



## ***Nevada Site Specific Advisory Board (NSSAB)***

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**Full Board Meeting – Las Vegas  
Wednesday, February 18, 2026**

### ***Handouts...***

Page 2 Briefing for Enhancements to Low-Level Waste Stakeholders Forum Meetings  
(Work Plan #1)

Page 13 Briefing for Fiscal Year 2028 Prioritization (Work Plan #2)

Page 39 Education Session: Roles and Responsibilities of the State of Nevada Division of  
Environmental Protection as Related to the EM Nevada Program

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

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

# Enhancements to Low-Level Waste Stakeholders Forum (Work Plan #1)

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**Glenn Puit**

Strategic Communications Manager

Navarro Research and Engineering, Inc.



# NSSAB - Work Plan Item #1

- From a community perspective, the Nevada Site Specific Advisory Board (NSSAB) will provide recommendations for ways to enhance/improve Low-Level Waste Stakeholders Forum (LLWSF) meetings, including suggesting educational topics related to waste transportation and improving overall engagement
- NSSAB designated three members to observe the February 11, 2026, LLWSF meeting and they will present their observations to the Full Board tonight
- NSSAB recommendation is due either tonight, or during the June 2026 NSSAB Full Board Meeting



# Overview

- LLWSF Basics
- LLWSF Charter/Mission
- LLWSF Background
- Past Guest Speakers and Topics
- Example of an Agenda
- Technology/Opportunities
- Questions



LLW Cell at the Area 5 Radioactive Waste Management Complex (RWMC)



# LLWSF Basics

- LLWSF is hosted by Department of Energy (DOE) Environmental Management (EM) Nevada (NV) Program
- The State of Nevada, along with counties that Nevada National Security Site (NNSS) waste shipments are transported through, are members of the forum
- Other participants include tribal leaders, an NSSAB representative, law enforcement, emergency responders, health departments/hospitals, and other federal agencies with ties to the NNSS
- The meeting is not intended for the public
- In the past, the meeting has been held quarterly. It is now held twice a year.



# LLWSF Charter/Mission

*“The LLWSF provides intergovernmental stakeholders the opportunity to obtain and discuss information related to the shipment and disposal of waste at the NNSS. Additionally, it provides a forum for participants to share information about relevant activities in which their organization is engaged.*

*The DOE EM Nevada Program is committed to providing interested stakeholders information in a timely and transparent manner to improve communications and trust with intergovernmental partners and the communities they represent.”*

*- LLWSF Charter*



Waste Transportation at the NNSS



# LLWSF Background



- Early origins of the LLWSF can be traced back to an entity known as the Transportation Working Group (TWG)
- TWG was established in 1994 and functioned for 10 years
- Approximately 2010, the TWG was re-established but eventually disbanded due to lack of interest
- Reformulated in 2016
- Goal was to keep stakeholders informed of transportation/ route issues and incidents while furthering lines of communication
- Tabletop exercises for first responders were an example of the value of LLWSF



# LLWSF Background (continued)

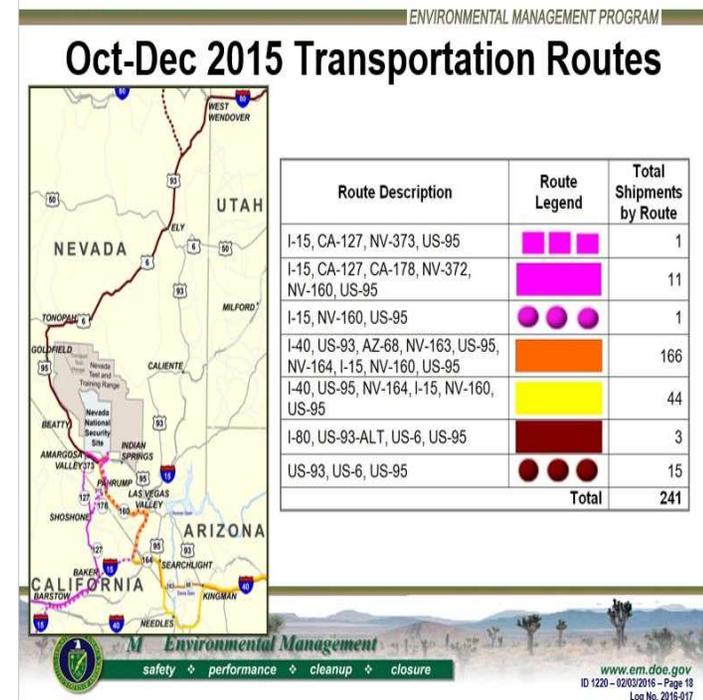
## Initial Meeting: February 3, 2016



### Greetings!

The U.S. Department of Energy (DOE), National Nuclear Security Administration Nevada Field Office (NFO) invites you to join us on **Wednesday, February 3<sup>rd</sup> from 1-3pm** for a discussion and information exchange regarding the shipment and disposal of low-level radioactive waste (LLW) at the Nevada National Security Site (NNSS). The purpose of this forum is to provide previous and/or successor members of the NFO Transportation Working Group an opportunity to reconnect and stimulate dialogue.

This meeting will take place at the Nye County Emergency Management facility located at **1510 E. Siri Ln., Ste.1, Pahrump, NV 89060**.



# Past Guest Speakers and Topics

Clark County Fire Department  
National Nuclear Security Administration  
Ludian, LLC  
Mission Support and Test Services, LLC (MSTS)  
Nevada Dept. of Transportation (NDOT)  
Nevada Dept. of Public Safety  
Nevada Agency for Nuclear Projects  
Clark County Dept. of Aviation  
MSTS  
Navarro  
Navarro  
Nevada Div. of Emergency Management  
Nye County Dept. Of Emergency Management

State of NV Hazardous Commodity Flow Study  
Office of Secure Transportation  
Autonomous Transportation  
NNSS Emergency Preparedness Overview  
I-11 Northern NV Alternatives Analysis Planning  
Training, The New Normal  
High Speed Rail in Nevada  
Southern Nevada Supplemental Airport Planning  
NNSS Modernization  
History of Waste Disposal at the NNSS  
Transportation Due Diligence  
Radiological Waste Transportation  
Who we are, what we do, what we don't do



# Past Guest Speakers and Topics (continued)

Remote Sensing Laboratory

Navarro

NDOT

NDOT

Clark County Nevada

Desert Research Institute (DRI)

Regional Transportation Council

Nye County Dept. Of Emergency Management

DOE Transportation Emergency Preparedness Program (TEPP)

NNSS Fire

Keeping Us Safe from the Unthinkable – Nuclear Incident Response

Federal Facility Agreement and Consent Order Overview Update

Nevada Construction Update

Over-Dimensional Vehicle Permits

Clark County Office of Traffic Safety Strat. Plan

Overview of Technical Research, Engineering, and Development Services Work for DOE

Freeway Arterial System of Trans. (FAST) Program

F-500 Fire Suppression Agent

TEPP Overview

Overview of Emergency Services on the NNSS



# Example of an Agenda

## **1:00pm** Welcome

- Kevin Knapp, Navarro, contractor to the DOE EM Nevada Program
- Rob Boehlecke, DOE EM Nevada Program

## **1:10pm** Member Updates

**1:30pm** Update on Transportation and Disposal of Waste at the NNSS – Rob Boehlecke, Program Manager, DOE EM Nevada Program

