



Nevada Site Specific Advisory Board (NSSAB)

**Full Board Meeting – Las Vegas
Wednesday, September 11, 2024**

Handouts...

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NSSAB minutes, agendas, recommendations, meeting dates and locations, handouts, and member application is available on the NSSAB website at: www.nnss.gov/NSSAB/
NSSAB Phone: 702-523-0894; NSSAB Email: nssab@emcbc.doe.gov
NSSAB Address: 100 N. City Parkway, Suite 1750, Las Vegas, NV 89106
www.facebook.com/NNSANevada

The Nevada National Security Sites (NNSS) Environmental Report is available at
<https://nnss.gov/publication-library/environmental-publications/>

The Environmental Management (EM) Strategic Vision: 2024-2034 is available at
https://www.energy.gov/sites/default/files/2024-03/DOE_EM_Strategic_Vision_2024_FINAL_sm.pdf

NSSAB FULL BOARD MEETING ATTENDANCE

October 2023 through September 2024 (FY 2024)

Name	11/8/23	1/17/24	2/21/24	4/17/24	7/17/24	9/11/24	Max Term
MEMBERS							
Erik Anderson	√	√	√	E	√		2028
Joycelyn Austin-Mabe	√	√	√	E	√		2028
Lisa Blandi	E	√	√	√	√		2028
John Cole	√	√	√	√	√		2028
Bill Dolan	E	E	U				2026
Gary Elgort	√	√	√	√	√		2026
Anthony Graham	√	√	√	√	√		2024
Mark Hilton	√	√	√	√	√		2026
Bruce Jabbour	√	E	√	√	√		2026
Dan Peterson	√	U	√	√	U		2026
Janice Six	√	√	√	√	√		2024
Kevin Trainor	√	√	√	√	√		2028
Favil West	√	√	U	U	U		2026
Eddie Williams	√	√	√	√	√		2028
LIAISONS							
Clark County	√	√	√	√	√		
Consolidated Group of Tribes & Organizations	E	√	√	√	E		
Elko County Commission (limited)							
Esmeralda County Commission (limited)	√						
Lincoln County Commission	U	√	U	√	√		
Nye County Commission	√	E	√	√	√		
Nye County Emergency Management	√	√	√	√	√		
Nye Co. Natural Resources and Federal Facility	E	√	√	√	E		
State of NV Division of Env Protection	√	√	√	√	√		
U.S. Natl Park Service (limited)					√		
White Pine County Commission	U	U	√	√	E		
KEY: √ - Present E - Excused V - Vacant U - Unexcused							

UGTA Updates for NSSAB



John Myers
UGTA Activity Lead, EM Nevada Program

Ken Rehfeldt
UGTA Manager, Navarro



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9/11/2024

Short Version

- Well Design Changes
 - Shallower - ~3,000 ft instead of 4,000 ft
 - Greater number of completions with electric submersible pumps
- Additional Surface Geophysics
 - Replanned to include expanded geophysical data collection
 - Addition of 3-D interpretation



Short Version

- Benefits
 - Simpler well design – less complicated completion
 - Additional data to be collected for Model Evaluation in the shallower aquifers that are known to be the primary pathways for radionuclide migration
 - Wells will be less costly than the original design
 - Geophysical data will provide data for a larger area and depth



Short Version

- What was given up
 - No new data in the deepest aquifer (Calico Hills Lava Flow Units - CHLFA)
 - Existing data is sufficient for model evaluation
 - Already know there is contamination in CHLFA based on measurements at ER-20-5-3
 - Will continue to model the CHLFA as a radionuclide pathway
 - Based on current data and modeling, the CHLFA is not the primary pathway for radionuclide migration



Well ER-20-1

- Original Well Design
 - Deepen the existing well from 2,065 ft to 4,000 ft
 - Piezometer in Tiva Canyon Aquifer (possible migration pathway from TYBO or BENHAM tests)
 - Piezometer in Topopah Spring Aquifer (known migration pathway from TYBO or BENHAM tests)
 - Pumped well completion in the Calico Hills Lava Flow Aquifer 5 (known deep and slower migration pathway from TYBO or BENHAM tests)



Well ER-20-1

- Revised Well Design
 - Deepen the existing well from 2,065 ft to 2,900 ft
 - Piezometer in Tiva Canyon Aquifer (possible fast migration pathway from TYBO or BENHAM tests) – can be sampled using a rod pump
 - Pumped well completion in Topopah Spring Aquifer (known fast migration pathway from TYBO or BENHAM tests) – sampled while pumping and includes aquifer property measurements from aquifer testing
 - No completion in the Calico Hills Lava Flow Aquifer 5 (known deep and slower migration pathway from TYBO or BENHAM tests based on data from ER-20-5-3)



Well ER-20-1

Pumped completion moved to the Topopah Spring Aquifer – the unit with the greatest downgradient migration in this part of the flow system – most important for Model Evaluation



Well ER-20-13

- Original Well Design
 - Drill a new well to 4,000 ft
 - Piezometer in Tiva Canyon Aquifer (possible migration pathway from FONTINA test)
 - No piezometer in Topopah Spring Aquifer (unit assumed to not be present at this location when originally designed)
 - Pumped well completion in the Calico Hills Lava Flow Aquifer 5 (possible deep and slower migration pathway from FONTINA test)



Well ER-20-13

- Revised Well Design
 - Drill 2 wells at this site one to 2,620 ft and one 2,960 ft
 - Pumped well completion in Tiva Canyon Aquifer (possible migration pathway from FONTINA test)
 - Pumped well completion in Topopah Spring Aquifer (unit assumed to be present at this location and a possible migration pathway)
 - No completion in the Calico Hills Lava Flow Aquifer 5 (possible deep and slower migration pathway from FONTINA test)



