



Nevada Site Specific Advisory Board (NSSAB)

Full Board Meeting Beatty Community Center Beatty, Nevada

4:00 p.m. – April 17, 2024

- Members Present:** Lisa Blandi, John Cole, Gary Elgort, Anthony Graham (Chair), Mark Hilton (Vice-Chair), Bruce Jabbour, Dan Peterson, Janice Six, Kevin Trainor, Eddie Williams
- Members Absent:** Erik Anderson, Joycelyn Austin-Mabe, Favil West
- Liaisons Present:** Richard Arnold (Consolidated Group of Tribes and Organizations [CGTO]), Andrew Bennett (Clark County), Frank Carbone (Nye County Commission), Scott Lewis, Frank Bonesteel and Patrick Lazenby (Nye County Emergency Management [NCEM]) John Klenke (Nye County Natural Resources and Federal Facilities Office [NRFFO]), Justin Costa Rica (State of Nevada Division of Environmental Protection [NDEP]), Bill Wolf (White Pine County Commission)
- Liaisons Absent:** Varlin Higbee (Lincoln County Commission)
- U.S. Department of Energy (DOE):** **Environmental Management (EM) Nevada Program:** Tiffany Gamero (Deputy Designated Federal Officer [DDFO]), Jhon Carilli, John Myers
National Nuclear Security Administration/Nevada Field Office (NNSA/NFO): John Daniels, Kathryn Gladden
- Government Contractors:** **Navarro Research and Engineering, Inc. (Navarro):** Avian Blumhorst, Tim deBues, Irene Farnham, Grant Johnson, Kevin Knapp, Patty Mahony, Dona Murphy, Ken Rehfeldt, Barbara Ulmer
Desert Research Institute (DRI): Chuck Russell
U.S. Geological Survey (USGS): Jeff Sanchez
- Members of the Public and Media Signed In:** Dee Crawford, Jessica Eastman, Erika Gerling, Pam Handor, Joannie Jarvis, Frank Jarvis, Patrick MacRae, Tammi Odegard, Diane Path (Lincoln County Commissioner) Wayne Barber (Exchange Monitor)

Open Meeting

Chair Anthony Graham welcomed everyone to the meeting, including NSSAB members, liaisons, and members of the public. He thanked the community of Beatty, Nevada for its hospitality. Chair Graham encouraged NSSAB members to ask questions of the presenters and to provide recommendations to the EM Nevada Program. Member Dan Peterson moved to approve the draft agenda. The motion was seconded and passed unanimously.

Public Comment

The following public comment was provided by NSSAB Member Gary Elgort from Mesquite, Nevada:

I would like to make a request to, I guess, EM Headquarters that we get these briefings released a day or two before the meeting rather than ten hours before the meeting. It gives the Board very, very little time to review these slides and come up with any questions. I had a busy day today and didn't even get to look at them, and I usually try to go through them and think about my questions beforehand, but getting them ten hours before the meeting, or nine and a half hours before the meeting, is kind of unacceptable in my view. I would really appreciate it if Headquarters could release them to the NSSAB Office a little bit sooner.

Liaison Updates

Clark County (*Andrew Bennett*)

Liaison Andrew Bennett introduced himself as the Director for the Clark County Office of Traffic Safety that includes responsibility for the county's nuclear policy priorities. His office reviewed the Request for Qualifications that was released by the DOE and NNSA for clean energy projects on the Nevada National Security Site (NNSS). His staff attended the Radioactive Waste Management DOE Order 435.1 webinar held on April 3rd. Liaison Bennett received confirmation from the EM Nevada Program that they are working to support blackout dates related to special events in Clark County, such as the Formula 1 race scheduled the week before Thanksgiving. He added there may be additional events added for a debate as it is an election year. His office will provide information to the EM Nevada Program as soon as there is confirmation of a U.S. Department of Homeland Security Level 2 or higher national security event.