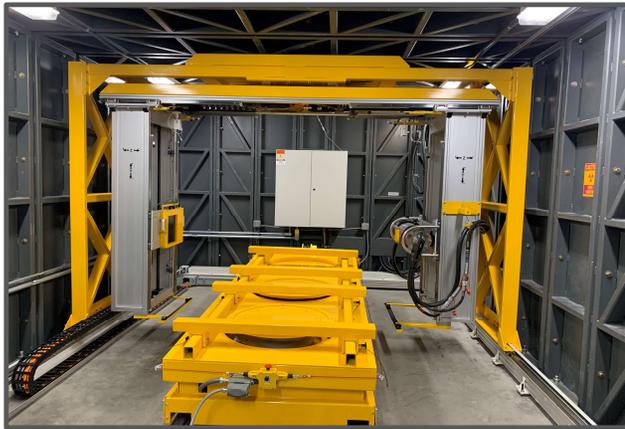
**1:55pm** Analysis of Exposure During Transportation of Waste to the NNSS – Jeff Jarry, Radioactive Waste Acceptance Program (RWAP) Manager, Navarro Research and Engineering

**2:15pm** Waste Disposal Permits and Environmental Monitoring at Area 5 Radioactive Waste Management Complex – Reed Poderis, Mission Support and Test Services, LLC

**2:55pm** Wrap-up Discussion



# Technology/Opportunities



Real Time Radiography Unit at Area 5 RWMC



Waste Emplacement at Area 5 RWMC

- Hybrid meetings held in Pahrump and Las Vegas
- Opportunity #1: Ideas for more presenters and new topics
- Opportunity #2: Increase engagement during meetings
- Requesting the NSSAB “think outside the box”
- New format? New ideas for presentations, technology, delivery of content

# Fiscal Year (FY) 2028 Prioritization (Work Plan #2)

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U.S. Department of Energy (DOE)  
Environmental Management (EM)  
Nevada Program



# 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

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**Andrew Weber**

Management Analyst  
EM Nevada Program



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Management

# 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
- **Cost:** 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.



Hydrojet activities on the lower shells of Dewars 1 and 2 at Test Cell C (August 2025)



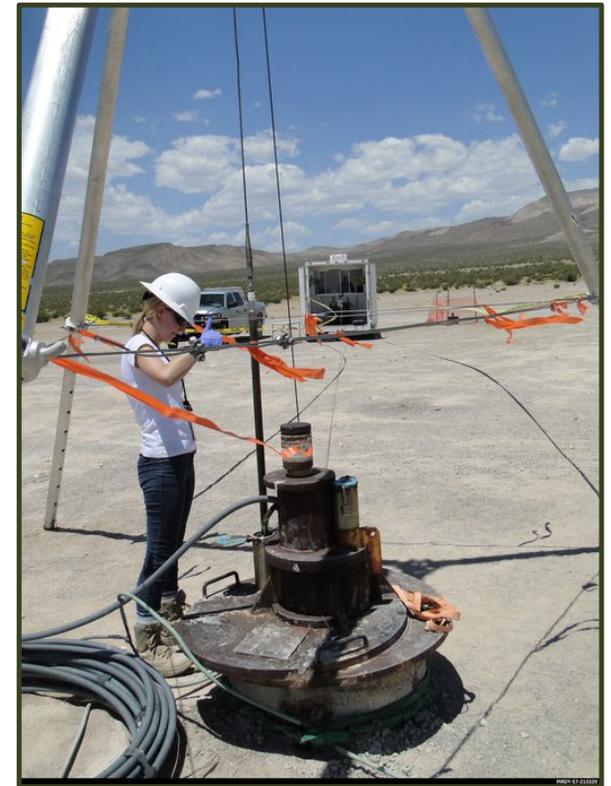
# EM Nevada Program Baseline Maintenance

## Performance against the baseline

- Contractors report monthly performance to the EM Nevada Program, where it is integrated and analyzed, then compared against the EM Nevada Program baseline plan

## Baseline changes

- Changes to the baseline are required periodically to account for addition or deletion of scope, scientific strategy changes, or contract modifications



Sampling activities



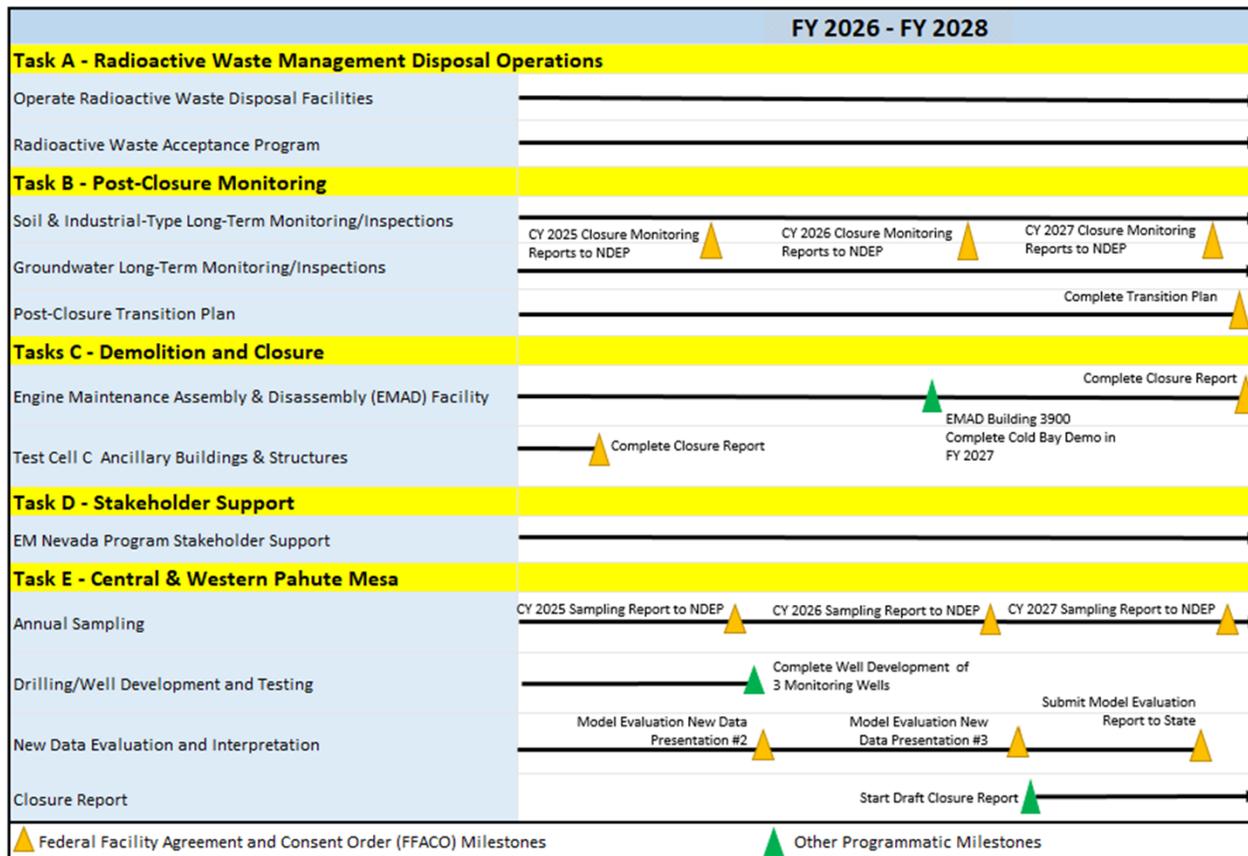
# Federal Budget Process



Example of DOE budget planning timeline



# EM Nevada Program Baseline Schedule



Calendar Year (CY)  
State of Nevada Division of Environmental  
Protection (NDEP)

# Waste Management Disposal Task

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**Robert Boehlecke**  
Program Manager  
EM Nevada Program



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# Task A – Radioactive Waste Management Disposal Operations

## Descriptions:

- Maintain capability to safely receive and dispose approximately 800,000 cubic feet per year of low-level waste (LLW), mixed LLW (MLLW), and classified waste from onsite and offsite generators
- Continue environmental monitoring activities
- Construct and close waste cells in Area 5 Radioactive Waste Management Complex (RWMC), as necessary
- Initiate MLLW cell construction



Waste disposal cells  
at Area 5 RWMC



# Task A – Radioactive Waste Management Disposal Operations (cont.)



Area 5 RWMC activities (May 2025)

- 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 (cont.)

