

Nevada Site Specific Advisory Board (NSSAB)

Full Board Meeting - Wednesday, February 21, 2024

Handouts...

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



Round Robin Guidelines

- During the EM SSAB National Chairs' Meeting, each of the 8 local boards has five (5) minutes and one (1) slide to present to EM Headquarters leadership as part of the Round Robin agenda item
- Things to remember/consider:
 - This is your opportunity to speak directly to leadership regarding what is important to the Board
 - Leadership is already aware of the site's accomplishments
 - Highlight the Board's top interest/concern and/or Board's accomplishment

Fiscal Year (FY) 2026 Prioritization Work Plan Item #1



U.S. Department of Energy (DOE)
Environmental Management (EM)
Nevada Program
February 21, 2024



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ID 3343 – 2/21/2024
Log No: EMRP-2024-009

Tonight's Path Forward

- **Overview**
- Ranking process explanation
- Briefing of each task (five [5] tasks total)
 - Waste management disposal
 - Post-closure monitoring
 - Industrial Sites
 - Stakeholder support
 - Groundwater characterization
- Group discussion
- Individual rankings
- Prioritization tallying
- Vote on final recommendation



Overview



Andrew Weber
Lead Project Controls Specialist
EM Nevada Program



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EM Nevada Program Baseline

Utilized by EM Nevada Program to support life-cycle planning to execute its mission

- Three (3) major components make up the baseline
 - **Scope of work:** Description of all work elements that must be accomplished
 - **Budget:** Estimated cost to accomplish scope of work
 - **Schedule:** Timeline and prioritization of scope of work

Elements identified in EM Nevada Program baseline are fully integrated



EM Nevada Program Baseline Planning Considerations

- Annual funding
 - Scope is prioritized to maximize amount of work that can be accomplished
- Scope uncertainties
 - Risk analysis performed to account for cost and schedule impacts associated with unknowns, such as: extreme weather, subsurface conditions, extent of contamination, etc.



EM Nevada Program Baseline Maintenance

- Performance against the baseline
 - Contractors report monthly performance status to EM Nevada Program, where it is integrated and analyzed, then compared against baseline plan
- Baseline changes
 - Changes to baseline are required periodically to account for addition or deletion of scope, scientific strategy changes, or contract modifications