Clark County staff listened in on a House Energy and Commerce Committee hearing, *American Energy Nuclear Expansion: Spent Fuel Policy and Innovation*, on April 10th in Washington, DC. He commented that there was much discussion on the direction that the country is taking for determining a long-term storage solution for high-level radioactive waste and again, Clark County is disappointed that the conversation still surrounds Yucca Mountain. Representatives from Clark County are in ongoing conversations with its congressional delegation to ensure that Clark County stays aware regarding any conversation at the federal level. Liaison Bennett concluded that his office will be represented at an online meeting of the State of Nevada Office of the Governor – Agency for Nuclear Projects on April 24th. Additional information can be accessed at <https://anp.nv.gov>.

CGTO (*Richard Arnold*)

Liaison Richard Arnold reported that the CGTO has been involved in the DOE Clean Energy Summit held recently on a Reservation in California. This summit sets the standard or the baseline for information provided for and shared by Tribal people. Information was provided on DOE clean energy initiatives by commercial developers for a potential solar array in Area 22 near the entrance of the NNSS. This power would be used by the surrounding communities.

Liaison Arnold noted that the Annual Tribal Meeting was held April 2-4 at DRI. EM Nevada Program's Tiffany Gamero and Chris Andres from NDEP provided a presentation on the Federal Facility Agreement and Consent Order (FFACO) and the monitoring requirements therein. EM Nevada Program's John Myers conducted an interactive session on the Underground Test Area (groundwater). Robert Boehlecke, EM Nevada Program Manager, conducted an overview of the NNSS Waste Acceptance Criteria and activities at the Area 5 Radioactive Waste Management Complex (RWMC). The CGTO plans to discuss options to replicate a groundwater open house like the one hosted regularly by the EM Nevada Program. Other sessions during the Annual Tribal Meeting included activities of the DOE Office of Legacy Management, updates on the biological resources on the NNSS, and updates on the activities on the Nevada Test and Training Range. Several recommendations resulted from the meeting, including a recommendation for continued presence of EM Nevada Program staff at these meetings.

He stated that EM Headquarters is undergoing a reorganization that moves interactions with states, Tribes, and local governments from the Office of Regulatory & Policy Affairs to Communications & Stakeholder Engagement. At this time, he is unsure of the impacts, and he will provide future updates. Liaison Arnold concluded that the spring meeting of the State and Tribal Governments Working Group (STGWG) will be held May 6-9 in Santa Fe, NM, and the National Transportation Stakeholders Forum will be June 3-6 in Denver, CO.

NDEP (*Justin Costa Rica*)

Liaison Justin Costa Rica reported that Christine Andres is currently representing the State of Nevada at a Federal Facilities Task Force Meeting in Oak Ridge, TN. He noted that NDEP will be welcoming a new staff member at the end of May 2024 who is graduating from the University of Las Vegas, Nevada. Liaison Costa Rica noted that the U.S. Environmental Protection Agency (EPA) released revised regulations for the open burning and detonation of waste explosives. These proposed revised regulations could impact two sites in Nevada, the NNSS and Hawthorne Air Force Base. NDEP staff will be participating in a webinar tomorrow reviewing the regulations and the impacts.

Lincoln County Commission (*Diane Path*)

Diane Path introduced herself as a new Lincoln County Commissioner.

Nye County Commission (*Frank Carbone*)

Liaison Frank Carbone had nothing new to report.

NCEM (*Scott Lewis*)

Liaison Scott Lewis updated that equipment has been ordered for the F-500 Task Force using Emergency Preparedness Working Group (EPWG) grant funding, and NCEM expects delivery in the June 2024 timeframe. Additional information on EPWG grant can be accessed [here](#). The F-500 is an encapsulant agent that removes heat trace on a molecular level, so it is more

effective than foam alone, and it does not require as much water. NCEM is excited about this project as it will be useful especially in remote areas, including Highway 95, where NCEM will not need to use as much water to mitigate difficult-to-extinguish fire hazards. Liaison Lewis extended an invitation to the 40th anniversary of Ash Meadows National Wildlife Refuge this Saturday. About two weeks ago, an inquiry was made regarding a radioactive waste truck/trailer travelling through Pahrump, NV, escorted by the Nevada State Police. Liaison Lewis requested additional information regarding this transport.