## Risk/consequences of delay:

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

Waste disposal activities



# Task A – Radioactive Waste Management Disposal Operations (cont.)

- Project
  - DOE complex: additional costs; inability to dispose of some wastes
- Regulatory
  - DOE agreements and schedules with State of Nevada Division of Environmental Protection (NDEP) could be impacted

## Milestone:

- Could impact EM Nevada Program demolition and closure activities



NSSAB visit to drive-through truck portal unit at the Area 5 RWMC (July 2025)

# Post-Closure Monitoring Task

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**Tiffany Gamero**

Regulatory/Federal Facility Agreement and  
Consent Order (FFACO) Lead  
EM Nevada Program



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# Task B – Post-Closure Monitoring

## Descriptions:

- Conduct post-closure monitoring of closed FFACO sites on the NNSS
- Post-closure inspections and maintenance
- Groundwater sampling and analysis
- Water level monitoring
- Groundwater monitoring network maintenance
- Reporting
- Complete Site Transition Plan



NSSAB observed Well WW-C-1 sampling (March 2025)

# 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



NSSAB observed post-closure monitoring  
at Area 12, E Tunnel (April 2025)

# Industrial Sites Task

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**Jackie Petrello**

D&D Lead  
EM Nevada Program



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# Task C – EMAD Facility

## Description:

- Complete Closure Report
- Remaining portion of the facility available for potential beneficial reuse – transfer to landlord



**Engine Maintenance Assembly and Disassembly (EMAD) facility**

# Task C – EMAD Facility (continued)

## Milestone:

- Any FFACO milestone (TBD) could be impacted



NSSAB Visit to EMAD (October 2024)

# Stakeholder Support Task

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**Glenn Puit**

Strategic Communications Manager  
Navarro Research and Engineering, Inc.



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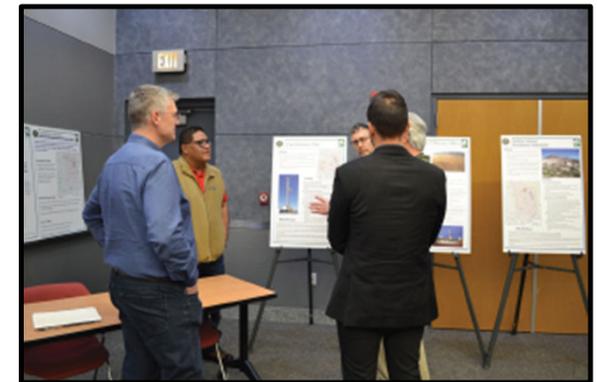
# Task D – Stakeholder Support

## 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



Host NSSAB Meetings (June 2025)



Host Groundwater Open Houses (Tribal Update Conference – April 2025)

# 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, STEM grants
  - Website content, presentations, fact sheets, articles, videos, and social media posts

Present at workshops  
(Community Environmental  
Monitoring Program –  
July 2025)



Host NNSS tours  
(National Transportation  
Stakeholders Forum – May 2025)



# Groundwater Characterization Task

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**John Myers**

UGTA Activity Lead  
EM Nevada Program



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# Task E – Central and Western Pahute Mesa

## Descriptions:

- Complete groundwater sampling
- Complete model evaluation
- Start development of the Closure Report



NSSAB site visit of drilling of wells ER-20-13 on Pahute Mesa (July 2025)

# 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

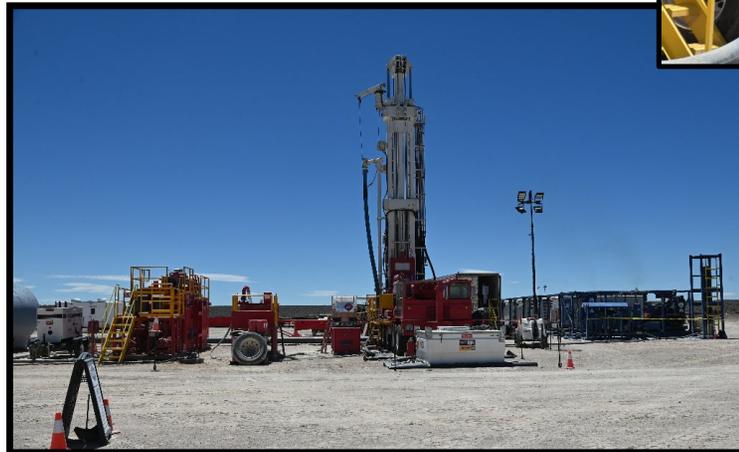


Sampling activities at well WW-C-1 (July 2025)

# Task E – Central and Western Pahute Mesa (continued)

## Milestones:

- Submit CY 2027 Annual Sampling Report to NDEP
- Complete Status Presentation to NDEP
- Submit Model Evaluation Report to NDEP



UGTA Activity - drilling of wells  
ER-20-13 on Pahute Mesa  
(July 2025)

# Nevada Division of Environmental Protection

The Roles and Responsibilities of the Nevada  
Division of Environmental Protection at  
Department of Energy Sites in Nevada

February 18, 2026

Presented by  
**Meghan Lyle, Bureau Chief**



NEVADA DIVISION OF  
**ENVIRONMENTAL  
PROTECTION**



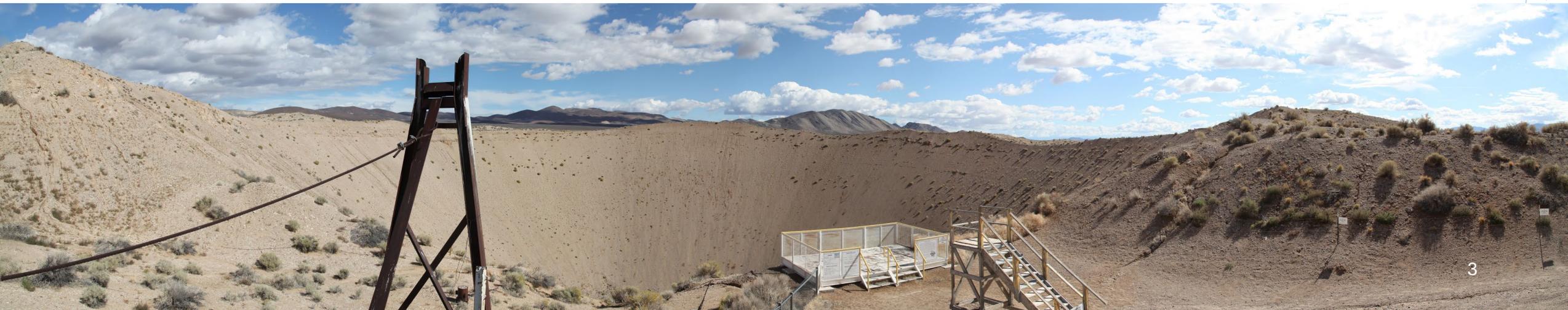
# Questions You May Ask That I Will Answer Tonight:

- Who we are
- What we do
- What we do not do
- Why we do what we do
- When we do it
- How we do it
- Where we do it