Well ER-20-13

- Advantages of the revised design
 - Pumped well completions use an electric submersible pump in both the TCA and TSA, sample a larger area, and can be used to measure hydraulic connections
- Shallow aquifers to be pumped are also the most likely migration pathways – new designs provided stronger Model Evaluation data with regard to maximum migration distances



What is not obtained

- Do not complete in or sample the Calico Hills Lava Flow Aquifers
 - These deeper units have been identified as discontinuous in a matrix of bedded tuff confining units
 - Observations show that migration is slower than in shallower aquifers and less critical to Model Evaluation
- Data from shallower aquifers strengthens the Model Evaluation



Other Advantages

- Shallower wells can be drilled using smaller, safer, and less expensive drill rigs than the original designs
- Obtain additional Model Evaluation data and reduce the cost of drilling at the same time
- Used some of the savings to enhance the surface geophysical data collection – also strengthening the Model Evaluation data collection



Long-Term Monitoring Fiscal Year (FY) 2024 Wrap Up and FY 2025 Planned Activities



Jackie Petrello, Long-Term Monitoring Lead

U.S. Department of Energy (DOE)

Environmental Management (EM) Nevada Program

September 11, 2024



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ID 3398 – 9/11/2024
Log No: EMRP-2024-047



Background

- Long-Term Monitoring sites include Corrective Action Sites that are now closed under the Federal Facility Agreement and Consent Order (FFACO) and require some form of reporting, maintenance, monitoring, or inspections
 - Closed Soils Sites
 - Closed Industrial Sites
 - Closed Underground Test Area (UGTA) Sites



Long-Term Monitoring FY 2024 Wrap Up

- Planned: Submit Resource Conservation Recovery Act (RCRA) and Non-RCRA Post-Closure Reports, and UGTA Calendar Year (CY) 2023 Post-Closure Monitoring Letter Report to the State of Nevada Division of Environmental Protection (NDEP)
 - Status: No significant concerns identified during post-closure inspections
 - RCRA Post-Closure Report - submitted May 2024
 - Non-RCRA Post-Closure Report - submitted May 2024
 - UGTA CY 2023 Post-Closure Monitoring Letter Report - submitted May 2024



Long-Term Monitoring FY 2024 Wrap Up (continued)

- Planned: Conduct quarterly, biannual, and annual monitoring at closed sites
 - Status: All required monitoring was conducted in FY 2024



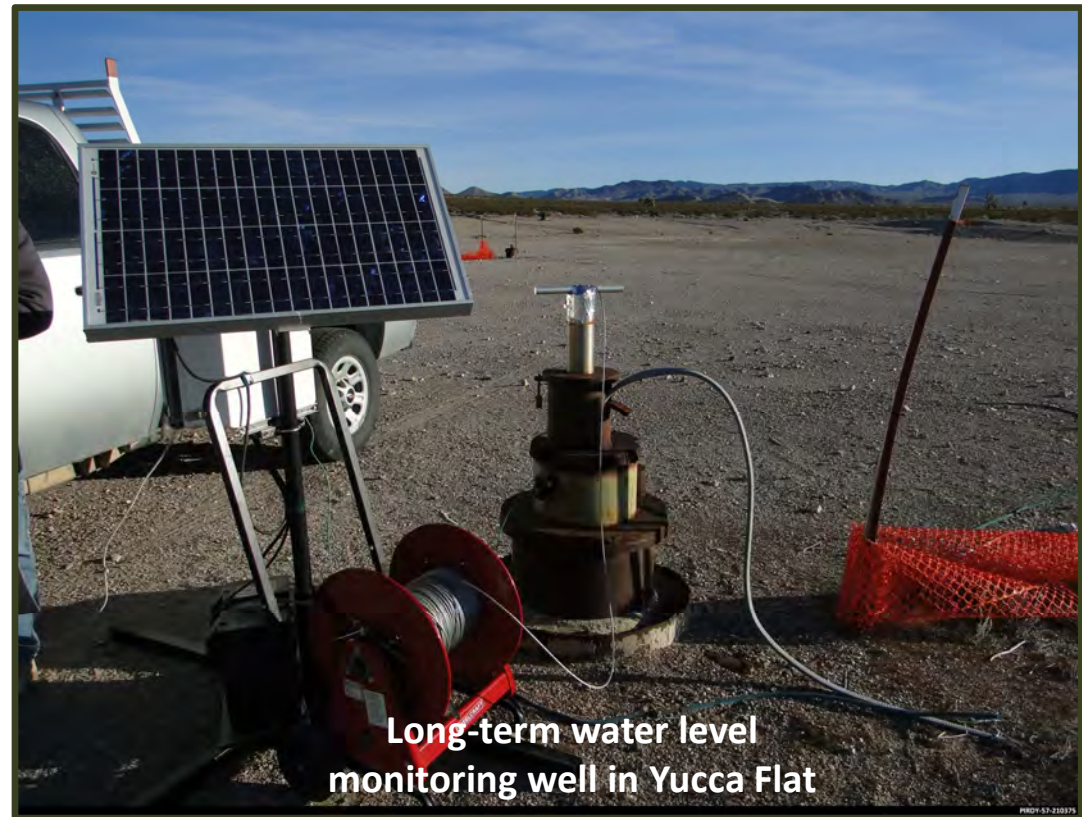
Long-Term Monitoring FY 2024 Wrap Up (continued)

- Planned: Continue path forward for Corrective Action Units (CAUs) 111 and 577 revegetation
 - Status: Activities are ongoing



Long-Term Monitoring FY 2024 Wrap Up (continued)

- Planned: Conduct UGTA annual water level monitoring
 - Status: Completed; results consistent with modeling; no concerns identified
- Planned: Conduct post-closure monitoring well inspections on wells in the sampling and groundwater level network
 - Status: Completed