NRFFO (John Klenke)

Liaison John Klenke commented that Nye County has always been concerned about contaminated groundwater movement from the NNSS and understands that the Pahute Mesa Corrective Action Unit (CAU) is moving quickly toward closure. With the new development of private enterprises potentially pumping offsite, it raises the question whether this could affect the boundary conditions of the model. Liaison Klenke continued that it is the county's desire that DOE and AngloGold Ashanti keep in communications regarding the data currently collected under the large-scale pump test and future pumping for potential gold mining. Liaison Klenke noted that it is Nye County's hope that these organizations continue to communicate so any impacts can be evaluated as it relates to the Pahute Mesa Flow and Transport Model. Under current conditions, research and modeling forecasts show contaminated groundwater will not reach public water supplies.

White Pine County Commission (Bill Wolf)

Liaison Bill Wolf had nothing new to report.

NNSA/NFO Update (John Daniels, NNSA/NFO Federal Public Affairs Officer and Kathryn Gladden, Program Liaison for EM)

Mr. John Daniels and Ms. Kathryn Gladden had nothing new to report.

U.S. DOE Update (Tiffany Gamero, DOE)

DDFO Tiffany Gamero reported on the following DOE EM Nevada Program updates:

- **Fiscal Year (FY) 2024 Budget:** Congress recently passed the FY 2024 budget. EM Nevada Program funding was enacted at \$73 million, including \$11.4 million for accelerating decontamination and demolition (D&D) work at the Engine Maintenance, Assembly & Disassembly (EMAD) facility. This allows the Program to avoid any demobilization of the work force while continuing to work on both EMAD and Test Cell C (TCC). The receipt of these acceleration funds is great news for the EM Nevada Program.
- **Industrial Sites Activity:** The Industrial Sites team is continuing work on the planned demolition and cleanup of the trainshed and two exhaust stack structures at the EMAD facility. Work to demolish and dispose of this infrastructure is expected to commence in May 2024. In addition, the Industrial Sites team is carrying out preparation and planning for the demolition of two small and two large liquid hydrogen dewars and associated structures, systems, and components at TCC. This work is scheduled to start in May 2024 and be completed by August 2025.

