

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

Waste Disposal and Transportation

- Update from previous months' reports – In July 2017, the EM Nevada Program received a Resource Conservation and Recovery Act (RCRA)-permit modification granted by the State of Nevada Division of Environmental Protection (NDEP) that allows for the construction of a new mixed low-level waste (MLLW) cell at the Nevada National Security Site (NNSS). In March 2018, final quality assurance inspections were conducted with the final quality report scheduled to be submitted to NDEP in April 2018. The replacement cell is projected to be operational by May 2018. (please see December 2016 – March 2018 NSSAB Monthly Reports for more information)
- Update from previous months' reports - In October 2017, NDEP issued a Notice of Alleged Violation to the Department of Energy (DOE) National Nuclear Security Administration (NNSA) as a result of the NNSS accepting 93 containers of waste from a generator and disposing as LLW when the containers should have been disposed as MLLW. The DOE NNSA developed a written response for corrective actions that was submitted to NDEP in early January 2018. In March 2018, DOE NNSA met with NDEP to discuss the draft corrective action plan (CAP) with the final CAP scheduled to be submitted to NDEP in April 2018. (please see November 2017 – March 2018 NSSAB Monthly Reports for more information)
- Update from previous months' reports - Oak Ridge, TN generator (second generator): In July 2017, a facility evaluation resulted in one Finding. In February 2018, the generator submitted the CAP closure evidence. The Radioactive Waste Acceptance Program (RWAP) closed the Finding in March 2018. (please see August 2017 - March 2018 NSSAB Monthly Reports for more information)
- Update from previous months' reports – West Valley, NY generator: In October 2017, a facility evaluation resulted in one Finding. In February 2018, the generator submitted CAP closure evidence. The RWAP closed the Finding in March 2018. (please see November 2017 – March 2018 NSSAB Monthly Reports for more information)
- Update from previous months' reports – Pantex, TX generator. In November 2017, a tabletop facility evaluation resulted in two Findings. In March 2018, the generator submitted CAP closure evidence. The RWAP closed the Findings in March 2018. (please see December 2017 – March 2018 NSSAB Monthly Reports for more information)
- Update from last months' reports - In December 2017, LLW shipments from a West Valley, NY generator bound for the NNSS began transport by rail to a transfer location in Kingman, AZ. In January 2018, two containers were identified with breaches due to shifting internal contents and the lids of three other containers were not fully sealed when the intermodals were inspected and moved from the rail car to the flatbed trailer. No contamination was detected outside the

containers. In March 2018, the generator submitted CAP closure evidence. The RWAP closed the Findings in March 2018. (please see February 2018 – March 2018 NSSAB Monthly Reports for more information)

- In March 2018, RWAP conducted three facility evaluations:
 - Aberdeen, MD generator: This was a tabletop facility evaluation that resulted in no Findings.
 - Los Alamos, NM generator: This was a tabletop facility evaluation that resulted in no Findings.
 - Livermore, CA generator: This facility evaluation resulted in one Finding. Once the RWAP report is submitted, the generator will have 30 days to respond to the Finding.
- In April 2018, RWAP will conduct three facility evaluations.
- In April 2018, approximately 168,079 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

Pumping and sampling activities were completed at wells ER-6-1-1 and ER-4-1 in March 2018.

CAU 99, Rainier Mesa/Shoshone Mountain

The External Peer Review (EPR) panel continued review of the Flow and Transport Model document in March 2018 and will continue in April 2018. During its review, the EPR panel has been in continual contact by conference call with the UGTA team. A meeting was held the end of March 2018 for face-to-face technical discussions and a status update from the EPR panel. The NSSAB Chair observed this meeting. The report from the EPR panel is due to the UGTA team by the end of April 2018.