Long-Term Monitoring FY 2024

Additional Activities

- UGTA
 - Monitored current and planned groundwater usage on and surrounding the Nevada National Security Site
 - Completed annual sampling of Well WW-C-1 as required under Yucca Flat Post-Closure
 - Installed a pilot remote water level data transmission capability at one location in Frenchman Flat and three locations in Yucca Flat
 - Able to log in and see daily water level and barometric data from the four pilot locations
 - Deploying new stations in fall 2024 at one location in Yucca Flat, four locations in Rainier Mesa, and seven locations in Pahute Mesa



Long-Term Monitoring FY 2025 Planned Activities



Closed site requiring post-closure surveillance and maintenance

PIRDY-57-234600



Controlled area requiring long-term monitoring

- Submit Non-RCRA Post-Closure Report and UGTA CY 2024 Post-Closure Monitoring Letter Reports to NDEP
- Conduct quarterly, biannual, and annual monitoring at closed sites
- Continue path forward for CAUs 111 and 577 revegetation



Long-Term Monitoring FY 2025 Planned Activities (continued)

- Conduct UGTA annual water level monitoring
- Sample well WW-C-1
- Conduct post-closure monitoring well inspections on wells in the sampling and groundwater level network



Industrial Sites Fiscal Year (FY) 2024 Wrap Up and FY 2025 Planned Activities



Jackie Petrello, Industrial Sites Activity Lead

U.S. Department of Energy (DOE)

Environmental Management (EM) Nevada Program

September 11, 2024



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ID 3397 – 9/11/2024
Log No: EMRP-2024-051

Background

- Portions of the facilities and land at the Nevada National Security Site (NNSS) and Nevada Test and Training Range were used in direct support of nuclear testing
 - Facilities included such things as gas stations, motor pools, maintenance shops, and research buildings
- Activities resulted in releases of contaminants to the environment



Background

(continued)

- EM Nevada Program established the Industrial Sites activity to remediate identified contaminated sites
- Industrial Sites have included facilities, leach fields, sumps, disposal wells, tanks, contaminated waste piles, ordnance sites, etc.
- Contaminants of concern may include hazardous chemicals, unexploded ordnance, and radionuclides
- Closure completed at 99% of Federal Facility Agreement and Consent Order (FFACO) Industrial Site Corrective Action Sites; 1967 of 1975 total Industrial Sites have been completed



Industrial Sites FY 2024 Wrap Up

- Planned: Complete and submit Closure Report (CR) for Corrective Action Unit (CAU) 578 *Miscellaneous Inactive Sites* to the State of Nevada Division of Environmental Protection (NDEP) – February 2024
 - Status:
 - The final CR submitted to NDEP on February 1, 2024
 - The final CR approved by NDEP on February 26, 2024



Industrial Sites FY 2024 Wrap Up (continued)

- Planned: Continue cultural resource activities in conjunction with Nevada State Historic Preservation Office (SHPO)
 - Status: Activities continued throughout FY 2024



Industrial Sites FY 2024 Wrap Up (continued)

- Planned: Continue FFACO closure activities at Engine Maintenance, Assembly and Disassembly (EMAD) and Test Cell C (TCC)
 - Demolition of the TCC spherical water tank, water tower, and Dewars 4 and 5
 - Status: Demolition of the TCC spherical water tank and water tower was completed and demolition of the Dewars are planned to begin in November 2024



Industrial Sites FY 2024 Wrap Up (continued)

- Demolition of the EMAD water tower
 - Status: Complete
- Demolition of the Trainshed and completion of EMAD roof-top asbestos abatement
 - Status: EMAD roof-top asbestos abatement - Complete; Trainshed demolition is scheduled for October 2024



Demolition of EMAD water tower



Industrial Sites FY 2024

Additional Activities



- EMAD – Removed degraded roof-top chiller unit resolving safety issue and started demolition of the two stacks and external exhaust system
- TCC – Demolished balance of plant systems and Dewar super structure



Industrial Sites FY 2025 Planned Activities

- Continue cultural resource activities in conjunction with SHPO
- Continue FFACO closure activities at EMAD and TCC



Underground Test Area (UGTA) Fiscal Year (FY) 2024 Wrap Up and FY 2025 Planned Activities



John Myers, UGTA Activity Lead

U.S. Department of Energy (DOE)

Environmental Management (EM) Nevada Program

September 11, 2024



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ID 3399 – 9/11/2024
Log No: EMRP-2024-048