- **Underground Test Area (UGTA) Activity:** During the last meeting, the NSSAB was updated on the details of delays in drilling two wells on the Pahute Mesa. The UGTA team continues to make progress on the Pahute Mesa model evaluation that includes planning to conduct geophysical surveys in late summer 2024 and well drilling in early summer 2025.
- **Radioactive Waste Acceptance Program (RWAP):** In February 2024, RWAP posted its updated Administrative Waste Acceptance Criteria (WAC) that met an EM Nevada Program yearly milestone. The document includes the requirements, terms, and conditions under which the NNSS will accept waste, and that translates into waste acceptance that is compliant with applicable federal and state regulations, DOE directives, permits, etc. The NNSS WAC, both the Administrative WAC and Technical and Regulatory WAC, can be accessed [here](#).
- **Real Time Radiography (RTR) Update:** The new RTR scanner is being tested and one step closer to securing this important tool for scanning shipments at Area 5 RWMC. In FY 2022, the EM Nevada Program received an additional \$15 million to support enhanced waste verification activities at Area 5 RWMC, allowing for scanning of larger waste packages. Procurement is ongoing and the Program received news recently that factory acceptance testing was being performed at a factory in California. Site preparation documents from the contractor are expected this month. Support buildings are installed in place at Area 5 RWMC. Power system upgrades are being tested at a facility in Georgia, so installation at the NNSS is planned for mid-July 2024.
- **Annual Tribal Meeting:** On April 2-4, the EM Nevada Program staff participated in meetings along with a site visit by Tribal partners as part of the 2024 Tribal Update Meeting. Tiffany Gamero, EM Nevada Program, and Christine Andres, NDEP, conducted a presentation on the FFACO. The UGTA activity was summarized by John Myers and Robert Boehlecke gave an overview of RWAP.
- **Waste Management Symposia 2024:** A contingent of EM Nevada Program, Navarro, and Mission Support and Test Services (MSTS) employees attended the 50th anniversary Waste Management Symposia in March 2024. During the conference, Rob Boehlecke, Program Manager for EM Nevada Program, participated in a panel discussion called *Update of the DOE EMCBC (Consolidated Business Center) Sites* that provided comprehensive updates on work progress at sites across the EM complex. Ken Rehfeldt, Navarro's UGTA project manager, gave a presentation called *Radionuclide Migration Monitoring at the NNSS*. The presentation was during the panel, *Monitoring Challenges at DOE Sites: Regulatory and Site Perspectives*. Navarro Strategic Communications Manager Glenn Puit gave a presentation called *EM Communications in Rural Nevada Communities* as part of the panel, *Communication Enhancing Tools for Cleanup Decision Making*. The presentation focused on the efforts the strategic communications team carried out for the Groundwater Open House events held in Amargosa Valley and Beatty, Nevada, in years past. The presentation also examined the social media and outreach efforts carried out in rural towns. In addition, the EM Nevada Program unveiled a new booth display at the conference exhibit hall.

The booth featured a new banner, new pop-up posters, new table sleeves and other materials.

In response to Board questions, the following clarifications were provided regarding the U.S. DOE update:

- The UGTA team is replanning for the drilling of the two wells next year in the early summer timeframe. The procurement process for a drilling company has not yet begun for this campaign. The driller that withdrew this fiscal year will have the opportunity to submit a bid.
- NOTE – this information is being provided after the meeting in response to a question regarding the planned demolition of the remaining TCC dewars: The liquid hydrogen dewars at TCC will be sized reduced and packaged as industrial waste in their installed position from the top down. Associated structures, systems, and components will be first stripped from each hydrogen dewar exposing the dewar outer shell for clear access. The outer shell consists of 5/8” thick carbon steel and will be sized reduced in segments by a combination of water jet (50,000 psi) and thermal cutting with gas fueled torches. As the inner sphere, the actual liquid hydrogen tank, is exposed, the 1-7/8” thick stainless steel will be sized reduced with water jet technology and rigged to the ground in the largest segments possible. Ground-based crews will further size reduce the stainless steel by either water jet or thermal cutting using oxy-lance technology. All segments will be loaded onto transport for Area 9 U10c industrial waste disposal.
- Radioactive waste, including asbestos, resulting from the demolition of the trainshed at the EMAD facility will be transported and disposed of at Area 5 RWMC at the NNSS. If the waste is LLW and has a hazardous component and meets the NNSS WAC, it will be disposed of in the Resource Conservation and Recovery Act (RCRA) mixed low-level waste cell at the Area 5 RWMC.
- Located at the EMAD Facility, the final disposition of the locomotives and the Manned Control Car (MCC) and Engine Installation Vehicle (EIV), historic pieces of rolling stock that were used to support the Nuclear Rocket Development Station, has not been determined by DOE. The EM Nevada Program is working with the Nevada Southern Railway Museum in Boulder City, Nevada, to determine if it is feasible to move them permanently to the museum.

Other NSSAB Business *(Anthony Graham, Chair)*

DOE Radioactive Waste Management Overview Course on DOE Order 435.1

Vice-Chair Mark Hilton reported that he, along with Members Peterson and Eddie Williams, participated earlier this month in a webinar for DOE Radioactive Waste Management Overview course on DOE Order 435.1. The webinar was hosted by the Low-Level Waste (LLW) Disposal Facility Federal Review Group, DOE – EM Regulatory Compliance and Waste Disposal Offices. Vice-Chair Hilton commented that the webinar was very educational and relevant to the mission of an NSSAB member. The information included legislative history, material and waste definitions, DOE regulation and oversight, generator responsibilities, receiving facilities responsibilities, and waste specifics. After the webinar, the NSSAB Office emailed the PowerPoint slides used by the presenters to the Board.

