

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

Waste Disposal and Transportation

- Update from previous months' reports - In October 2017, the State of Nevada Division of Environmental Protection (NDEP) issued a Finding of Alleged Violation 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 Settlement Agreement to the DOE/NNSA. In July 2018, the DOE/NNSA met with NDEP to discuss potential Supplemental Environmental Projects (SEP) to satisfy the Finding. In August 2018, the EM Nevada Program developed statements of work for the SEP and plans to present them to NDEP for approval in September 2018. Approved SEPS will be implemented by the EM Nevada Program in fiscal year 2019. (please see November 2017 – August 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 corrective action plan that was accepted by the Radioactive Waste Acceptance Program (RWAP). The generator is scheduled to complete its corrective action by the end of September 2018. There has been no change in status. (please see June 2018 – August 2018 NSSAB Monthly Reports for more information)
- Update from previous months' reports – Upton, NY generator: In May 2018, the facility evaluation resulted in one Finding that led to the suspension of the generator's program. In July 2018, the generator submitted its corrective action plan that was accepted by RWAP. The generator is scheduled to complete its corrective action by the end of September 2018. The EM Nevada Program will not permit the generator to restart waste shipments until closure of the Finding. (please see June 2018 – August 2018 NSSAB Monthly Reports for more information)
- Update from previous month's report – Idaho Falls, ID generator: In July 2018, the facility evaluation resulted in one Finding. The generator has 30 days to respond after RWAP issued its report in August 2018. (please see August 2018 NSSAB Monthly Report for more information)
- In August 2018, RWAP conducted four facility evaluations:
 - Oak Ridge, TN generator: The facility evaluation resulted in no Findings.
 - Chicago, IL Generator: The tabletop facility evaluation resulted in no Findings.
 - Idaho Falls, ID generator: The facility evaluation resulted in no Findings.
 - Oak Ridge, TN generator (second generator): The facility evaluation resulted in no Findings.
- In September 2018, RWAP will conduct two facility evaluations.

- In September 2018, approximately 159,493 cubic feet of LLW, MLLW, and classified waste is forecasted for disposal at the NNSS.

Underground Test Area (UGTA)

In August 2018, the *Calendar Year 2017 Underground Test Area Annual Sampling Report, NNSS, Nevada* was completed and can be viewed at <https://www.osti.gov/servlets/purl/1467682>

Corrective Action Unit (CAU) 97, Yucca Flat

A preemptive review of the model was conducted in August 2018. In September 2018, a Model Evaluation Data Presentation to NDEP is scheduled.

CAU 99, Rainier Mesa/Shoshone Mountain

In August 2018, responses to the comments on the Rainier Mesa External Peer Review report continued to be developed and will continue in September 2018.

CAUs 101/102, Pahute Mesa

Development of the Corrective Action Investigation Plan continued in August 2018 and will continue in September 2018. Groundwater sampling was conducted in August 2018 and will also occur in September 2018. Results will be included in the UGTA Annual Sampling report for Calendar Year 2018.

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 are scheduled to begin 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. Quarterly inspections will occur in September 2018. In August 2018, irrigation of the CAU 111 revegetation test plots continued, as well as monthly inspections of the plots. Monitoring and irrigation will continue in September 2018.

Soils

CAU 413, Clean Slate II Plutonium Dispersion

CAU 413 comprises one CAS on the Nevada Test and Training Range. Field work and waste removal was completed in July 2018, and demobilization was completed in August 2018. At the completion of the project at the end of July 2018, a cumulative total of 211 shipments (422 waste packages) for a volume of approximately 101,000 cubic feet has been shipped and disposed at the Radioactive Waste Management Complex (RWMC). The draft Closure Report (CR) has been completed and was submitted to NDEP in early August 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 consists of removal and disposal of contaminated soil and debris above action levels in order to ship and dispose at the Area 3 Radioactive Waste Management Site. Mobilization and field work began in August 2018. The road to the site and the staging area were improved to support the truck shipments.