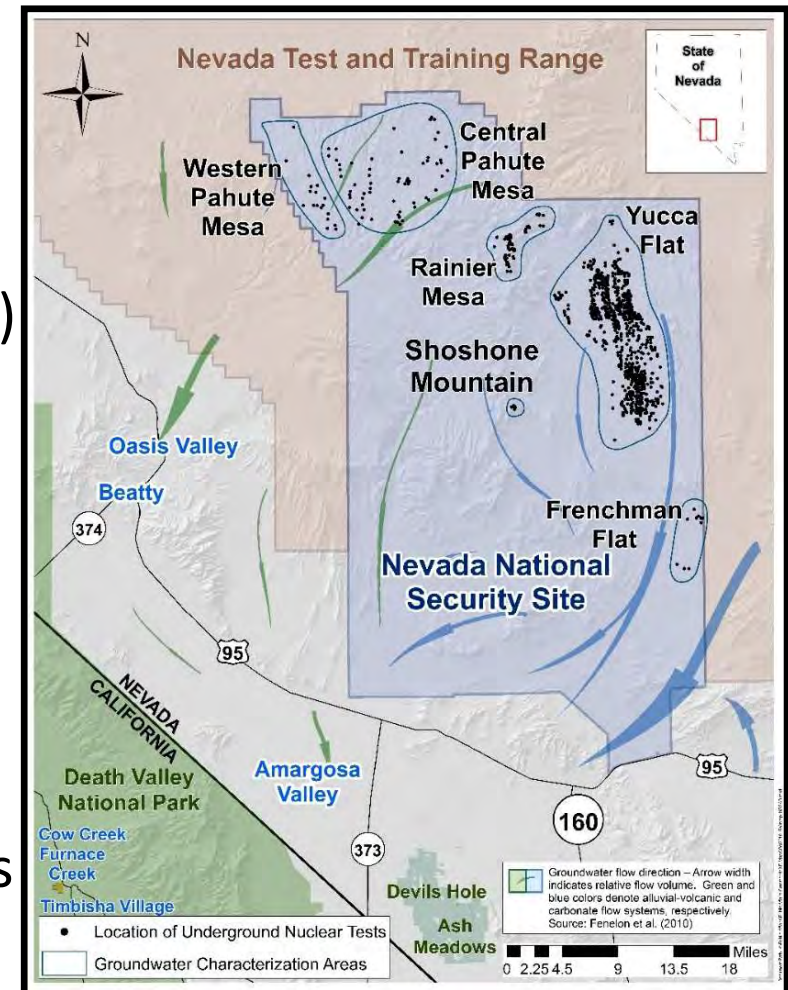
Background

- 828 underground nuclear tests conducted at the Nevada National Security Site (NNSS) from 1951 to 1992
- Underground tests conducted at depths ranging from approximately 90 to 4,800 feet below the ground surface
- One-third of these tests occurred near or below the water table
- Radioactive contamination from testing not detected above the Safe Drinking Water Act maximum contaminant level (MCL) in groundwater beyond federally controlled land



UGTA Corrective Action Units (CAUs)

- There are five CAUs determined by location and geologic conditions that make up the UGTA Activity on the NNSS:
 - Frenchman Flat – 10 sites (CAU 98) – **COMPLETE** (in closure/long-term monitoring)
 - Rainier Mesa/Shoshone Mountain – 66 sites (CAU 99) – **COMPLETE** (in closure/long-term monitoring)
 - Yucca Flat/Climax Mine – 720 sites (CAU 97) – **COMPLETE** (in closure/long-term monitoring)
 - Central and Western Pahute Mesa* – 82 sites (CAU 101/102) (in Corrective Action Decision Document/Corrective Action Plan stage)



**Central and Western Pahute Mesa
are managed as one entity*



UGTA FY 2024 Wrap Up

- Pahute Mesa
 - Planned: Submit Corrective Action Decision Document / Corrective Action Plan (CADD/CAP) to the State of Nevada Division of Environmental Protection (NDEP) – October 2023
 - Status: Submitted October 19, 2023, and approved by NDEP on January 16, 2024
 - Planned: Drill groundwater well ER-20-13 – September 2024
 - Status: Delayed to FY 2025
 - Planned: Drill (deepen) groundwater well ER-20-1 – September 2024
 - Status: Delayed to FY 2025



UGTA FY 2024 Wrap Up (continued)

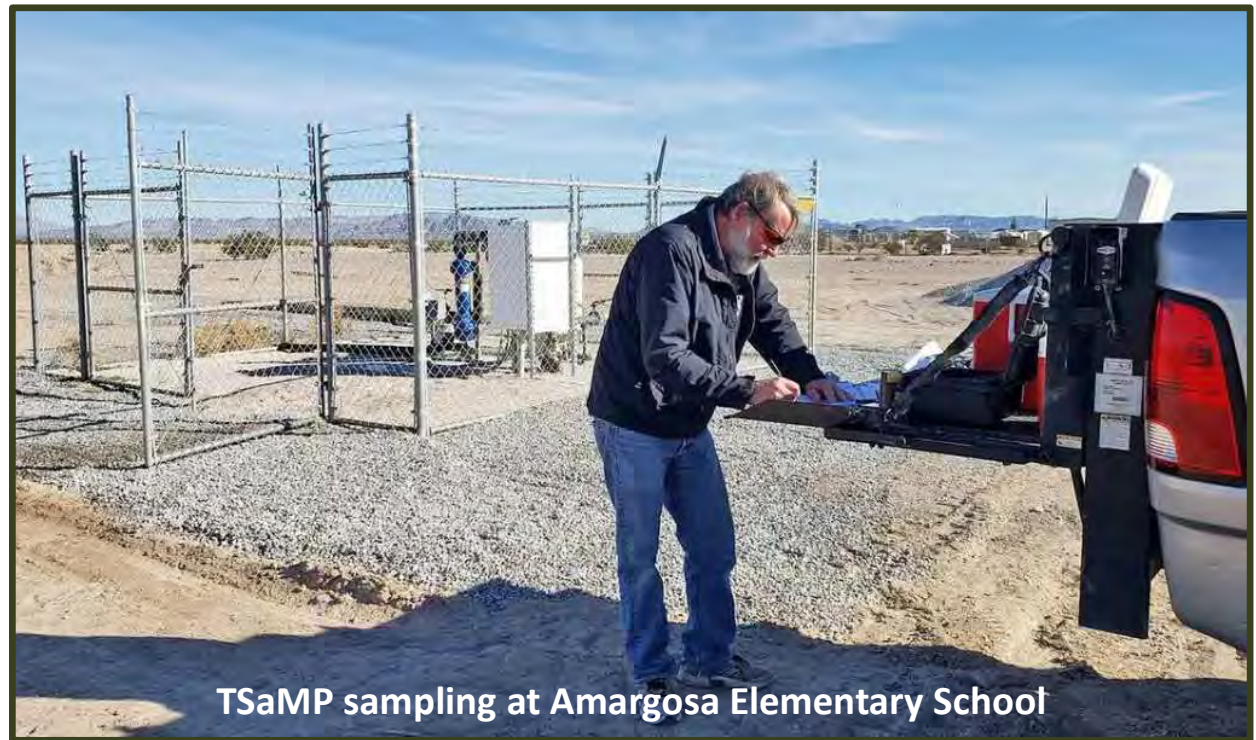


- Planned: Submit Calendar Year (CY) 2023 Annual Sampling Letter Report to NDEP
 - Status: Submitted July 10, 2024