In support of this agenda item, Jhon Carilli, EM Nevada Program's LLW Activity Lead, and Avian Blumhorst, Navarro RWAP, attended the webinar and were available to answer NSSAB questions during the meeting regarding the webinar. In response to a Board question, the following clarification was provided: LLW Class A, B, and C are waste classifications used by the U.S. Nuclear Regulatory Commission (NRC). These waste classifications are not used by DOE; therefore, not included in DOE Order 435.1.

NSSAB Report on Waste Management Symposia

Chair Graham informed the Board that Member Joycelyn Austin-Mabe is not available to give her update on the Waste Management Symposia tonight. She will prepare a written report on the highlights of her attendance at the conference that will be emailed to the membership.

Transfer Process of EM Sites on the NNSS to Long-Term Stewardship – Work Plan Item #5 (Tiffany Gamero, DOE)

- **NSSAB – Work Plan Item #5**
 - From a community perspective, the NSSAB will provide a recommendation on specific topics to be included in the final Site Transition Plan and how and to whom it should be communicated
 - NSSAB recommendation is due in July 2024
- **EM Nevada Environmental Restoration Mission Nears Completion**
 - EM Nevada Program's FFACO commitments are almost complete:
 - Offsites: complete, stewardship transferred to DOE Office of Legacy Management (LM) in 2006
 - Soils: environmental restoration and closure completed in 2019
 - Underground Test Area (UGTA): three corrective action units (CAUs) closed, only Pahute Mesa remaining
 - Industrial Sites: only eight sites remain at Test Cell C (TCC) and Engine Maintenance, Assembly and Disassembly (EMAD) facilities
 - Remaining FFACO commitments at the NNSS will be completed within the next decade (approximately 2031*):
 - CAUs 101/102 Pahute Mesa (UGTA)
 - EMAD (Industrial Sites)
- **Long-term Stewardship**
 - Some Soils and Industrial Sites (approximately 150) are closed in place and require post-closure monitoring and maintenance
 - Closed UGTA (groundwater) sites require post-closure monitoring and sampling
 - Even sites that are clean closed will need to have records maintained
 - Normal process when EM is done with environmental restoration and closure is to transfer responsibility to another DOE entity for long-term stewardship
 - EM must transfer responsibility; possibilities include:
 - Existing DOE lead program at site
 - If no DOE entity remains at site, LM will assume responsibility
 - LM is responsible for ensuring that DOE's post-closure responsibilities are met for sites that no longer have a continuing DOE mission
- **Past Examples**
 - FFACO Offsites:

- Project Shoal, Central Nevada Test Area
 - No DOE lead program
 - Transferred to LM in 2006
- FFACO sites on the Tonopah Testing Range/Nevada Test and Training Range:
 - 70 Soils and Industrial Sites
 - U.S. Air Force is owner
 - Transferred to LM in 2020
- **FFACO Transition Planning**
 - EM Nevada Program is beginning to plan for eventual transition to another DOE long-term steward for sites on the NNSS
 - Long-term steward is not yet identified by DOE
 - Site Transition Plan development has begun
 - Bilateral document identifying the actions required to transfer long-term stewardship responsibilities between DOE entities
 - Project Closeout and Transition Plan Checklist development begun
 - Intended to help guide transition planning
 - FFACO Transition Working Group meets monthly including:
 - National Nuclear Security Administration Nevada Field Office
 - LM
 - EM Nevada Program
 - EM Headquarters
- **Next Steps/Timeline**
 - A Site Transition Plan is typically developed two years in advance of transfer
 - With over 3,000 FFACO sites, beginning the process earlier seems prudent
 - Draft Site Transition Plan has been slowly developed over the last two years
 - Project Closeout and Transition Plan Checklist
 - Draft in development
 - Decision to be made on a long-term steward
 - TBD
- **Site Transition Plan**
 - Planned format mirrors the Site Transition Plan for the transition of the Tonopah Test Range Sites from EM to LM
 - Draft outline developed
 - Living document to capture information as identified
 - Sections will be completed as appropriate while subject matter expertise is available
- **Site Transition Plan Table of Contents**
 - List of Figures, Tables, Acronyms
 - 1.0 Introduction
 - 1.1 Site Location and History
 - 1.2 Scope
 - 1.3 Objectives
 - 2.0 Site Transition Framework
 - 2.1 Authorities and Accountabilities
 - 2.2 Site Conditions
 - 2.3 Milestones, Key Assumptions, and Potential Risks
 - 2.4 Engineered Controls, Operation and Maintenance Requirements, and Emergency/Contingency Planning

