Nevada Site Specific Advisory Board (NSSAB)

Full Board Meeting Handouts
Wednesday, February 16, 2022

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Page 39 NSSAB Prioritization Worksheet

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
Fax: 702-724-0981; www.facebook.com/NNSANevada
### NSSAB FULL BOARD MEETING ATTENDANCE

**October 2021 through September 2022 (FY 2022)**

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### LIAISONS

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<td>Clark County</td>
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<td>State of NV Division of Env Protection</td>
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<td>White Pine County Commission (limited)</td>
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**KEY:**
- √ - Present
- E - Excused
- V - Vacant
- U - Unexcused

*Virtual Full Board Meeting

**Hybrid Full Board Meeting
Fiscal Year (FY) 2024 Prioritization Work Plan Item #1

U.S. Department of Energy (DOE) Environmental Management (EM) Nevada Program
February 16, 2022
Tonight’s Path Forward

- **Overview**
- Ranking process explanation
- Briefing of each task
  - 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
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

### FY 2023 - FY 2025

#### Task A - Radioactive Waste Management Disposal Operations
- Operate Radioactive Waste Disposal Facilities
- Radioactive Waste Acceptance Program

#### Task B - Post-Closure Monitoring
- Soil & Industrial-Type Long-Term Monitoring/Inspections
- Groundwater Long-Term Monitoring/Inspections
  - CY 2022 Closure Monitoring Reports to NDEP
  - CY 2023 Closure Monitoring Reports to NDEP
  - CY 2024 Closure Monitoring Reports to NDEP

#### Tasks C - D Demolition and Closure
- Task C - Engine Maintenance Assembly & Disassembly (EMAD) Facility
- Task D - Test Cell C. Ancillary Buildings & Structures
  - Complete Demo Activities
  - Complete Closure Report

#### Task E - Stakeholder Support
- EM Nevada Program Stakeholder Support

#### Task F - Central & Western Pahute Mesa
- External Peer Review
  - Complete External Peer Review
- Corrective Action Decision Document/Corrective Action Plan (CADD/CAP)
  - Final Rev #1 CADD/CAP
- Annual Sampling
  - CY 2022 Sampling Report to NDEP
  - CY 2023 Sampling Report to NDEP
  - CY 2024 Sampling Report to NDEP
- Drilling/Well Development and Testing
  - Well Installation Presentation #2
  - Well Installation Presentation #3
  - Well Installation Presentation #4
  - Model Evaluation New Data Presentation #2
- New Data Evaluation and Interpretation
  - Model Evaluation New Data Presentation #1

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⚠️ Federal Facility Agreement and Consent Order (FFACO) and Other Programmatic Milestones

Calendar Year (CY)
State of Nevada Division of Environmental Protection (NDEP)
Tonight’s Path Forward

- Overview
- **Ranking process explanation**
- Briefing of each task
- Group discussion
- Individual rankings
- Prioritization tallying
- Vote on final recommendation

<table>
<thead>
<tr>
<th>Individual Ranking*</th>
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*Rank from 1 - 6 with 1 as your highest priority and 6 being your lowest priority
Note: Use each number only once
Tonight’s Path Forward
(continued)

- Overview
- Ranking process explanation

- **Briefing of each task**

- Group discussion

- Individual rankings

- Prioritization tallying

- Vote on final recommendation
Waste Management Disposal Task

Jhon Carilli
Low-Level Waste (LLW) Activity Lead
EM Nevada Program
Task A – Radioactive Waste Management Disposal Operations

• Descriptions:
  – Maintain capability to safely receive and dispose approximately 1.2 million cubic feet per year of LLW, mixed LLW, and classified waste from on-site and off-site generators
  – Continue environmental monitoring activities
  – Construct and close waste cells in Area 5 Radioactive Waste Management Complex (RWMC), as necessary
    ▪ Cell 21-seeding and outplants at Corrective Action Unit (CAU) 577
    ▪ Cells 8 and 16-seeding and outplants
Task A – Radioactive Waste Management Disposal Operations (continued)

– 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 Site (NNSS) Waste Acceptance Criteria
Task A – Radioactive Waste Management Disposal Operations (continued)

- Risk/consequences of delay:
  - People and environment
    - NNSS-specific: Potential inability to dispose of NNSS 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 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
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)

– Continue seeding and outplants at CAU 111 on the Area 5 RWMC
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

- Milestones:
  - Submit annual closure monitoring reports to NDEP
Industrial Sites Tasks

Tiffany Gamero
Industrial Sites Activity Lead
EM Nevada Program
Task C – Engine Maintenance Assembly and Disassembly (EMAD) Facility

• Description:
  – Continue demolition and closure activities
Task D – Test Cell C (TCC) Ancillary Buildings and Structures

• Description:
  – Continue demolition and closure activities
Tasks C and D – EMAD and TCC

• 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 could be impacted
Stakeholder Support Task

Jesse Sleezer
Strategic Communications Manager
Navarro
Task E – 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

Environmental scientist Tiffany Gamero hosts the EM Nevada Program’s first virtual field trip for students from Lied STEM Academy, part of the Clark County School District
Task E – 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)
  - 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
Task F – Central and Western Pahute Mesa

• Descriptions:
  – Corrective Action Decision Document/Corrective Action Plan (CADD/CAP)
    ▪ Submit to NDEP, resolve comments, and finalize document
Task F – Central and Western Pahute Mesa (continued)

- Model Evaluation
  - Annual sampling
    - Groundwater sampling
    - Inspections and water level measurements
    - Develop CY 2023 annual sampling report
Task F – Central and Western Pahute Mesa (continued)

- Drilling/Well Development and Testing
  - Complete well siting and design for future drilling of model evaluation wells
  - Initiate drill pad/road/sump construction
- Initiate new data evaluation and interpretation
Task F – 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 F – Central and Western Pahute Mesa  
(continued)

- Milestones:
  - Submit Final CADD/CAP to NDEP
  - Submit CY 2023 Annual Sampling Report to NDEP
  - Complete Well Installation Presentation to NDEP

Groundwater Drilling Activities
Tonight’s Path Forward

• Overview
• Ranking process explanation
• Briefing of each task (six [6] tasks total)
• **Group discussion**
• Individual rankings
• Prioritization tallying
• Vote on final recommendation
Tonight’s Path Forward (continued)

- Overview
- Ranking process explanation
- Briefing of each task
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(continued)

• Overview
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• Description of each task
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(continued)

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