UGTA FY 2024 Wrap Up (continued)

- Planned: Continue funding and support for Nye County Tritium Sampling and Monitoring Program (TSaMP) and internal peer review membership
 - Status: No detectable tritium in TSaMP samples to date



UGTA FY 2024 Additional Activities



- Completed groundwater sampling from 11 zones in Pahute Mesa by September 2024
- Began geophysical survey on Pahute Mesa in August 2024
- Began model evaluation modeling activities identified in the CADD/CAP in spring 2024



FY 2024 NSSAB Work Plan Item

- **Annual Update Presentation for Pahute Mesa Groundwater CAUs** - from a community perspective, provide a recommendation on improvement and/or refinement for the annual update presentation for the Pahute Mesa CAUs prior to presenting to NDEP
- **Status:**
 - NSSAB Recommendation – November 2023
 - EM Nevada Program Response – November 2023
 - Update: NSSAB recommendations incorporated into December 2023 presentation to NDEP



UGTA FY 2025 Planned Activities

- Pahute Mesa
 - Complete geophysical survey (12/30/2024)
 - Drill groundwater well ER-20-13 (9/30/2025)
 - Drill (deepen) groundwater well ER-20-1 (9/30/2025)
 - Continue model evaluation modeling activities identified in the CADD/CAP



ER-20-1 Well Pad



ER-20-13 Well Pad



UGTA FY 2025 Planned Activities (continued)

- Submit CY 2024 Annual Sampling Letter Report to NDEP (8/29/25)
- Continue funding and support for Nye County TSaMP and internal peer review membership



Waste Management Fiscal Year (FY) 2024 Wrap Up and FY 2025 Planned Activities



Tiffany Gamero, Regulatory/FFACO Lead

U.S. Department of Energy (DOE)

Environmental Management (EM) Nevada Program

September 11, 2024



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ID 3400 – 9/11/2024
Log No: EMRP-2024-053

Background

- Cold War-related activities and nuclear research generated waste necessitating a safe disposal option
- DOE is responsible for consolidating and disposing waste generated by clean-up activities and ongoing national security and science missions
- DOE Office of EM Nevada Program oversees acceptance of waste for safe and secure disposal at the Nevada National Security Site (NNSS)
 - The NNSS was chosen due to its isolated location, security, and arid climate
 - Waste disposal ongoing since 1961
 - Independent oversight conducted, in part, by State of Nevada regulators



Waste Management FY 2024 Wrap Up

- Planned: Safely dispose up to 750,000 cubic feet (ft³) of waste at the NNS in FY 2024
 - Status: As of June 30, 2024, the NNS safely disposed 456,985 ft³ of waste and the total volume projections are 766,763 ft³ of waste by the end of FY 2024



Waste Management FY 2024 Wrap Up (continued)

- Planned: Submit Annual Performance Assessment Summary Report to the Low-Level Waste (LLW) Federal Review Group
 - Status: Submitted in March 2024; continues to meet Performance Objectives included in DOE Order 435.1 *Radioactive Waste Management*



LLW cells



Waste Management FY 2024 Wrap Up (cont.)

- Planned: Radioactive Waste Acceptance Program (RWAP) facility evaluations
 - Status: Conducted 44 facility evaluations
 - State of Nevada Division of Environmental Protection (NDEP) participated in 16 of these facility evaluations
 - Status: Conducted the following Verifications
 - 16 mixed LLW
 - 2 onsite LLW
 - 24 LLW real time radiography (RTR)
 - 2 waste profiles



Waste Management FY 2024 Wrap Up (cont.)

- Planned: Continue funding and support for the Emergency Preparedness Working Group (EPWG) grant
 - Status: Provided over **\$16.3 million** in funding through the State of Nevada Division of Emergency Management to Clark, Elko, Esmeralda, Lincoln, Nye, and White Pine counties since FY 2000
 - EM Nevada Program funds the grant based on \$.50 per cubic foot of classified, LLW and mixed LLW disposed at the NNSS
 - Funding provided in accordance with approved grant application and oversight of funding use
 - Priorities for grant funding include consideration for the needs of a county and the resource base available in that county



EPWG funding used to purchase trailer and fire-fighting solution for Nye County Emergency Management



Waste Management FY 2024 Wrap Up (continued)

- Planned: Operationally close and construct disposal cells, as needed
 - Status: Cells 29 and 30 construction complete



Waste Management FY 2024 Wrap Up (continued)

- Planned: Install the new real time radiography (RTR) portal unit
 - Status:
Expected to be operational in FY 2025



RTR portal



FY 2024 Work Plan Status

- **Low-Level Waste (LLW) Visual Verification** - from a community perspective, provide a recommendation for how RWAP's visual verifications could be enhanced

Status

- NSSAB Recommendation
 - Due tonight
- EM Nevada Program Response
 - Pending upon receiving NSSAB recommendation



RWAP team at facility evaluation



FY 2024 Work Plan Status (continued)

- **LLW Facility Evaluations** - from a community perspective, provide a recommendation for how RWAP's facility evaluations could be enhanced

Status

- NSSAB Recommendation
– August 2024
- EM Nevada Program Response
– August 2024
- Status update: EM Nevada Program included a proposed work plan item for FY 2025



NSSAB observation of facility evaluation



FY 2024 Work Plan Status (continued)

- **RTR Operations at the Area 5 Radioactive Waste Management Complex (RWMC) at the NNS** - from a community perspective, provide a recommendation for how RWAP's RTR operations could be enhanced



Status

- NSSAB Recommendation – August 2024
- EM Nevada Program Response – Pending



Waste Management FY 2025 Planned Activities

- Safely dispose up to 750,000 ft³ of waste at the NNSS
- Submit Annual Performance Assessment Summary Report to the LLW Federal Review Group



Area 5 RWMC activities



Waste Management FY 2025 Planned Activities (continued)