- 2.5 Institutional Controls, Real and Personal Property, and Enforcement Authorities
- 2.6 Regulatory Requirements and Authorities
- 2.7 Long-term Surveillance and Maintenance Budget, Funding, and Personnel
- 2.8 Information and Records Management
- 2.9 Public Education, Outreach, Information, and Notice
- 2.10 Natural, Cultural, and Historical Resource Management
- 2.11 Closure Functions, Pension and Benefits, Contract Closeout or Transfer
- 3.0 Transfer of Sites
 - 3.1 Readiness
- 4.0 References
- **Key Messages**
 - Planning for EM Nevada Program environmental restoration mission completion is underway
 - FFACO sites on the NNSS with post-closure requirements will need a DOE entity to continue monitoring, maintenance, sampling, and reporting; all FFACO sites will need recordkeeping
 - Long-term steward not yet identified
 - Site Transition Plan, in development over next several years, will guide the transfer
 - Plan will include:
 - Regulatory agreements
 - Authorities
 - Milestones
 - Records management
- **NSSAB Path Forward– Work Plan Item #5**
 - From a community perspective, the NSSAB will provide a recommendation on specific topics to be included in the final Site Transition Plan and how and to whom it should be communicated
 - NSSAB recommendation is due in July 2024

In response to Board questions, the following clarifications were provided regarding the work plan presentation:

- All FFACO closures, including long-term monitoring and sampling, on the NNSS are tailored to a long-term use of a specific site based on a land-use scenario. If a land-use scenario should change for whatever reason in the future, the closure of the site would be reviewed to ensure that it still meets all requirements.
- The Site Transition Plan includes budget authority to ensure that the funding required to perform long-term stewardship activities transfers to the long-term steward determined for the NNSS. If NNSA/NFO does not assume implementation of the Site Transition Plan, it is NNSA policy that it would be responsible for the funding of the transition as the NNSS landlord.
- In the table of contents of the Site Transition Plan, Section 2.9 *Public Education, Outreach, Information, and Notice* will include considerations for public information and notices.
- In the table of contents of the Site Transition Plan, Section 2.10 *Natural, Cultural, and Historical Resource Management* will include the history of the FFACO and the documentation for how each of the sites were closed, so that the long-term steward can appropriately manage these sites. All environmental restoration records related to each specific closed site will also be transferred to the long-term steward determined for the

NNSS. (As a reminder, FFACO-related records are, per the Agreement, transmitted to both the [Nevada State Library & Archives](#) as well as the [Nuclear Testing Archives](#), and transitioning FFACO sites to another long-term steward does not mean retrieving the FFACO records from those repositories. The records that are transitioned to a new long-term steward are those that are maintained by Navarro.)