CAU 575, Area 15 Miscellaneous Sites

CAU 575 comprises four CASs related to historical nuclear testing. Development of the draft CR has been completed and was submitted to the EM Nevada Program for review in August 2018.

CAU 576, Miscellaneous Radiological Sites and Debris

CAU 576 comprises six CASs related to historical nuclear testing. A Corrective Action Alternatives meeting in July 2018 with NDEP resulted in a decision of Close in Place for the Kennebec CAS. Development of the draft CADD/CR continues and will be delivered to NDEP when fencing is completed at Kennebec and postings are completed at the six CASs.

External Affairs:

- Publications:
 - Ongoing social media campaign – 11 posts and shares on Facebook and 11 original tweets on Twitter
 - Published Clean Slate II remediation video and Area 5 RWMC Revegetation video to YouTube
 - Published *Nye County Shares 2017 Results and Plans for 2018 Groundwater Sampling Campaign* article via EM News Flash (10,371 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
- Events/Stakeholders Meetings:
 - Delivered 3,331 Operation Clean Desert Activity Books, 141 Operation Clean Desert Teacher’s Guides, 141 Operation Clean Desert CDs, and 327 worksheets to: CCSD New Teacher’s Kickoff Event, Rosemary Clark Middle School (Pahrump, NV), Clifford Findlay Middle School (Las Vegas), Southwest Career Technical Academy (Las Vegas), The Alexander Dawson School at Rainbow Mountain (Las Vegas), Marion E. Cahlan-Edison Elementary School (North Las Vegas), Calvary Chapel Green Valley Christian Academy (Las Vegas), Somerset Academy North Las Vegas campus, Advanced Technologies Academy (Las Vegas), School-Community Partnership Program (Las Vegas), Robert E. Lake Elementary School (Las Vegas), American Leadership Academy North Las Vegas, Cashman Middle School (Las Vegas), Charles Silvestri Middle School (Las Vegas), Ed Von Tobel Middle School (Las Vegas), Rancho High School (Las Vegas), and Central middle School (Parsippany, NJ)
 - Hosted the Low-level Waste Stakeholders Forum in Pahrump, NV (NSSAB Vice-Chair attended) – August 1, 2018

- Participated in Clark County School District (CCSD) New Teacher Onboarding outreach event in Las Vegas, NV – August 1-2, 2018
- NNSSTours:
 - Hosted tour of the NNSSThat included Area 5 RWMC/briefing for Senator Heller staff – August 2, 2018
 - Hosted tour of the NNSSThat included Area 5 RWMC for U.S. Air Force personnel – August 13, 2018
 - Hosted tour of the NNSSThat included Area 5 RWMC for Industry/Community Tour– August 15, 2018
 - Hosted public tour of the NNSSThat included Area 5 RWMC – August 21, 2018
 - Hosted tour of the NNSSThat included Area 5 RWMC for NNSA Cost Execution Group/Financial Integration – August 23, 2018
 - Hosted tour of the NNSSThat included Area 5 RWMC for Doctors for Disaster Preparedness– August 27, 2018
- Planned activities for September 2018:
 - Attend RadWaste Summit in Henderson, NV (2 NSSAB Members to attend) – September 4-6, 2018
 - Attend EM SSAB National Chairs’ Meeting and EM Cleanup Summit in Alexandria, VA (NSSAB Chair and Vice-Chair to attend) – September 11-13, 2018
 - Conduct Community Conversation promotion at the Amargosa Valley Senior Center – September 21, 2018
 - EM Nevada Program to conduct an intergovernmental meeting with NSSAB Liaisons and NSSAB leadership in Las Vegas, NV – September 26, 2018
 - NSSAB to host a Full Board Meeting in Las Vegas, NV – September 26, 2018
 - Host tour of the NNSSTo include Area 5 RWMC for Senator Heller staff – September 26, 2018
 - Host tour of the NNSSTo include Area 5 RWMC for Pahrump Valley High School – September 27, 2018
 - Publish NSSAB Community Analysis article
 - Deliver Operation Clean Desert books to schools/teachers in Las Vegas, NV (requests from New Teacher Onboarding outreach event)