- Conduct RWAP facility evaluations
- Continue funding and support for the EPWG grant

EPWG funding used to purchase Esmeralda County ambulance and fire engine



Waste Management FY 2025 Planned Activities (continued)

- Operationally close and construct disposal cells, as needed
- Implement the new RTR portal unit



**Nevada Site Specific Advisory Board (NSSAB) FY 2025 Work Plan
(October 2024 – September 2025)**

Proposed

Work Plan Item 1:	<i>Fiscal Year (FY) 2027 Prioritization</i>
Briefing/Discussion Date:	February 2025
Recommendation Deadline:	February 2025
Description:	<p><u>Background:</u> As part of the federal budget process, the EM Nevada Program must provide funding request information to Environmental Management (EM) Headquarters as it relates to planned FY 2027 activities. In February 2025, the EM Nevada Program will provide briefings on planned FY 2027 activities.</p> <p><u>NSSAB Scope:</u> From a community perspective, the NSSAB will provide a recommendation ranking the planned activities to inform the EM Nevada Program’s budget submission.</p>
Work Plan Item 2:	<i>Annual Nevada National Security Site Environmental Report (NNSSEER)</i>
Briefing/Discussion Date:	January 2025
Recommendation Deadline:	January or February 2025
Description:	<p><u>Background:</u> The annual NNSSEER contains information on all programs and activities conducted in and around the NNS to protect the environment and the public. The EM Nevada Program provides content for the NNSSEER that is primarily included in Chapter 11: <i>Environmental Corrective Actions</i>. This chapter includes corrective actions progress in the Underground Test Area (groundwater) activity, post-closure activities, Industrial Sites and soils, and public outreach. In January 2025, the EM Nevada Program will provide a briefing to the NSSAB that explains the NNSSEER and the Program’s development of Chapter 11. The NSSAB will be provided a link to the document for reviewing Chapter 11 in advance of the briefing.</p> <p><u>NSSAB Scope:</u> From a community perspective, the NSSAB will provide recommendations for ways that Chapter 11 of the NNSSEER could be enhanced (i.e., readability, presentation of information, etc.).</p>
Work Plan Item 3:	<i>Development of an Outline for a Communication Plan for the Transition of Environmental Management (EM) Sites on the Nevada National Security Site (NNS) to Long-Term Stewardship</i>
Briefing/Discussion Date:	June 2025
Recommendation Deadline:	June or September 2025
Description:	<p><u>Background:</u> In June 2025, the EM Nevada Program will provide to the NSSAB an overview briefing on the communication process planned during transition of stewardship of Federal Facility Agreement and Consent Order (FFACO) sites on the NNS; a tentative timeline and a draft Communication Plan outline.</p> <p><u>NSSAB Scope:</u> From a community perspective, the NSSAB will provide a recommendation on specific topics to be included in the final Communication Plan for site transition and how and to whom it should be communicated.</p>

**Nevada Site Specific Advisory Board (NSSAB) FY 2025 Work Plan
(October 2024 – September 2025)**

Proposed

Work Plan Item 4:	<i>Low-Level Waste (LLW) Facility Evaluations</i>
Select NSSAB Observers:	January 2025
Briefing/Discussion Date:	April 2025
Recommendation Deadline:	June 2025
Description:	<p><u>Background:</u> Radioactive Waste Acceptance Program (RWAP) conducts LLW facility evaluations at generator sites throughout the country. These facility evaluations evaluate the generator’s waste program to verify continued compliance with the Nevada National Security Sites Waste Acceptance Criteria (NNSS WAC). Up to two members from the NSSAB will be invited to observe RWAP conducting a LLW facility evaluation. These members will present their observations to the Full Board.</p> <p><u>NSSAB Scope:</u> From a community perspective, the NSSAB will provide recommendations for how RWAP’s facility evaluations could be enhanced.</p>

Work Plan Item 5:	<i>Real Time Radiography (RTR) Operations at the Area 5 Radioactive Waste Management Complex (RWMC) at the Nevada National Security Site (NNSS)</i>
Select NSSAB Observers:	January 2025
Briefing/Discussion Date:	April 2025
Recommendation Deadline:	June 2025
Description:	<p><u>Background:</u> Radioactive Waste Acceptance Program (RWAP) conducts real time radiography (RTR – essentially x-ray technology) on waste containers received by generators across the DOE complex at the Area 5 RWMC. RTR examinations are used to verify compliance with the NNSS Waste Acceptance Criteria for disposal at the NNSS. Up to two members (due to the size of the facility only one member at a time can observe) from the NSSAB will be invited to observe RWAP conducting an RTR evolution. These members will present their observations to the Full Board.</p> <p><u>NSSAB Scope:</u> From a community perspective, the NSSAB will provide recommendations for how RWAP’s RTR operations could be enhanced.</p>

NSSAB SCHEDULE FOR FISCAL YEAR 2025 (OCTOBER 2024 – SEPTEMBER 2025)

Wednesday, October 16, 2024 – Nevada Site Specific Advisory Board (NSSAB) Annual Work Plan Tour at the Nevada National Security Site [NNSS] (full day)

- Tour sites on the NNSS including progress on Engine Maintenance, Assembly and Disassembly (EMAD) Facility, NPTEC/Frenchman Flat, Area 5 Radioactive Waste Management Complex, lunch on the bus, Sedan Crater, Gun Turret, ICECAP, Blue Box for comfort break & view photos. (Joe Johnston, Navarro – tour guide)

Thursday, November 14, 2024 – NSSAB New Member Orientation in Las Vegas, NV (noon – 6 p.m.) Presentations include:

- EM Site-Specific Advisory Board Overview
- NSSAB Overview
- EM Complex Overview
- DOE Nevada Overview
- EM Outreach
- Groundwater (Underground Test Area – UGTA)
- Industrial Sites
- Long-Term Monitoring
- Low-Level Waste Disposal

