmitted to NDEP in October 2018 for approval and incorporation into a formal Administrative Settlement Agreement. All corrective action plan (CAP) actions are proceeding on schedule for completion by December 31, 2018, as required. (please see November 2017 – October 2018 NSSAB Monthly Reports for more information)
- Update from previous months' reports – Paducah, KY/Portsmouth, OH generator (same generator): In May 2018, a tabletop facility evaluation resulted in one Finding. In June 2018, the generator submitted its CAP that was accepted by the Radioactive Waste Acceptance Program (RWAP). The generator is developing its objective evidence for on-site DOE approval before planned submittal to RWAP in November 2018. (please see June 2018 – October 2018 NSSAB Monthly Reports for more information)
- Update from previous months' reports – Idaho Falls, ID generator: In July 2018, the facility evaluation resulted in one Finding. RWAP reviewed the CAP and closed the Finding in October 2018. (please see August 2018 – October 2018 NSSAB Monthly Reports for more information)
- In October 2018, RWAP conducted one facility evaluation:
  - West Valley, NY generator: The facility evaluation resulted in no Findings.
- In November 2018, RWAP will conduct one facility evaluation.

- In November 2018, approximately 152,492 cubic feet of LLW, MLLW, and classified waste is forecasted for disposal at the NNSS.

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

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

The Model Evaluation Report was developed in October 2018 and will continue in November 2018. Well sampling was conducted in October 2018.

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

In September 2018, responses to the comments on the Rainier Mesa External Peer Review (RM EPR) report were transmitted to NDEP. Development of an addendum to the Flow and Transport model report that formally addresses comments from the RM EPR continued in October 2018 and will continue in November 2018.

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

Development of the Corrective Action Investigation Plan continued in October 2018 and will continue in November 2018. Groundwater sampling for fiscal year 2019 began in October 2018 and will continue through the calendar year.

## **Post-Closure Monitoring**

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

The Non-RCRA Post-Closure Monitoring Sites include Corrective Action Sites (CASs) where post-closure inspections and maintenance are performed in accordance with closure requirements. Annual inspections began in September 2018 and will continue through the end of the calendar year.

### ***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. Maintenance identified at the quarterly inspections was conducted in October 2018. Also in October 2018, irrigation of the CAU 111 revegetation test plots continued, as well as monthly inspections of the plots that will continue in November 2018.

## **Soils**

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

CAU 413 comprises one CAS on the Nevada Test and Training Range. The final Closure Report (CR) was delivered to NDEP in October 2018.

### ***CAU 414, Clean Slate III Plutonium Dispersion***

CAU 414 comprises one CAS on the Nevada Test and Training Range. The Corrective Action Decision Document/Corrective Action Plan (CADD/CAP) was approved by NDEP in January 2018. Field work began in August 2018 that consists of removal and disposal of contaminated soil and debris above action levels. At the end of October 2018, 201 bags of contaminated soil have

been filled. The shipping campaign to the NNSS began in October 2018, and 60 shipments of 120 bags have been shipped and disposed at the Area 3 Radioactive Waste Management Site.

### ***CAU 576, Miscellaneous Radiological Sites and Debris***

CAU 576 comprises six CASs related to historical nuclear testing. Development of the draft CADD/CR is complete and will be delivered to NDEP in November 2018.

## **Industrial Sites:**

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

CAU 575 comprises four CASs related to historical nuclear testing. The draft CR was submitted to NDEP in September 2018. Comments have been received from NDEP and are currently being addressed.

## **External Affairs:**

- NSSAB
  - EM Nevada Program conducted an orientation for incoming and current NSSAB members and liaisons – October 10, 2018
  - EM Nevada Program conducted a work plan tour of the NNSS for incoming and current NSSAB members and liaisons – October 24, 2018
- Publications:
  - Ongoing social media campaign – 16 posts on Facebook, 14 original tweets on Twitter, and 25 photo uploads on Flickr
  - Published *Nevada Site Specific Advisory Board Conducts Community Analysis Survey* and the updated *Groundwater Qs and As* via EM News Flash (more than 10,000 subscribers), [nsss.gov](http://nsss.gov), and social media
- Ongoing exhibits:
  - *Operation Clean Desert* – Nevada Public Reading Room in Las Vegas, Amargosa Valley Library, Goldfield Library, Central Nevada Museum in Tonopah, NV, and Pahrump Valley Museum in Pahrump, NV
  - EM kiosk – located at National Atomic Testing Museum Public Reading Room
- Events/Stakeholders Meetings:
  - Hosted Community Conversations in Amargosa Valley and Beatty – October 16, 2018
- NNSS Tours:
  - Hosted public tour of the NNSS that included Area 5 RWMC – October 23, 2018
  - Hosted tour of the NNSS that included Area 5 RWMC for Sun City Mesquite Math and Science Club – October 25, 2018
- Planned activities for November 2018:
  - NSSAB to host a Full Board Meeting in Las Vegas, NV – November 7, 2018
  - Publish NSSAB new members and FY 2019 work plan article
  - Host Low-level Waste Stakeholders Forum in Las Vegas, NV (NSSAB Chair and Vice-Chair to attend) – November 7, 2018
  - Present Clean Slate III update to Nye County Local Emergency Planning Committee in Pahrump, NV – November 14, 2018
  - Participate in Intergovernmental Meeting in New Orleans, LA – November 14-16, 2018

- Participate in Gibson Elementary School Career Day – November 16, 2018
- Present at Perma-fix Nuclear Waste Management Forum in Nashville, TN – November 26-28, 2018
- Continue delivering Operation Clean Desert books to schools/teachers in Las Vegas, NV (requests from New Teacher Onboarding outreach event)