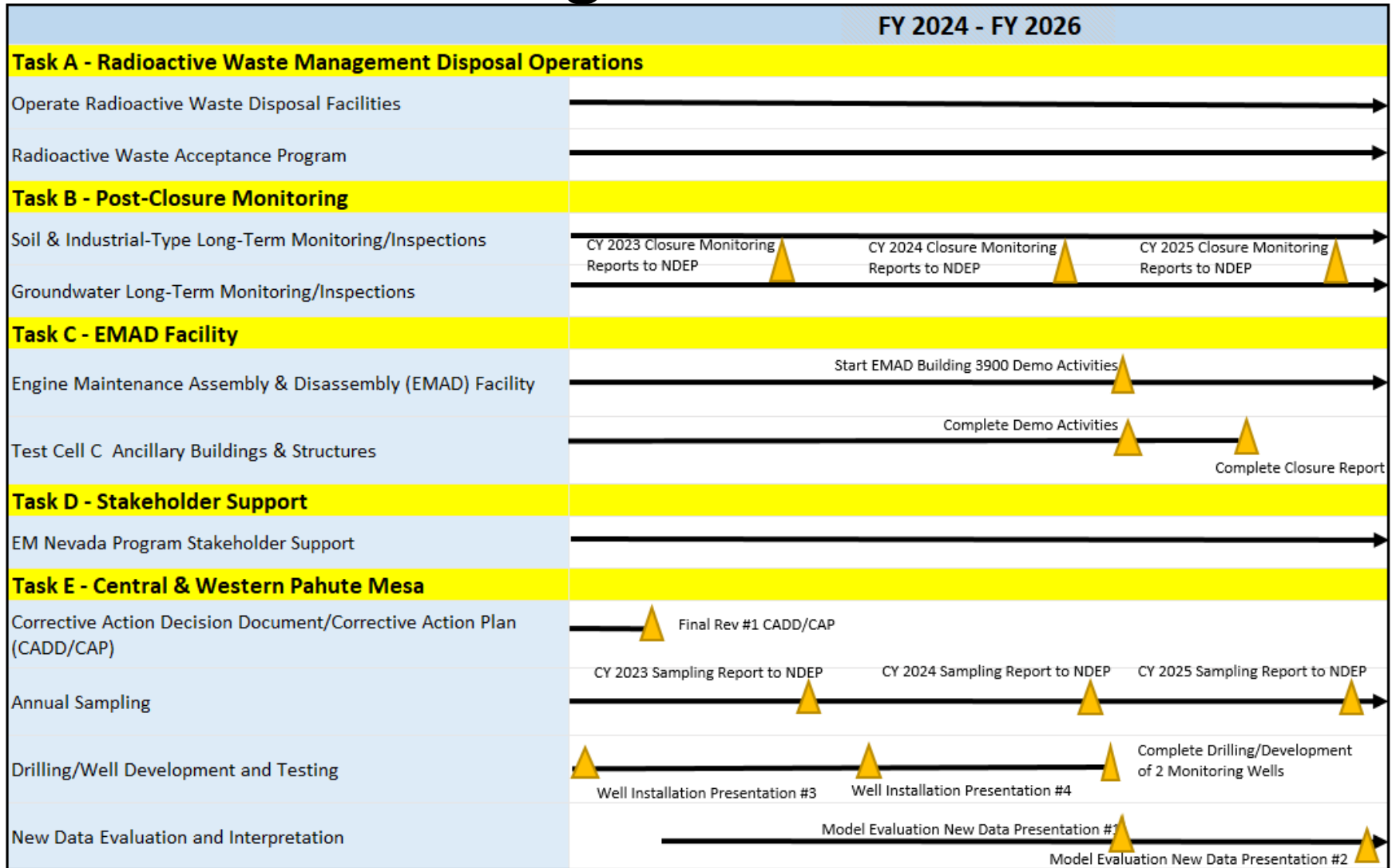
Federal Budget Process



Example of DOE budget planning timeline



EM Nevada Program Baseline Schedule



▲ Federal Facility Agreement and Consent Order (FFACO) and Other Programmatic Milestones
 Calendar Year (CY)

Corrective Action Decision Document/Corrective Action Plan (CADD/CAP)
 State of Nevada Division of Environmental Protection (NDEP)



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NSSAB Prioritization Worksheet

Name _____

Individual Ranking*	Task	Title	Notes
	A	Radioactive Waste Management Disposal Operations	
	B	Post-Closure Monitoring	
	C	EMAD Facility	
	D	Stakeholder Support	
	E	Central & Western Pahute Mesa	

*Rank from 1 - 5 with 1 as your highest priority and 5 being your lowest priority
 Note: Use each number only once



Waste Management Disposal Task



Jhon Carilli

Low-Level Waste (LLW) Activity Lead
EM Nevada Program



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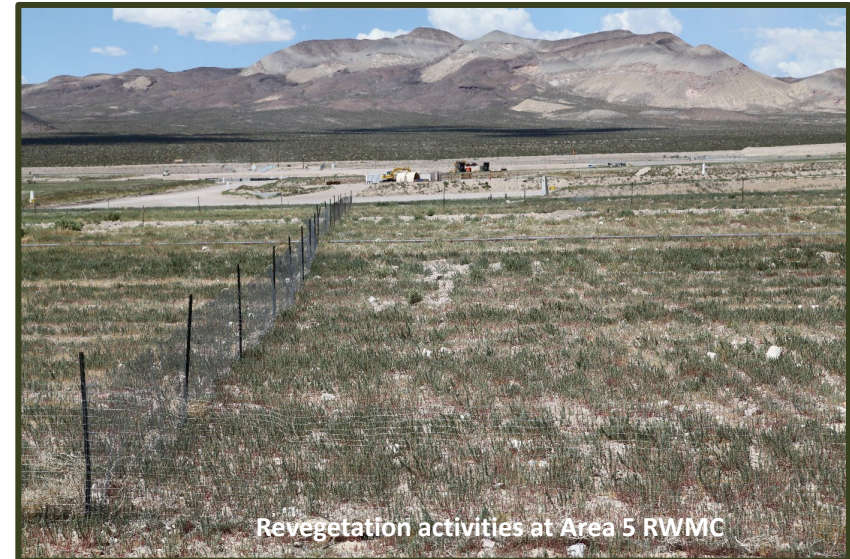
Task A – Radioactive Waste Management Disposal Operations

- Descriptions:
 - Maintain capability to safely receive and dispose approximately 750,000 cubic feet per year of LLW, mixed LLW, and classified waste from on-site and off-site generators
 - Continue environmental monitoring activities