# Nevada Department of Conservation and Natural Resources Divisions and Programs:

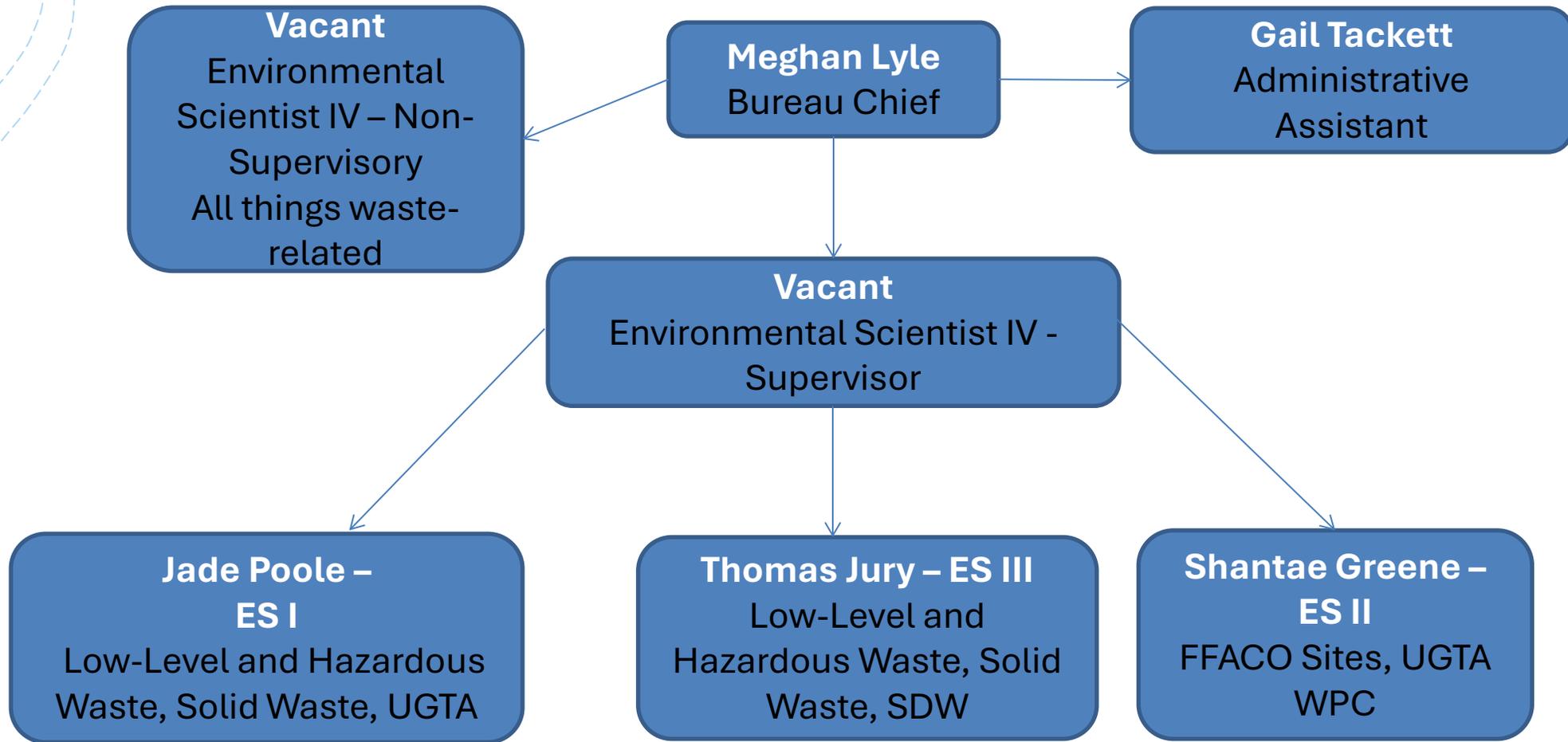
- Conservation Districts Program
- Conserve Nevada Program
- Environmental Protection
- Forestry
- Historic Preservation Office (SHPO)
- Off-Highway Vehicle Program
- Outdoor Recreation
- Sagebrush Ecosystem Program
- State Lands
- State Parks
- Water Resources
- Natural Heritage



# Nevada Division of Environmental Protection Bureaus:

- Administrative Services
- Air Pollution Control
- Air Quality Planning
- Corrective Actions
- **Federal Facilities**
- Industrial Sites Cleanup
- Mining Regulation and Reclamation
- Safe Drinking Water
- Sustainable Materials Management
- Water Pollution Control
- Water Quality Planning





# Current Bureau of Federal Facilities Organization

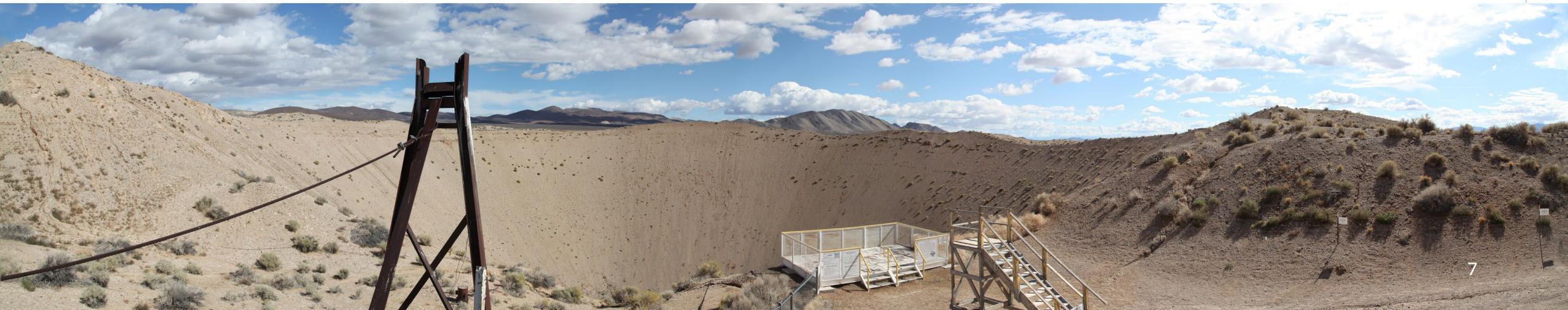
# Nevada Division of Environmental Protection's Mission:

- “To preserve and enhance the environment of the state in order to protect public health, sustain healthy ecosystems and contribute to a vibrant economy.”



# Bureau of Federal Facilities

- The NDEP's Bureau of Federal Facilities provides programmatic and regulatory oversight of the U.S. Department of Energy's (DOE) Environmental Restoration, Environmental Health and Safety, and Waste Management programs at the Nevada National Security Site, Tonopah Test Range, Central Nevada Test Area and Project Shoal Area.



# Nuclear Weapons Testing Sites:

- Nevada National Security Site
- Tonopah Test Range
- Central Nevada Test Area
- Project Shoal Area



# Yucca Mountain:

- The proposed deep geological repository storage facility for spent nuclear fuel and other high-level radioactive waste.