- It has not yet been determined if the final Site Transition Plan will be posted online for the public.
- The FFACO it is a regulatory agreement between the DOE, NDEP, and the U.S. Department of Defense that documents responsibilities and actions required to be taken for closed FFACO sites.
- The responsibility for emergency management is maintained by NNSA/NFO as the NNSA landlord and will continue after the EM mission in Nevada is completed.
- The Site Transition Plan documents the transfer of long-term stewardship of FFACO closed sites to another DOE entity. Any requirements for an FFACO site, such as monitoring, sampling, inspections, reporting, and maintenance, etc., that are contained in separate closure reports/documents remain as obligations for the long-term steward determined for the NNSA.
- The National Archives and Records Administration (NARA) is an independent federal agency that is charged with collecting, caring for, and making publicly available U.S. federal government records.

Chair Graham led Board discussion on work plan item #5 with a potential recommendation provided by members during the meeting on specific topics to be included in the final Site Transition Plan and how and to whom it should be communicated:

- Potential recommendation: the NSSAB recommends that the EM Nevada Program include in the Site Transition Plan, Section 2.9 *Public Education, Outreach, Information, and Notice*, that a citizens' advisory board or similar entity to the NSSAB be created and supported by the future long-term steward of the NNSA.

Member Gary Elgort made a motion that the potential recommendation listed above be submitted to the EM Nevada Program as a recommendation. The motion was seconded. After Board discussion, the motion passed unanimously.

Member Elgort made a motion to end discussion on work plan item #5. The motion was seconded. After Board discussion, the motion passed unanimously.

DDFO Gamero thanked the NSSAB for its interest, consideration, and questions regarding work plan item #5. She added that the NSSAB's input and recommendations are appreciated and important to the EM Nevada Program. The NSSAB Office will draft the NSSAB recommendation letter and submit it to the EM Nevada Program for its consideration and response.

Educational Session: Pahute Mesa Flow and Transport Model (Tim deBues, Navarro)

The NSSAB was provided with an educational session on the Pahute Mesa Groundwater Flow and Transport Model. Time was scheduled for the Board to interact and ask questions regarding the educational session of the EM Nevada Program staff. The PowerPoint slides used for the educational session can be accessed [here](#).

In response to Board questions, the following clarifications were provided regarding the educational session:

- In Pahute Mesa, the plumes from nuclear testing that UGTA has observed are very deep. Some chimneys intersect multiple aquifers; therefore, allowing for a greater opportunity for radionuclides to migrate.
- The maximum contaminant level is 20,000 picocuries per liter per the Safe Water Drinking Act. The detection limit is 300 picocuries per liter.
- Any closure requirements for Pahute Mesa will transfer to the long-term steward determined for the NNSS.
- The 15 radionuclides of concern were selected if either groundwater sampling or the screening model indicated 100-year persistence above 10% of the Safe Drinking Water Act (SDWA) standard. Contributing factors to the persistence above 10% of the SDWA standard include the radionuclide's half-life and its ability to bond onto rocks, which retards transport.
- Earthquakes and large offsite water pumping by private enterprises could alter the groundwater flow. The UGTA team continues to monitor water levels, radionuclides levels, etc. After significant snow accumulations melt in the spring, the UGTA team has recorded water level increases in some wells on Pahute Mesa.

Meeting Wrap-Up and Adjournment

Upcoming calendar of events:

- Devils Hole & Beyond Workshop – Longstreet Inn, Amargosa Valley, NV – April 25-27, 2024
- EM Site-Specific Advisory Board Spring National Chairs' Meeting – Chillicothe, OH – April 29-May 2, 2024
- LLW Stakeholders Forum – Molasky Corporate Center, Las Vegas, NV at 1-3 p.m. (invite only) – May 15, 2024
- NSSAB Liaison Intergovernmental meeting – Molasky Corporate Center, Las Vegas, NV at 3 p.m. – July 17, 2024
- NSSAB Full Board meeting – Molasky Corporate Center, Las Vegas, NV at 4 p.m. – July 17, 2024

Member Peterson made a motion to adjourn the meeting. The motion was seconded and passed unanimously. The meeting was adjourned at 7:20 p.m.