Task A – Radioactive Waste Management Disposal Operations (continued)

- Construct and close waste cells in Area 5 Radioactive Waste Management Complex (RWMC), as necessary
 - Cells 29 and 30 are ready for LLW
 - Seeding of cells to begin in February 2024



Task A – Radioactive Waste Management Disposal Operations (continued)



NSSAB observing RWAP conducting facility evaluations

- Maintain safe and compliant waste disposal in accordance with applicable regulations
- Continue generator facility evaluations and waste verifications conducted by Radioactive Waste Acceptance Program (RWAP) per Nevada National Security Sites' (NNSS) Waste Acceptance Criteria



Task A – Radioactive Waste Management Disposal Operations (continued)

- Risk/consequences of delay:
 - Public and environment
 - NNSC-specific: Potential inability to dispose of NNSC wastes resulting in additional costs for off-site disposal
 - Waste stored at other DOE sites may not have a safe and secure disposal path, potentially impacting the public and environment



Task A – Radioactive Waste Management Disposal Operations (continued)

- Project
 - DOE complex: additional costs; inability to dispose of some wastes
- Regulatory
 - DOE agreements and schedules with NDEP could be impacted
- Milestone:
 - Could impact EM Nevada Program demolition and closure activities



Post-Closure Monitoring Task



Tiffany Gamero
Long-Term Monitoring Activity Lead
EM Nevada Program



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Task B – Post-Closure Monitoring

- Description:
 - Conduct post-closure monitoring on the NNSS
 - Post-closure inspections and maintenance
 - Groundwater sampling and analysis
 - Water level monitoring
 - Groundwater monitoring network maintenance
 - Reporting



Task B – Post-Closure Monitoring (continued)

- Risk/consequences of delay:
 - People and environment
 - Potential delay in identification of changes to implemented controls at closed sites
 - Increased risk that potential contaminant movement and/or exposure pathways may not be immediately recognized
 - Project
 - Delayed ability to monitor radionuclide migration
 - Regulatory
 - DOE agreements and schedules with NDEP could be impacted
- Milestone:
 - Submit annual closure monitoring reports to NDEP



Industrial Sites Task



Jackie Petrello
Industrial Sites Activity Lead
EM Nevada Program



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Task C – Engine Maintenance Assembly and Disassembly (EMAD) Facility

- Description
 - Start demolition of Building 3900 EMAD (cold portion)



Task C – EMAD Facility (continued)

- Risk/consequences of delay:
 - People and environment
 - Any corrective actions would be delayed
 - Project
 - Delayed completion of Environmental Restoration mission
 - Regulatory
 - DOE agreements and schedules with NDEP could be impacted
- Milestones:
 - Any FFACO milestones (TBD) could be impacted



Stakeholder Support Task



Glenn Puit
Strategic Communications Manager
Navarro



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Task D – Stakeholder Support

- Descriptions:
 - Develop and disseminate information on EM Nevada Program activities to diverse stakeholder groups
 - General public; NSSAB; intergovernmental liaisons; other local and regional government leaders; waste generator community; technical peers; and DOE headquarters



Task D – Stakeholder Support (continued)

- Outreach and related products planned and prepared in coordination with technical projects, such as: Underground Test Area (UGTA), RWAP, etc.
 - NSSAB, LLW Stakeholders Forum, and other intergovernmental meetings (local and national), NNSS tours of EM sites
 - Community and educational outreach events
 - Website content, presentations, fact sheets, articles, videos, and social media posts



Groundwater Characterization Task



John Myers
UGTA Activity Lead
EM Nevada Program



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Task E – Central and Western Pahute Mesa