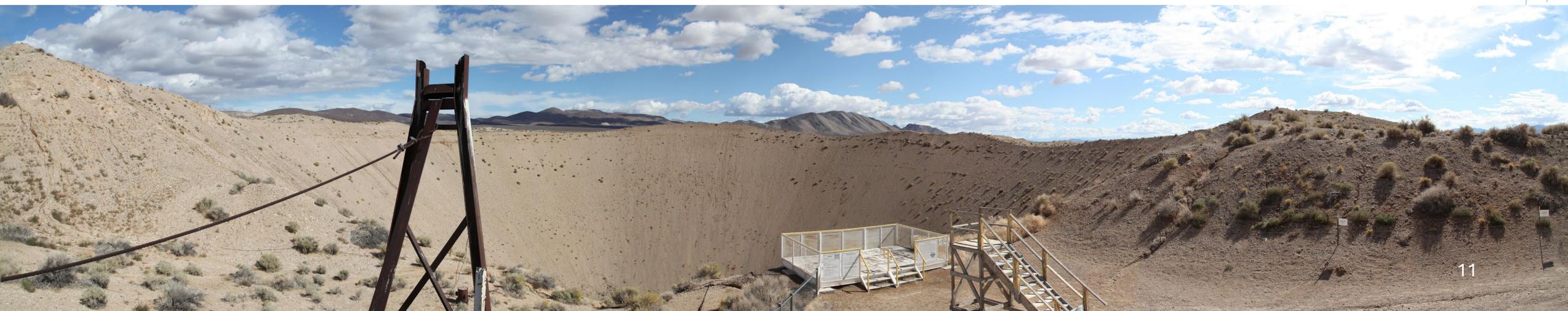
# Bureau of Federal Facilities' Applicable Agreements, Laws and Regulations

- The Federal Facility Agreement and Consent Order (FFACO) – 1996
- Resource Conservation and Recovery Act
- Federal Facility Compliance Act of 1992
- Agreement in Principle
- Nevada Administrative Code, Chapter 445A – Water Controls



# The FFACO

- A three-party compliance agreement for U.S. DOE and U.S. Department of Defense sites within Nevada – 24 months of negotiations – effective May 1996
- The NDEP has regulatory Oversight of cleanup operations at federal facilities in Nevada
- Specifically covers the following sites:
  - The Nevada National Security Site
  - The Tonopah Test Range
  - The Nevada Test and Training Range
  - The Central Nevada Test Area
  - The Project Shoal Area



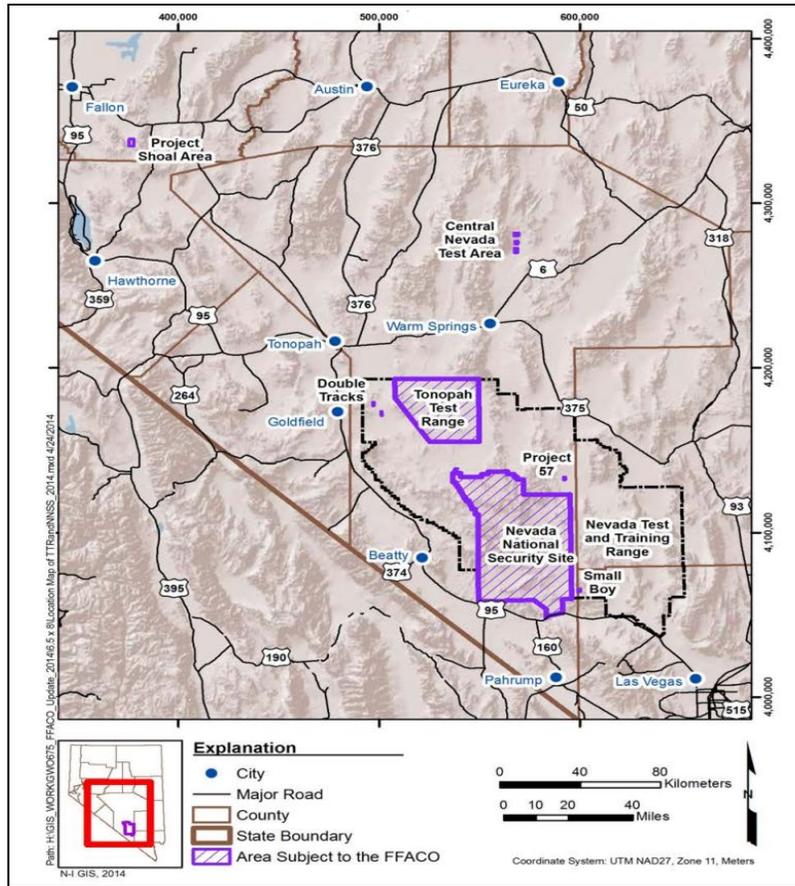


Figure 1-1  
 Areas Subject to the FFACO

# The FFACO

- Ensures the government entities work together in a cost-effective manner
- The DOE Offices of Environmental Management and Legacy Management are responsible for remediating the sites and maintaining the sites
- FFACO establishes a framework for identifying, prioritizing, investigating, remediating, and monitoring historically contaminated sites
- Defines the regulations the State of Nevada will use to direct and enforce corrective action activities



# The FFACO

- Provides public involvement opportunities
- Establishes a corrective action strategy for cleanup activities
- Has seven appendices:
  - I. Description of Facilities
  - II. Corrective Action Sites/Units
  - III. Corrective Action Investigations/Corrective Actions
  - IV. Closed Corrective Action Units
  - V. Public Involvement Plan
  - VI. Corrective Action Strategy
  - VII. Post-Closure Strategy



# Corrective Action Strategy

- Corrective action ranges from no action to clean closure
- Corrective action sites grouped into units having common contaminants, geology, location or other factors
- These groups, called Corrective Actions Units (CAUs), are prioritized based on:
  - Potential risk to workers and public
  - Available technology
  - Future land use
  - Agency and stakeholder concerns
  - Other criteria



# Corrective Action Strategy

- Under the FFACO, DOE and DOD propose and discuss priorities with the State
- State makes recommendations
- Recommendations presented for review by the public and NSSAB
- Following public's input, the State, DOE and DOD develop a final prioritization of units for investigation and corrective action



# Three Types of Activities under DOE's Environmental Restoration Project that their Environmental Management Program handles and NDEP oversees and regulates:

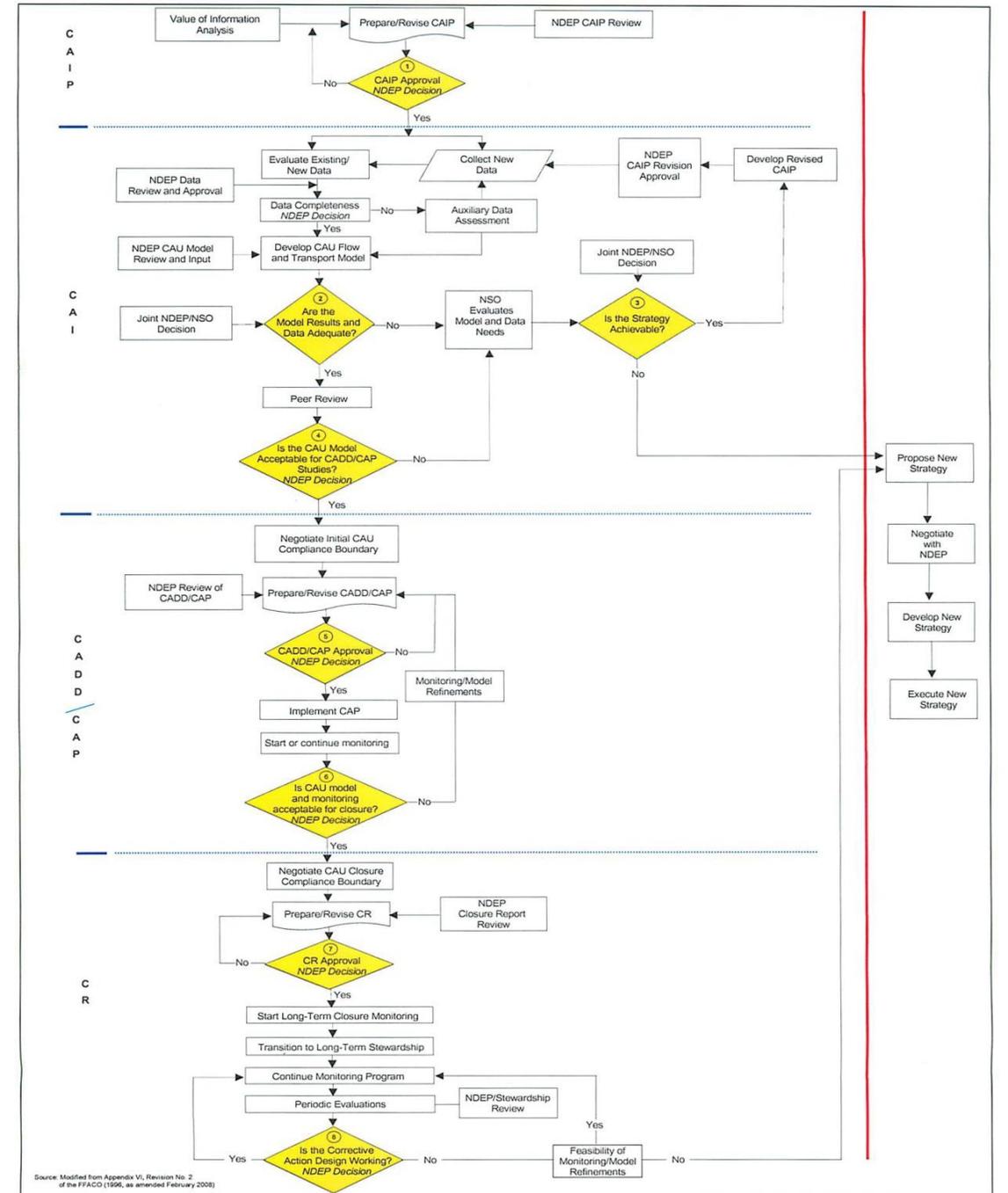
- Industrial Sites
- Soil Sites
- Underground Test Area Sites