Wednesday, January 15, 2025 – NSSAB Full Board Meeting in Pahrump, NV (start at 4 pm)

- *Annual NNSS Environmental Report Briefing and Path Forward/Recommendation – Work Plan Item 2* (Tiffany Gamero, DOE)
- Select 2 NSSAB observers for *Low-Level Waste (LLW) Facility Evaluations – Work Plan Item #4*
- Select 2 NSSAB observers for *Real-Time Radiography Operations at the Area 5 Radioactive Waste Management Complex (RWMC) at the NNSS – Work Plan Item #5*
- Update on the EM SSAB National Chairs Fall Meeting (NSSAB Chair and Vice-Chair)
- NSSAB report on EM National Cleanup Workshop held in Arlington, VA
- Update on LLW Stakeholders Forum from Nov. 2024 (NSSAB representative)
- Determine NSSAB attendance (1) for Waste Mgmt Symposia in Phoenix, AZ, Mar 9-13, 2025

Work Plan Item 2:	<i>Annual Nevada National Security Site Environmental Report (NNSER)</i>
Briefing/Discussion Date:	January 2025
Recommendation Deadline:	January or February 2025
Description:	<p><u>Background:</u> The annual NNSER contains information on all programs and activities conducted in and around the NNSS to protect the environment and the public. The EM Nevada Program provides content for the NNSER that is primarily included in Chapter 11: <i>Environmental Corrective Actions</i>. This chapter includes corrective actions progress in the Underground Test Area (groundwater) activity, post-closure activities, Industrial Sites and soils, and public outreach. In January 2025, the EM Nevada Program will provide a briefing to the NSSAB that explains the NNSER and the Program’s development of Chapter 11. The NSSAB will be provided a link to the document for reviewing Chapter 11 in advance of the briefing.</p> <p><u>NSSAB Scope:</u> From a community perspective, the NSSAB will provide recommendations for ways that Chapter 11 of the NNSER could be enhanced (i.e., readability, presentation of information, etc.).</p>

Subject to Change

NSSAB SCHEDULE FOR FISCAL YEAR 2025 (OCTOBER 2024 – SEPTEMBER 2025)

Wednesday, February 19, 2025 – NSSAB Full Board Meeting in Las Vegas, NV (start at 4 pm)

- *FY 2027 Prioritization – Work Plan Item #1* briefing and recommendation development (DOE Activity Leads)
- *Follow-up to Annual NNSS Environmental Report Recommendation if not provided during January NSSAB Meeting – Work Plan Item 2* (Tiffany Gamero, DOE)
- Round Robin development for Environmental Management Site-Specific Advisory Board (EM SSAB) National Chairs Spring Meeting in Hanford, WA
- Determine NSSAB attendance (4) for Devils Hole Workshop in Amargosa Valley – April XXX, 2025 (date TBD)
- Update on LLW Stakeholders Forum from Feb. 2025 (NSSAB representative)

Work Plan Item 1:	<i>Fiscal Year (FY) 2027 Prioritization</i>
Briefing/Discussion Date:	February 2025
Recommendation Deadline:	February 2025
Description:	<p><u>Background:</u> As part of the federal budget process, the EM Nevada Program must provide funding request information to Environmental Management (EM) Headquarters as it relates to planned FY 2027 activities. In February 2025, the EM Nevada Program will provide briefings on planned FY 2027 activities.</p> <p><u>NSSAB Scope:</u> From a community perspective, the NSSAB will provide a recommendation ranking the planned activities to inform the EM Nevada Program’s budget submission.</p>

Wednesday, April 16, 2025 – NSSAB Full Board Meeting in Beatty, NV (start at 4 pm)

- *Low-Level Waste (LLW) Facility Evaluations – Work Plan Item #4* briefing and path forward (Marilew Bartling, Navarro)
- *Real Time Radiography Operations at the Area 5 Radioactive Waste Management Complex (RWMC) at the NNSS – Work Plan Item #5* briefing and path forward (Byron Smith, Navarro)
- [Educational Session](#) on Geophysical Survey Results (John Myers, DOE/Ken Rehfeldt, Navarro)
- NSSAB report on Waste Mgmt Symposia held in Phoenix, AZ

Work Plan Item 4:	<i>Low-Level Waste (LLW) Facility Evaluations</i>
Select NSSAB Observers:	January 2025
Briefing/Discussion Date:	April 2025
Recommendation Deadline:	June 2025
Description:	<p><u>Background:</u> Radioactive Waste Acceptance Program (RWAP) conducts LLW facility evaluations at generator sites throughout the country. These facility evaluations evaluate the generator’s waste program to verify continued compliance with the Nevada National Security Sites Waste Acceptance Criteria (NNSS WAC). Up to two members from the NSSAB will be invited to observe RWAP conducting a LLW facility evaluation. These members will present their observations to the Full Board.</p> <p><u>NSSAB Scope:</u> From a community perspective, the NSSAB will provide recommendations for how RWAP’s facility evaluations could be enhanced.</p>

Subject to Change

NSSAB SCHEDULE FOR FISCAL YEAR 2025 (OCTOBER 2024 – SEPTEMBER 2025)

Work Plan Item 5:	<i>Real Time Radiography (RTR) Operations at the Area 5 Radioactive Waste Management Complex (RWMC) at the Nevada National Security Site (NNSS)</i>
Select NSSAB Observers:	January 2025
Briefing/Discussion Date:	April 2025
Recommendation Deadline:	June 2025
Description:	<p><u>Background:</u> Radioactive Waste Acceptance Program (RWAP) conducts real time radiography (RTR – essentially x-ray technology) on waste containers received by generators across the DOE complex at the Area 5 RWMC. RTR examinations are used to verify compliance with the NNSS Waste Acceptance Criteria for disposal at the NNSS. Up to two members (due to the size of the facility only one member at a time can observe) from the NSSAB will be invited to observe RWAP conducting an RTR evolution. These members will present their observations to the Full Board.</p> <p><u>NSSAB Scope:</u> From a community perspective, the NSSAB will provide recommendations for how RWAP’s RTR operations could be enhanced.</p>