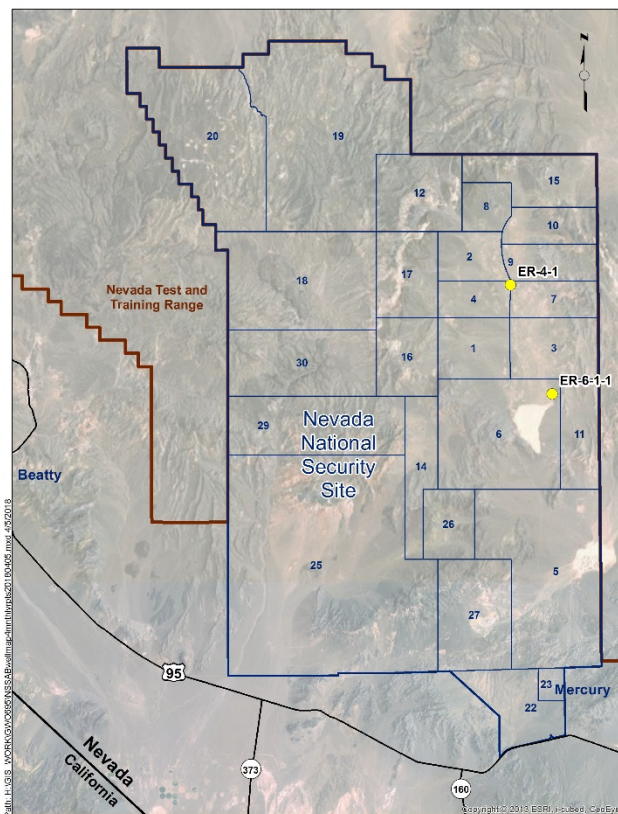
Post-Closure Monitoring

Non-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 were completed in December 2017; repairs and maintenance will be performed in fiscal year 2018.

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 March 2018, quarterly inspection of CAU 111 at the Area 5 Radioactive Waste Management Complex (RWMC) was performed, and irrigation of the test plots for revegetation of will continue in April 2018.

Soils

CAU 413, Clean Slate II Plutonium Dispersion

CAU 413 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 June 2017. Field work continued in March 2018 and will continue in April 2018. Waste shipments continued in March 2018 and will continue in April 2018. As of the end of March 2018, 111 shipments for a volume of approximately 54,000 cubic feet were shipped and disposed at the Area 5 RWMC.

CAU 414, Clean Slate III Plutonium Dispersion

CAU 414 comprises one CAS on the Nevada Test and Training Range. The CADD/CAP was approved by NDEP in January 2018. Field work will consist of removal and disposal of contaminated soil above action levels at the Area 5 RWMC and will commence when field work at CAU 413 is complete.

CAU 575, Area 15 Miscellaneous Sites

CAU 575 comprises four CASs related to historical nuclear testing. In March 2018, development of the Closure Report (CR) continued and will continue in April 2018. The CR is due to NDEP in May 2018.

CAU 576, Miscellaneous Radiological Sites and Debris

CAU 576 comprises six CASs related to historical nuclear testing. Development of the CADD and corrective action alternatives and cultural resource documentation continued in March 2018 and will continue in April 2018.

External Affairs:

- **NSSAB:**
 - NSSAB conducted a targeted recruitment drive for Amargosa Valley, Goldfield, and Tonopah, NV; and Tecopa and Shoshone, CA – month of March 2018
 - NSSAB hosted a Full Board Meeting in Las Vegas, NV – March 14, 2018
- **Publications:**
 - Ongoing social media campaign – 44 original posts on Facebook, 45 original tweets on Twitter, one video on YouTube and 76 photos on Flickr
 - Published *Advisory Board Moves Forward with Plan to Gauge Community Perspectives* via EM News Flash, social media and nsss.gov (8,949 subscribers)
 - Published *NNSS Revegetation Project Using Tribal Recommendations in Full Swing* article via EM News Flash (9,099 subscribers), social media and nsss.gov
 - Published *EM Nevada Program Completes Disposal Cell* article via EM HQ newsletter, social media and nsss.gov
 - Published *Calling New Advisory Board Members!* Via EM News Flash (8,994 subscribers), social media and nsss.gov
 - Published Revision 9 of *Waste Disposal at the NNSS* fact sheet

- 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 kiosks – located at National Atomic Testing Museum Public Reading Room and UNLV Lied Library in Las Vegas, NV
- Events/Stakeholders Meetings:
 - Hosted NNSS booth at 2018 Waste Management Symposia in Phoenix, AZ – March 18-22, 2018 (NSSAB member attended)
- Outreach:
 - Supported NSSAB and NNSS presentations to Math and Science Club in Mesquite, NV – March 18, 2018
 - Provided 345 Operation Clean Desert activity books, five Operation Clean Desert teacher’s guides and five Operation Clean Desert CDs to Scott D. Elementary School (Las Vegas, NV), Mannion Middle School (Henderson, NV), Take Your Kids to Work Day (Office of Environmental Management, Washington DC), teachers in New York, NY and Washington, DC
- NNSS Tours:
 - Hosted tour of the NNSS that included Area 5 RWMC for Argonne National Laboratory – March 15, 2018
 - Hosted tour of the NNSS that included Area 5 RWMC for members of the public – March 20, 2018
 - Hosted tour of the NNSS that included Area 5 RWMC for members of the public – March 27, 2018
 - Hosted tour of the NNSS that included Area 5 RWMC for Nye County Officials – March 28, 2018
- Planned activities for April 2018:
 - Interviews of applicants for NSSAB membership in Amargosa Valley, NV – April 9, 2018
 - NSSAB Chair and Vice-Chair observe RWAP audit in Paducah, KY – week of April 23, 2018
 - Host tour of the NNSS for NDEP – April 25, 2018
 - Deliver Operation Clean Desert activity books requested by schools