- To ensure compliance with the FFACO, a specific closure approach is chosen to investigate and remediate an Industrial, Soils or UGTA Site
- The three methods for achieving closure are:
  - Housekeeping
  - Complex Closure
    - Corrective Action Investigation Plan (CAIP)
    - Corrective Action Decision Document (CADD)
    - Corrective Action Plan (CAP)
    - Closure Report (CR)
    - Notice of Completion
  - SAFER Plan – Streamlined Approach for Environmental Restoration (SAFER) process



# Section 3, Appendix VI of the Federal Facility Agreement and Consent Order Process Flow Diagram for UGTA CAUs



# Nevada Off-Sites

- Underground nuclear testing activities conducted in 5 states for various purposes (Alaska, Colorado, Nevada, New Mexico, Mississippi)
- DOE Office of Legacy Management assumed responsibility for all activities associated with Underground testing and long-term surveillance and maintenance at the Off-Sites on October 1, 2006
- The 2 Nevada Off-Sites (Central Nevada Test Area and Project Shoal Area) continue to fall under the regulatory authority of the FFACO administered by the NDEP



# Tonopah Test Range

- Industrial and Soil Sites
- DOE Office of Legacy Management assumed responsibility for all long-term monitoring activities on the TTR on September 30, 2020
- The TTR continues to fall under the regulatory authority of the FFACO administered by the NDEP



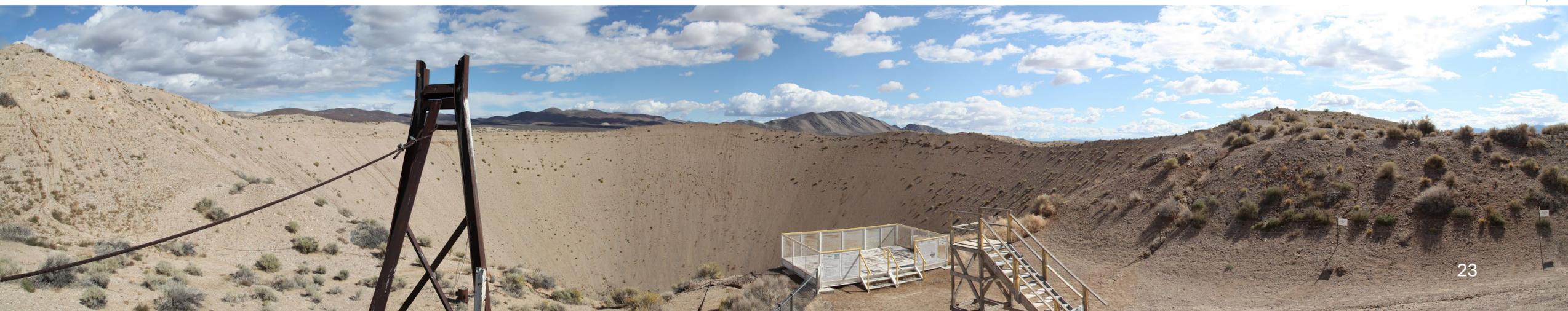
# Agreement in Principle (AIP) - 1999

- Parties to the Agreement:
  - Office of the Governor – Agency Integrator
  - DCNR through NDEP, BFF
  - Department of Public Safety through Division of Emergency Management
  - EM Nevada Program
  - NNSA/NFO
- At DOE facilities, the BFF implements existing State regulations for:
  - Storage, treatment and disposal of waste
  - Water Pollution Control
  - Safe Drinking Water
  - Corrective actions



# Agreement in Principle (AIP) - 1999

- BFF implements authorities of other bureaus in NDEP
- Consistency of regulatory decisions is critical to maintain credibility
- The original intent was to support oversight and environmental monitoring; DOE's intent was to gain public confidence through enhanced State oversight
- Intent is to work cooperatively to assure citizens of Nevada that the public's health and safety, as well as the environment, are protected



# Agreement in Principle (AIP) - 1999

- Nevada's oversight will encompass only environmental cleanup activities that fall outside those encompassed by the scope of the FFACO
- The AIP Attachments describe, in part, each of Nevada's Agencies' commitments and activities in carrying out the AIP