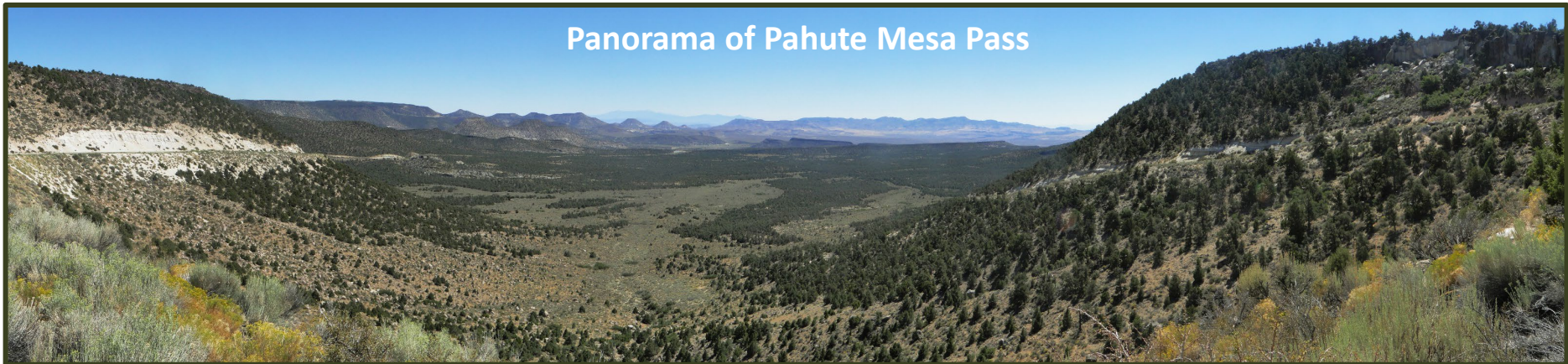
- Descriptions:
 - Model Evaluation
 - Annual Sampling
 - Groundwater sampling
 - Water level measurements
 - Develop Annual Sampling Report



Task E – Central and Western Pahute Mesa (continued)

- Continue New Data Evaluation and Interpretation

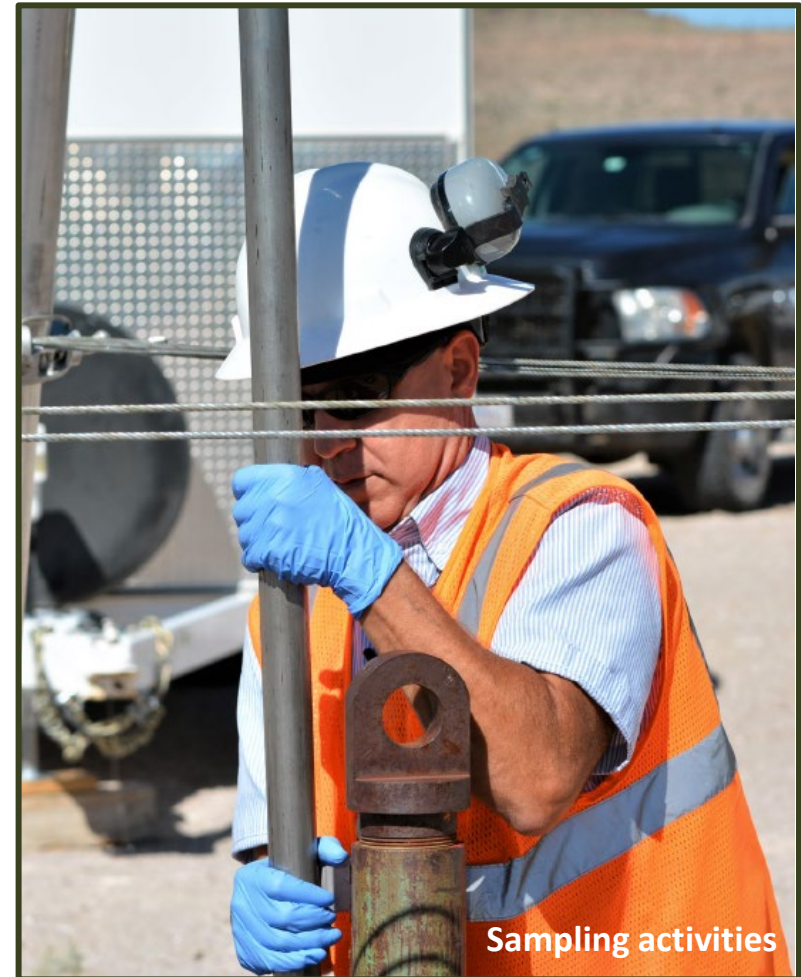
Panorama of Pahute Mesa Pass



Task E – Central and Western Pahute Mesa

(continued)

- Risk/consequences of delay:
 - People and environment
 - Low risk that potential contaminant movement and/or exposure pathways may not be immediately recognized
 - Project
 - Delayed completion of Environmental Restoration mission
 - Regulatory
 - DOE agreements and schedules with NDEP could be impacted



Task E – Central and Western Pahute Mesa (continued)



Sampling activities

- Milestones:
 - Submit CY 2025 Annual Sampling Report to NDEP
 - Complete Status Presentation to NDEP



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