April 21 –24, 2025 – EM SSAB National Chairs Spring Meeting in Hanford, WA hosted by Hanford Site (Chair and Vice-Chair to Attend)

Wednesday, June 18, 2025 – NSSAB Full Board Meeting in Las Vegas, NV (start at 4 pm)

- *Follow-up to Low-Level Waste (LLW) Facility Evaluations – Work Plan Item #4* – NSSAB reports and recommendation development (Marilew Bartling, Navarro)
- *Follow-up to Real Time Radiography Operations at the Area 5 Radioactive Waste Management Complex (RWMC) at the NNSS – Work Plan Item #5* – NSSAB reports and recommendation development (Byron Smith, Navarro)
- *Development of an Outline for a Communication Plan for the Transition of EM Sites on the Nevada National Security Site (NNSS) to Long-Term Stewardship – Work Plan Item #3* briefing and path forward/recommendation (Tiffany Gamero, DOE)
- Notification of Chair/Vice-Chair Elections for FY 2026
- Update on EM SSAB National Chairs Spring Meeting
- Round Robin development for EM SSAB National Chairs Fall Meeting in Las Vegas, NV
- Determine NSSAB attendance (1) for National EM Cleanup Workshop in WDC in Sept 2024 (upon approval)
- Update on LLW Stakeholders Forum from May 2025 (NSSAB representative)

Work Plan Item 3:	<i>Development of an Outline for a Communication Plan for the Transition of Environmental Management (EM) Sites on the Nevada National Security Site (NNSS) to Long-Term Stewardship</i>
Briefing/Discussion Date:	June 2025
Recommendation Deadline:	June or September 2025
Description:	<p><u>Background:</u> In June 2025, the EM Nevada Program will provide to the NSSAB an overview briefing on the communication process planned during transition of stewardship of Federal Facility Agreement and Consent Order (FFACO) sites on the NNSS; a tentative timeline and a draft Communication Plan outline.</p> <p><u>NSSAB Scope:</u> From a community perspective, the NSSAB will provide a recommendation on specific topics to be included in the final Communication Plan for site transition and how and to whom it should be communicated.</p>

Subject to Change

NSSAB SCHEDULE FOR FISCAL YEAR 2025 (OCTOBER 2024 – SEPTEMBER 2025)

Wednesday, July 16, 2025 – NSSAB Pahute Mesa Groundwater Tour at the NNSS (full day)

Tour sites on the NNSS including: USGS Core Library for groundwater drilling briefing in the morning, tour of Pahute Mesa Well Drilling Operations, Landmark Rock – box lunches at Wellpond/Landmark Rock, and T-1/Apple II houses.

Wednesday, September 10, 2025 – NSSAB Full Board Meeting in Las Vegas, NV (start at 4 pm)

- FY 2026 Work Plan Development
- FY 2025 Wrap Up and FY 2026 Look Ahead Briefings for Industrial Sites, Long-Term Monitoring, Waste Management, and Groundwater [Underground Test Area-UGTA] (DOE Activity Leads)
- *Follow-up to Development of an Outline for a Communication Plan for the Transition of EM Sites on the Nevada National Security Site (NNSS) to Long-Term Stewardship – Work Plan Item #3* recommendation due if not provided in June (Tiffany Gamero, DOE)
- Chair/Vice-Chair Elections for FY 2026
- Determine LLW Stakeholders Forum Representative for FY 2026
- NSSAB report on National EM Cleanup Workshop
- Update on LLW Stakeholders Forum from August 2025 (NSSAB representative)

Week of September TBD, 2025 – EM SSAB National Chairs Fall Meeting in Las Vegas, NV

FY 2025 NSSAB Calendar*

October 2024						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Oct 14 - Columbus Day
 Oct 16 - NSSAB Tour - NNSS

November 2024						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Nov 11 - Veterans Day Observed
 Nov 13 LLW Stakeholders Forum Pahr
 Nov 14 - NSSAB Orientation - LV
 Nov 28 - Thanksgiving

December 2024						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Dec 3-5 DOE IG Mtg -LV

January 2025						
S	M	T	W	T	F	S
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5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Jan 1 - New Year's Day
 Jan 15 - NSSAB Mtg - Pahr
 Jan 20 - MLK

February 2025						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

Feb 12 LLWSF LV (tent)
 Feb 17 - Presidents Day
 Feb 19 - NSSAB Mtg - LV

March 2025						
S	M	T	W	T	F	S
						1
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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Mar 9-13 Waste Mgmt - Phoenix
 Mar 17-21 -Spring Break (CCSD)

April 2025						
S	M	T	W	T	F	S
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6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Apr 16 - NSSAB Mtg - Beatty
 Apr 21-24 EM SSAB Chairs HAB
 Apr (TBD) Devils Hole WS

May 2025						
S	M	T	W	T	F	S
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11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

May 14 LLWSF Pahr (tent)
 May 26 - Memorial Day

June 2025						
S	M	T	W	T	F	S
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

June 10-12 RadWaste-Savannah G
 Jun 19 - Juneteenth
 June 18 - NSSAB Mtg - LV

July 2025						
S	M	T	W	T	F	S
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6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

July 4 - Ind Day
 July 16 - Pahute Mesa Drilling Tour

August 2025						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Aug 13 LLWSF LV (tent)

September 2025						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Sep 1 -Labor Day
 Sept 10 - NSSAB Mtg - LV
 Sept (TBD) EM SSAB Chairs - LV
 Sept 22-24 - Natl Cleanup WS (TENT)

*Subject to Change
 Red - NSSAB events Green - Holidays Blue - Conferences/other events