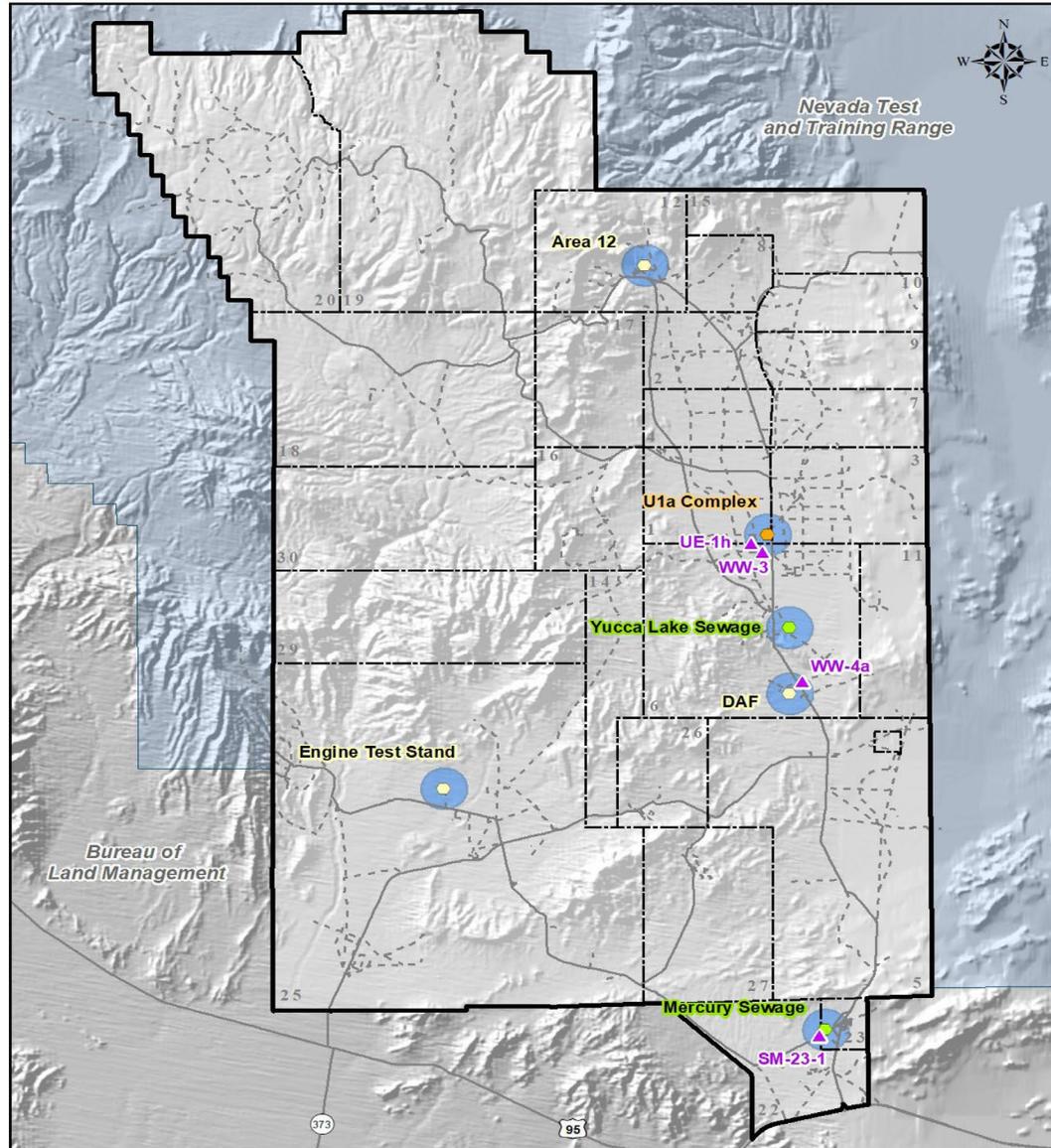


# Water Pollution Control Nevada Administrative Code Chapter (NAC) 445A – Water Controls

- General Provisions 445A.070 – 445A.117
- Action Levels for Contaminated Sites 445A.226 – 445A.22755
- Discharge Permits 445A.228 – 445A.263
- General Permits 445A.266 – 445A.272
- Corrective Action 445A.273 – 445A.2739
- Use of Treated Effluent 445A.274 – 445A.280
- Treatment Works 445A.283 – 445A.292
- Notification of Release of Hazardous Substance 445A.345 – 445A.348
- Permits for Facilities 445A.390 – 445A.420
- Operations and Design of Facilities 445A.424 – 445A.447



# Map of Wastewater Ponds at the NNSS



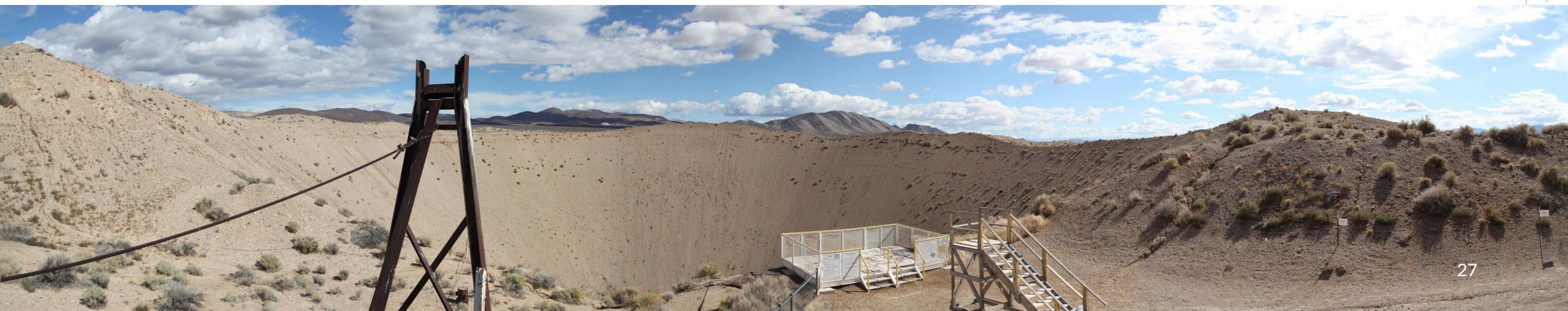
Map produced by the MST's GIS Services Department. Product ID: 2021104-01-P001-R01

<ul style="list-style-type: none"> <li>▲ RREMP Monitoring Well</li> <li>● Area within 1-mile radius of Sewage Lagoon</li> </ul>	<ul style="list-style-type: none"> <li>● Permitted Sewage Disposal Systems                     <ul style="list-style-type: none"> <li>● Active Sewage Lagoon</li> <li>● Inactive Sewage Lagoon</li> <li>● Lagoon Under Construction*</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>— Primary Road</li> <li>- - - Secondary Road</li> <li>- - - NNSS Operations Area</li> <li>— NNSS Boundary</li> </ul>
<p>*Construction to be completed in 2022.</p>		
<p>2 1 0 2 4 6      2 1 0 2 4 6 Kilometers      Miles</p>		



# Safe Drinking Water Public Water Systems NAC 445A – Water Controls

- Water Quality 445A.450 – 445A.492
- Treatment of Water: Generally 445A.495 – 445A.540
- Treatment of Water: Groundwater 445A.54022 – 445A.5405
- Certification of Laboratories to Analyze Drinking Water 445A.542 – 445A.54296
- Operation of Community Water System or Non-transient Water System 445A.591 – 445A.5926
- Permits to Operate Privately Owned Systems 445A.595 – 445A.614
- Certification of Operators 445A.617 – 445A.652
- Design, Construction, Operation and Maintenance 445A.65505 – 445A.6731
- Environmental Review of Proposed Water Projects 445A.6758 – 445A.67611
- Requirements for Water Projects 445A.67624 – 445A.67644



