

**Environmental Management (EM)
Nevada Program Activities
Monthly Report to the
Nevada Site Specific Advisory Board (NSSAB)
October 2022**

Nevada National Security Site (NNSS) 2021 Environmental Report Now Available

The 2021 NNSS Environmental Report provides the results of environmental monitoring and compliance activities conducted on and around the NNSS for the protection of public health and the environment. Information available in the report includes environmental management system performance and implementation; compliance with all environmental permits; monitoring of radionuclides in air, groundwater, and biota; direct radiation monitoring; calculation of the public's radiation dose from activities conducted on the NNSS; results of Clean Air Act, Safe Drinking Water Act and Clean Water Act monitoring; progress toward remediation of all contaminated sites; environmental monitoring of waste management sites; protection of cultural resources; and monitoring of protected species and habitats on the NNSS, and more.

The report is written to inform the public, regulators, employees, and other stakeholders of the performance of the NNSS environmental program for calendar year 2021. The report can be accessed [here](#).

External Affairs

- NSSAB
 - Participated in EM Site-Specific Advisory Board National Chairs Meeting in Santa Fe, NM (NSSAB Chair Frank Bonesteel and Vice-Chair Anthony Graham attended in-person) – September 5-7, 2022
YouTube recording can be accessed [here](#)
 - Hosted NSSAB Full Board Meeting via hybrid format in Las Vegas, NV, including social media, news release, and newspaper advertising for promotion – September 28, 2022
- Events/Stakeholders Meetings:
 - Attended the EM National Cleanup Workshop via hybrid format (NSSAB Chair attended in-person in Arlington, VA and provided report at 9-28 NSSAB Meeting) – September 21-23, 2022
EM Update articles from September 27 can be accessed [here](#)
 - Hosted EM Nevada Program Intergovernmental Meeting via hybrid format in Las Vegas, NV (NSSAB leadership attended in-person) – September 28, 2022
- Publications:
 - The current *EM Strategic Vision: 2022-2032* can be accessed [here](#). NNSS is featured on pages 37-39. [standing item]
 - Highlighted in article and social media, *EM Updates Cleanup 'By the Numbers'*, in EM Update on September 13, and DOE Office of EM Weekly Digest Bulletin on September 18, can be accessed [here](#)
 - Featured in article and social media, *New EM Program Plan Guides Progress, Opportunities to Accelerate Cleanup*, in EM News Flash on September 22, article can be accessed [here](#); EM Mission & Priorities can be accessed [here](#) (Note: Priority #2: Execute Key Cleanup Projects – begin demolition of the Test Cell C [TCC] and Engine Maintenance Assembly and Disassembly [EMAD] facilities at Nevada)

- Planned activities for October 2022:
 - Host NSSAB tour of the Nevada National Security Site (NNSS) – October 19, 2022

Waste Disposal and Transportation

- Update from previous reports – Oak Ridge, TN generator. In December 2020, the Radioactive Waste Acceptance Program (RWAP) issued a Finding for a waste stream shipped to the NNSS that exceeded the Radioactive Waste Permit limits (i.e., worker protection limits) for that shipment. In September 2022, the EM Nevada Program approved the generator’s waste profile thus lifting the suspension for this specific waste stream. (please see March, June – July, October – December 2021, February – March 2022, and June - September 2022 NSSAB Monthly Reports for more information)
- Update from previous reports – Idaho Falls, ID generator. In May 2022, RWAP conducted a facility evaluation that resulted in one Finding. In July 2022, RWAP approved the generator’s corrective action plan (CAP). In September 2022, the generator requested an extension for CAP closure that was granted by RWAP. (please see June - July 2022 and September 2022 Monthly Reports for more information)
- Update from previous reports – Erwin, TN generator. In May 2022, RWAP conducted a facility evaluation that resulted in one Finding. In September 2022, the generator submitted its CAP that was reviewed and approved by RWAP. The generator cannot ship this specific waste stream for disposal until the Finding is closed. (please see June – July 2022 and September 2022 Monthly Reports for more information)
- Update from previous reports – Oak Ridge, TN generator #2. In July 2022, RWAP conducted a facility evaluation that resulted in two Findings. In September 2022, the generator submitted its CAP that was reviewed and approved by RWAP. The generator will complete its CAP by November 2022. (please see August - September 2022 Monthly Reports for more information)
- Update from previous report – Oak Ridge, TN generator. In September 2022, RWAP conducted a facility evaluation that resulted in two Findings. In September 2022, the EM Nevada Program suspended all but two of the generator’s waste streams. The generator will have 30 days to respond to the final RWAP report once issued. (please see September 2022 Monthly Report for more information)
- In September 2022, the RWAP conducted four facility evaluations:
 - West Valley, NY generator: A facility evaluation that resulted in no Findings.
 - Brookhaven, NY generator: A facility evaluation that resulted in no Findings.
- In October 2022, the RWAP will conduct four facility evaluations.
- In October 2022, approximately 73,168 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 September 2022, the external peer review of the Pahute Mesa Phase II Flow and Transport Model Report concluded.

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 the State of Nevada Division of Environmental Protection (NDEP) in June 2021. In September 2022, preparation of the facility for eventual demolition continued, and will continue in October 2022.

CAU 572, Test Cell C 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 September 2022, preparation of the facility for eventual demolition continued, and will continue in October 2022 as access allows.

CAU 577, Area 5 Chromium Contaminated Waste Disposal Cells

CAU 577 comprises five CASs located at the Area 5 Radioactive Waste Management Complex (RWMC). In September 2022, preparation of the Addendum to the Closure Report for CAU 577 continued and was submitted to NDEP. The Addendum includes information about the closure of CAS 05-21-05 in CAU 577.

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. In December 2021, annual inspections for the calendar year were completed; maintenance and repairs identified during the 2021 annual inspections will continue throughout the 2022 calendar year. Annual inspections for 2022 continued in September 2022 and will continue throughout the calendar year.

RCRA Post-Closure Monitoring Sites

The RCRA Post-Closure Monitoring Sites include six CAUs where post-closure inspections, monitoring, and maintenance were performed in accordance with the RCRA Permit and closure requirements. In September 2022, quarterly inspections were performed; in October 2022, required maintenance identified during the quarterly inspections will be performed.