



**Environmental Management (EM)
Nevada Program Activities
Monthly Report to the
Nevada Site Specific Advisory Board (NSSAB)
February 2024**



External Affairs

- NSSAB:
 - Hosted NSSAB Full Board Meeting via hybrid format in Pahrump, NV, including social media, news release with 35,580 subscribers, KPVM TV News 25 segment, and newspaper advertising in Las Vegas Review-Journal and Pahrump Valley Times for promotion – January 17, 2024
 - Conducted NSSAB membership recruitment drive including interviews of potential candidates (NSSAB leadership participated) – month of January 2024
- Events/Stakeholder Meetings:
 - Hosted EM Nevada Program updates and tour of the Nevada National Security Sites (NNSS) for Beth Lisann, Site Liaison for Moab, Sandia, NNSS and EM LA (Los Alamos) - January 10 -11, 2024
 - Hosted EM Nevada Program Intergovernmental Meeting via hybrid format in Pahrump, NV (NSSAB leadership attended) – January 17, 2024
 - Hosted quarterly partnering session with the EM Consolidated Business Center, EM Nevada Program, and Navarro senior staff at the Molasky Corporate Center, Las Vegas, NV – January 22, 2024
 - Hosted an ‘ant farm’ groundwater demonstration for students at Sunrise Acres Elementary School, Las Vegas, NV – January 26, 2024
 - Hosted tour of the NNSS for senior management of the State of Nevada Division of Environmental Protection (NDEP) and the State of Nevada Department of Conservation & Natural Resources – January 30, 2024
- Publications:
 - The current *EM Strategic Vision: 2023-2033* can be accessed [here](#). NNSS is featured on pages 32-33. [standing item]
 - Published NNSS News Brief and social media, *Navarro Research and Engineering Inc., Announces Community Commitment Grant Award Winners, Third year of grant program provides almost 16K to five area schools*, can be accessed [here](#) – January 30, 2024
 - Featured in article on EM Headquarters’ website and social media, *2024 EM Mission and Priorities*, can be accessed [here](#), and EM News Flash, *EM Releases Fresh Slate of Ambitious Priorities to Drive Cleanup Progress in 2024*, can be accessed [here](#) (see page 4 of this report) – January 30, 2024
- Planned activities for February 2024:
 - Host Low-Level Waste Stakeholders Forum via hybrid format in Pahrump, NV – February 7, 2024
 - Host Federal Facility Agreement and Consent Order (FFACO) annual and transition meetings in Las Vegas, NV – February 14, 2024
 - Host NSSAB Full Board Meeting via hybrid format in Las Vegas, NV, including social media, news release with over 35K subscribers, and newspaper advertising for promotion – February 21, 2024

- Host EM Nevada Program Intergovernmental Meeting via hybrid format in Las Vegas, NV (NSSAB leadership to attend) – February 21, 2024
- Host retreat and tour of the NNSS for U.S. Department of Energy (DOE) EM Federal Project Directors in Las Vegas, NV – February 26-29, 2024

Waste Disposal and Transportation

- The fiscal year 2024 Waste Volume Report for the first quarter (October - December 2023) can be accessed [here](#)
- In the month of January 2024, RWAP conducted three facility evaluations:
 - Oak Ridge, TN generator: A facility evaluation that resulted in no Findings.
 - Los Alamos, NV generator: A facility evaluation that resulted in two Findings. The generator will have 30 days to respond to the Finding after receiving the RWAP final report.
 - Lawrence Livermore, CA generator: A facility evaluation that resulted in no Findings.
- In the month of February 2024, RWAP will conduct two facility evaluations.
- In the month of February 2024, approximately 51,904 cubic feet of low-level waste (LLW), mixed (MLLW), and classified waste is forecasted for disposal at the NNSS.

Underground Test Area (UGTA) - Groundwater

Corrective Action Unit (CAU) 101/102, Pahute Mesa

In January 2024, the Corrective Action Decision Document/Corrective Action Plan for the Pahute Mesa CAUs was completed and approved by NDEP.

Industrial Sites

CAU 114, Area 25 Engine Maintenance, Assembly, and Disassembly (EMAD) Facility

CAU 114 comprises three Corrective Action Sites (CASs) in Area 25 of the NNSS. The Streamlined Approach for Environmental Restoration (SAFER) Plan was approved by NDEP in June 2021. In January 2024, preparation of the facility for eventual demolition continued and will continue throughout 2024.

CAU 572, Test Cell C (TCC) Ancillary Building and Structures

CAU 572 comprises five CASs in Area 25 of the NNSS. The SAFER Plan was approved by NDEP in April 2021. In January 2024, preparation of the facility for eventual demolition continued and will continue throughout 2024.

CAU 578, Miscellaneous Inactive Sites

CAU 578 comprises eleven CASs on the NNSS. The Closure Report, due in February 2024, was submitted to NDEP in January 2024 and recommended the closure in place of six CASs. A closure in place strategy involves using engineering and/or administrative controls to manage remaining contamination.