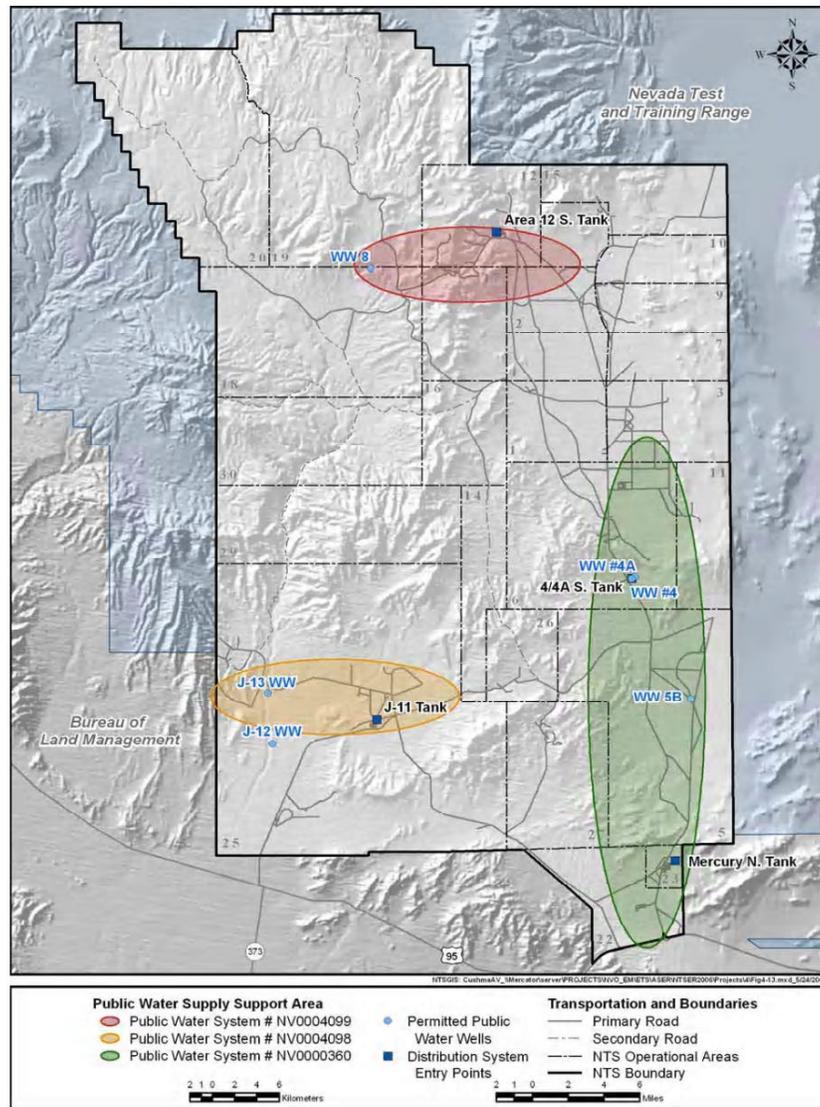


Figure 4-19. Water supply wells and drinking water systems on the NTS



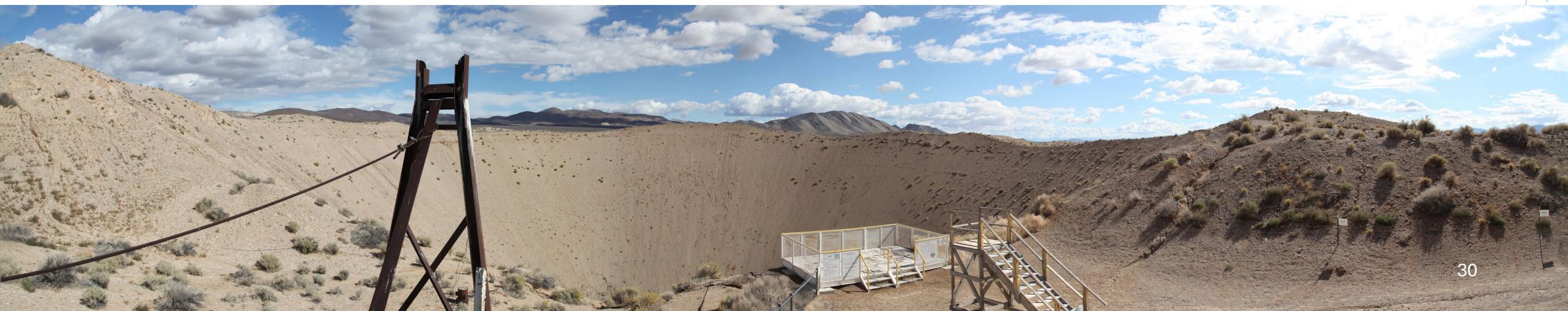
# Solid Waste Disposal / Resource Conservation and Recovery and Major Amendments

- The Solid Waste Disposal Act – passed in 1965 as Title II of the Clean Air Act of 1965
- The Resource Recovery Act of 1970
- Resource Conservation and Recovery Act (RCRA) – 1976
  - Subtitle C
  - Hazardous and Solid Waste Amendments of 1984
  - Federal Facility Compliance Act of 1992



# Mixed Low-Level Waste Disposal

- Supports DOE complex-wide cleanup
- Waste that is both low-level radioactive waste (LLRW) and hazardous waste
- Managed separately from LLRW
- Governed by RCRA, which Nevada is authorized to regulate
- Disposal Facility
  - “Old mixed waste disposal cell (Pit 3)
    - Permitted by NDEP under RCRA Interim Status
    - Fully closed in January 2012
  - Fully lined Cell 18 permitted by NDEP
    - Fully RCRA compliant
    - Opened Cell 18 January 2011 – Closed in August 2021
  - Fully lined Cell 25 permitted by NDEP
    - Fully RCRA compliant
    - Opened in 2019



# Low-Level Radioactive Waste Disposal

- Supports DOE complex-wide cleanup
- Compliance with Orders and Directives
  - DOE 435.1
  - AIP
  - Stakeholder commitments
- Disposal in several cells in Area 5



# Mixed Low-Level and Low-Level Radioactive Waste Acceptance Program

- Radioactive Waste Acceptance Program and Approval Process by the WARP
  - Reviews generator programs and procedures
  - Reviews all specific waste stream profiles
  - Conducts site audits/waste generator evaluations
  - Waste verifications
- At NNSS
  - Waste Acceptance Criteria (NNSS WAC)
  - Inspections
  - Paperwork verification
  - Monitoring
  - Regulatory compliance and enforcement



# Radioactive Waste Management Complex (RWMC) in Area 5

- Performance Assessment on Area 5
  - Extensive complex modeling
  - Gauges potential risks
    - Conservative approach
    - Short- and long-term
- Environmental Monitoring
  - Air, groundwater and soil
  - Long term groundwater monitoring (UGTA)
  - No indication of any offsite migration
- Closure Program
  - Earthen evapotranspiration cap research and development
  - Focus on erosion control



# RCRA Part B Permit for Four Units at the NNSS:

- A Hazardous Waste Storage Unit
- An Explosive Ordnance Disposal Unit
- Mixed Low-Level Waste Cells
- A Mixed Low-Level Storage Facility



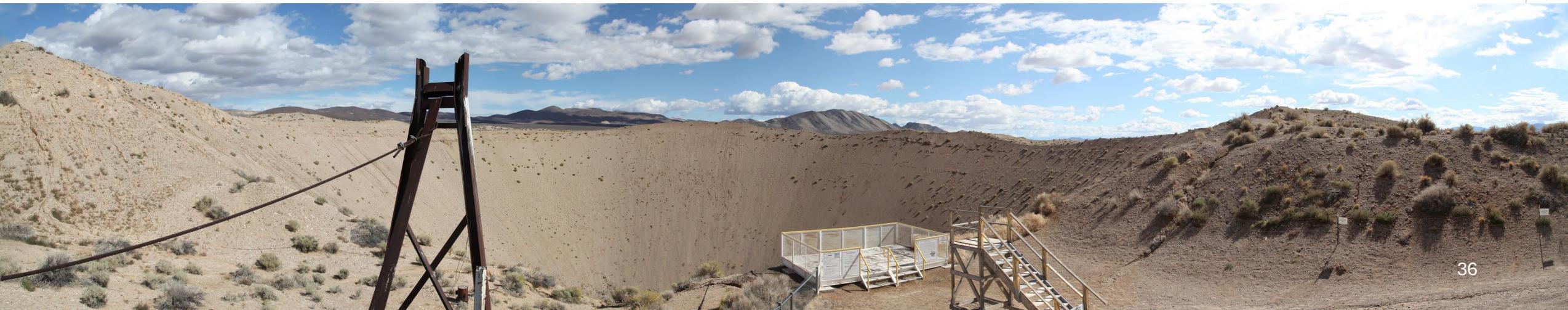
# RCRA Part D Permits for Solid Waste in the Following Locations on the NNSS:

- One near Mercury in Area 23
- One near CP Basin in Area 6
- One near the northern border of Area 9
- One in Area 5 at the Radioactive Waste Management Complex (RWMC)



# Transportation

- The NDEP does not regulate transportation to and from the NNSS
- The Nevada Department of Transportation (NDOT) regulations would apply



# Questions?



NEVADA DIVISION OF  
**ENVIRONMENTAL  
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