

**Environmental Management (EM)
Nevada Program Activities
Monthly Report to the
Nevada Site Specific Advisory Board (NSSAB)
February 2019**

Waste Disposal and Transportation

- The Waste Volume Report for first quarter (October – December 2018) for fiscal year 2019 is available at <http://nss.gov/pages/programs/RWM/Reports.html>
- The Transportation Report for first quarter (October – December 2018) for fiscal year 2019 is available at <http://nss.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 Nevada National Security Site (NNSS) 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. In December 2018, NDEP transmitted a redrafted Settlement Agreement that incorporated the proposed SEP. The EM Nevada Program and NNSA/Nevada Field Office are continuing to work with NDEP to finalize the Settlement Agreement language. A final report to NDEP documenting the completion of the Corrective Action Plan (CAP) items was transmitted to NDEP in January 2019. (please see November 2017 – January 2019 NSSAB Monthly Reports for more information)
- Update from previous months' reports - In November 2018, in accordance with the overweight permit issued by the State of Nevada, a waste shipment from an Oak Ridge, TN generator traveled across the Mike O'Callaghan-Pat Tillman Memorial Bridge destined for the NNSS. After traveling across the bridge, the remainder of the transport was made on an NNSS-approved route. Upon arrival at the NNSS, the driver self-identified that he traversed the bridge. As this is a violation of the NNSS Waste Acceptance Criteria (WAC), a Finding was issued and the generator submitted a CAP in December 2018 that was accepted by the Radioactive Waste Acceptance Program (RWAP) in January 2019. The EM Nevada Program updated the generators driver's route/shipment form by clarifying requirements and distributed it to generators in January 2019. The EM Nevada Program also updated the permit maps and instructions for the Nevada Department of Transportation, which are currently under review by the State of Nevada, in order for all parties involved to have accurate information regarding routing of waste shipments to the NNSS. (please see December 2018 – January 2019 NSSAB Monthly Reports for more information)

- Update from previous months' reports – Oak Ridge, TN generator: In November 2018, a facility evaluation resulted in one Finding. In January 2019, the generator submitted its CAP that is under review by RWAP. (please see December 2018 – January 2019 NSSAB Monthly Reports for more information.)
- In January 2019, RWAP conducted two facility evaluations:
 - Amarillo, TX generator: The facility evaluation resulted in no Findings.
 - Aiken, SC generator: The facility evaluation resulted in no Findings.
- In February 2019, RWAP will conduct one facility evaluation.
- In February 2019, approximately 135,002 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 development continued in January 2019 and will continue in February 2019.

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 concluded in December 2018. Work on data packages to document the modeling conducted in support of the addendum continued in January 2019 and will continue in February 2019.

CAUs 101/102, Pahute Mesa

A presentation to the modeling sub-committee was conducted in January 2019. Groundwater sampling for fiscal year 2019 began in October 2018 and will continue through the fiscal 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. Maintenance identified by the annual inspections in September 2018 was performed in January 2019 and will continue in February 2019.

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 January 2019, irrigation of the CAU 111 revegetation test plots continued, as well as monthly inspections of the plots. Both activities will continue in February 2019. In addition, repairs identified during the December 2018 quarterly inspections of post-closure RCRA sites were performed in January 2019 and will continue in February 2019.

CAU 98, Frenchman Flat

Post-closure monitoring sampling was conducted at Frenchman Flat wells in January 2019 and will continue in February 2019. Post-closure monitoring is required by the CAU 98 Closure Report (CR).

Soils

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 January 2019, 381 bags of contaminated soil have been filled. The shipping campaign to the NNSS began in October 2018, and 175 shipments of 350 bags have been shipped and disposed at the Area 3 Radioactive Waste Management Site and Area 5 Radioactive Waste Management Complex (RWMC) as of January 31, 2019. Due to weather delays and equipment issues, no bags were loaded and no shipments were made in January 2019.

CAU 576, Miscellaneous Radiological Sites and Debris

CAU 576 comprises six CASs related to historical nuclear testing. The draft CADD/CR was approved by NDEP in November 2018. The final CADD/CR will be submitted to NDEP in February 2019 due to additional comments received from NDEP.

External Affairs:

- NSSAB
 - NSSAB hosted an Administrative Board Meeting in Pahrump, NV – January 16, 2019
- Publications:
 - Ongoing social media campaign – 22 posts on Facebook, 22 original tweets on Twitter, and three videos uploaded onto YouTube
 - Published *Learn About the NSSAB* via EM News Flash (11,185 subscribers)
- 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
- Outreach:
 - Delivered 2,554 Operation Clean Desert Activity Books and 150 Operation Clean Desert Teacher’s Guides to 33 Las Vegas/North Las Vegas/Henderson schools and the Frank Rogers Public Reading Room in Las Vegas, NV
- Events/Stakeholders Meetings:
 - Hosted LLW Stakeholders Forum meeting in Pahrump, NV (NSSAB representative attended) – January 16, 2019
 - Conducted an intergovernmental meeting with NSSAB liaisons in Pahrump, NV – January 16, 2019
 - Attended Nye County Local Emergency Planning Committee meeting in Pahrump, NV – January 16, 2019

- Attended Clark County Local Emergency Planning Committee meeting in Las Vegas, NV – January 17, 2019
- NNSS Tours:
 - Hosted tour of NNSS that included Area 5 RWMC for Cora Coleman Senior Center – January 10, 2019
 - Hosted public tour of the NNSS that included Area 5 RWMC – January 15, 2019
 - Hosted tour of NNSS that included Area 5 RWMC for Siena Community Association – January 16, 2019
 - Hosted tour of NNSS that included Area 5 RWMC for Nye County Assemblyman, NV District 36 – January 23, 2019
 - Hosted tour of NNSS that included Area 5 RWMC for Mission Support Test Services, LLC contractor staff – January 24, 2019
 - Hosted public tour of the NNSS that included Area 5 RWMC – January 29, 2019
- Planned activities for February 2019:
 - Participate in Joint Information Center full-scale emergency response exercise in North Las Vegas, NV – February 27, 2019
 - Provide platinum sponsorship to the NNSS Nevada Science Bowl