Post-Closure Monitoring

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

The Non-RCRA Post-Closure Monitoring Sites include CASs where post-closure inspections and maintenance were performed in accordance with closure requirements. Maintenance and repairs identified during the 2023 annual inspections will be conducted in calendar year 2024.

RCRA Post-Closure Monitoring Sites

The RCRA Post-Closure Monitoring Sites include seven CAUs where post-closure inspections, monitoring, and maintenance were performed in accordance with the RCRA Permit and closure requirements. In January 2024, repairs identified during the December 2023 quarterly inspections will be completed.

Groundwater Post-Closure Monitoring

In January 2024, finalization of the Draft Addendum to the Closure Report for CAU 98, Frenchman Flat, continued. Development of the Annual Letter Report for all Closed Groundwater CAUs began.

Federal Facility Agreement and Consent Order (FFACO)

The FFACO is a regulatory agreement that identifies sites of potential historic contamination on the NNSS and outlines a strategy and timeline for completing corrective actions. A collaborative effort with all signatories to modify the FFACO is underway to update the main body and appendices. One key change is the identification of the EM Nevada Program as a separate signatory (previously, the EM Nevada Program and the National Nuclear Security Administration Nevada Field Office (NNSA/NFO) were represented by NNSA/NFO signature). A new Appendix, VII, was also written to provide a Post-Closure Strategy for closed CAUs that includes processes for transitioning responsibility of FFACO sites to long-term stewards. This extensive revision process was last undertaken when the FFACO was modified in 2010. The proposed changes in progress further solidify the Department's commitment to long-term environmental protection and support the evolution of the EM Nevada Program mission. Revision of the FFACO continued in January 2024 and is expected to be completed in early 2024.



MISSION STATEMENT:

To complete the safe cleanup of the environmental legacy brought about from decades of nuclear weapons development and government-sponsored nuclear energy research.

PRIORITY #1: ACHIEVE SIGNIFICANT CONSTRUCTION MILESTONES

- Complete construction of Savannah River Site (SRS) Saltstone Disposal Unit 9
- Install all the exterior walls and roof to progress construction of the Advanced Manufacturing Collaborative in Aiken, South Carolina
- Complete commissioning of the Waste Isolation Pilot Plant (WIPP) Safety Significant Confinement Ventilation System, and initiate the readiness review process
- Complete the Cold Commissioning Management Assessment of the Waste Treatment and Immobilization Plant at Hanford

PRIORITY #2: EXECUTE KEY CLEANUP PROJECTS

- Treat 100,000 cumulative gallons of radioactive sodium-bearing tank waste at the Idaho Integrated Waste Treatment Unit
- Transfer SRS landlordship from EM to the National Nuclear Security Administration
- Complete 40 transuranic (TRU) waste shipments to WIPP from Los Alamos
- Receive 450 total TRU waste shipments at WIPP, while ensuring there is no backlog of shipments at Los Alamos
- Process 35 canisters of material from the U-233 Disposition Project at Oak Ridge
- Complete removal of a cumulative 15 million tons of radioactive material from Moab
- Complete the size reduction and repackaging of 158 corrugated metal pipes at Los Alamos
- Complete disposition of 1 million pounds of R-114 refrigerant at Paducah
- Treat 2 billion gallons of groundwater at Hanford
- Dispose of a cumulative 20,000 tons of waste since starting the Main Plant Process Building demolition project at West Valley
- Complete pre-demolition abatement and hazard removal at Building 251 at Lawrence Livermore National Laboratory
- Initiate installation of Test Bed Initiative waste treatment equipment at Hanford
- Complete six spent nuclear fuel dissolutions at the SRS H-Canyon as part of the Accelerated Basin De-inventory mission
- Complete retrieval of 74 standard waste boxes to above-ground storage at Waste Control Specialists in Texas

PRIORITY #3: REDUCE THE EM FOOTPRINT

- Complete demolition of the remaining Accelerated Retrieval Project enclosures at the Subsurface Disposal Area at Idaho
- Initiate demolition of the Alpha 2 building at the Y-12 National Security Complex at Oak Ridge
- Complete below-grade demolition of the Q-Complex at Knolls Atomic Power Laboratory in New York
- Complete demolition of Building 3901 and four ancillary structures at the Engine Maintenance, Assembly and Disassembly Facility at the Nevada National Security Sites
- Complete dewatering and grouting of the K West Basin at Hanford
- Complete soil remediation under the former Gaseous Diffusion Plant (GDP) support facilities at the Oak Ridge East Tennessee Technology Park
- Complete deactivation of the X-333 uranium enrichment process building at Portsmouth

PRIORITY #4: AWARD CONTRACTS THAT ENABLE ACCELERATED PROGRESS

- Issue Naval Reactors Deactivation, Decommissioning and Removal Task Order
- Award Elemental Mercury Contract
- Issue Phase 1B Request for Proposal for West Valley Deactivation and Demolition

PRIORITY #5: DRIVE INNOVATION AND IMPROVE PERFORMANCE

- Meet 5% small business goal
- Award and distribute \$20 million in grants to Minority Serving Institutions
- Install 20 electric vehicle charging ports at EM sites
- Place orders for 175 zero-emission vehicles
- Select a carbon-free electricity project for development at Hanford