



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

---

**Full Board Meeting  
Wednesday, June 18, 2025**

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

- Page 2      Attendance Spreadsheet (informational)
- Page 3      Development of an Outline for a Communication Plan for the Transition of  
Environmental Management Sites on the NNSS to Long-Term Stewardship  
Briefing ~ Work Plan Item #3
- Page 15     Educational Session: F500 Fire Suppressant and Lithium-Ion Battery Fire  
on US 95 Briefing
- Page 41     Notification of Chair/Vice-Chair Elections for FY 2026

.....  
NSSAB minutes, agendas, recommendations, meeting dates and locations, handouts, and  
membership 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](https://www.facebook.com/NNSANevada)

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

NSSAB FULL BOARD MEETING ATTENDANCE							
October 2024 through September 2025 (FY 2024)							
Name	1/15/25	2/19/25	4/16/25	6/18/25	9/10/25	Max Term	
MEMBERS							
Erik Anderson	√	E	E			2028	
Joycelyn Austin-Mabe	√	√	E			2028	
Robert (Doug) Blackstock	√	√	√			2030	
Lisa Blandi	√	E	√			2028	
John Cole	√	√	√			2028	
Juan Diaz III	√	√				2030	
Gary Elgort	√	√	√			2026	
Thomas Fisher	√	√	√			2030	
Pam Handor	E	√	√			2030	
Mark Hilton	√	√	√			2026	
Tammi Odegard	√	√	√			2030	
Lori Olson-Arzaga	√	E	√			2030	
Anntoinette Rivera	√	√	E			2030	
Brandon Schmidt	√	√	√			2030	
Kevin Trainor	√	√	E			2028	
Eddie Williams	√	E	E			2028	
LIAISONS							
Clark County	√	√	√				
Consolidated Group of Tribes & Organizations	√	E	E				
Elko County Commission (limited)							
Esmeralda County Commission (limited)							
Lincoln County Commission	√	√	√				
Nye County Commission	√	U	U				
Nye County Emergency Management	√	√	√				
Nye Co. Natural Resources and Federal Facility	√	√	U				
State of NV Division of Env Protection	√	√	√				
U.S. Natl Park Service (limited)			√				
White Pine County Commission (limited)			√				
KEY:   √  - Present    E - Excused   V - Vacant   U - Unexcused							

# **Development of a Communication Outline for the Transition of EM Sites on the Nevada National Security Site (NNSS) – Work Plan Item #3**



**Tiffany Gamero, Regulatory/Federal Facility Agreement  
and Consent Order (FFACO) Lead**  
U.S. Department of Energy (DOE)  
Environmental Management (EM) Nevada Program  
June 18, 2025



# NSSAB - Work Plan Item #3

- From a community perspective, the Nevada Site Specific Advisory Board (NSSAB) will provide a recommendation on specific topics to be included in the final Site Communication Plan for transition and how and to whom it should be communicated
- NSSAB recommendation is due tonight or in September 2025



NSSAB meeting







Well drilled at the NNSS – archive

The EM Nevada Program's long-term monitoring/stewardship responsibilities for NNSS corrective action sites (CASs) are expected to transition in 2030. In preparation for this transition, a Communications Plan will be prepared.



# Transition Communication Plan Contents



Trainshed demolition at the NNSS - May 2025

- Purpose
- Background
- Roles and Responsibilities
- Stakeholders
- Communication Tools
- Key Messages



# Purpose

High-level summary section that will include information on:

- CASs with land-use restrictions and post-closure monitoring requirements.
- Need for transition to a long-term steward upon completion of the EM Nevada Mission.



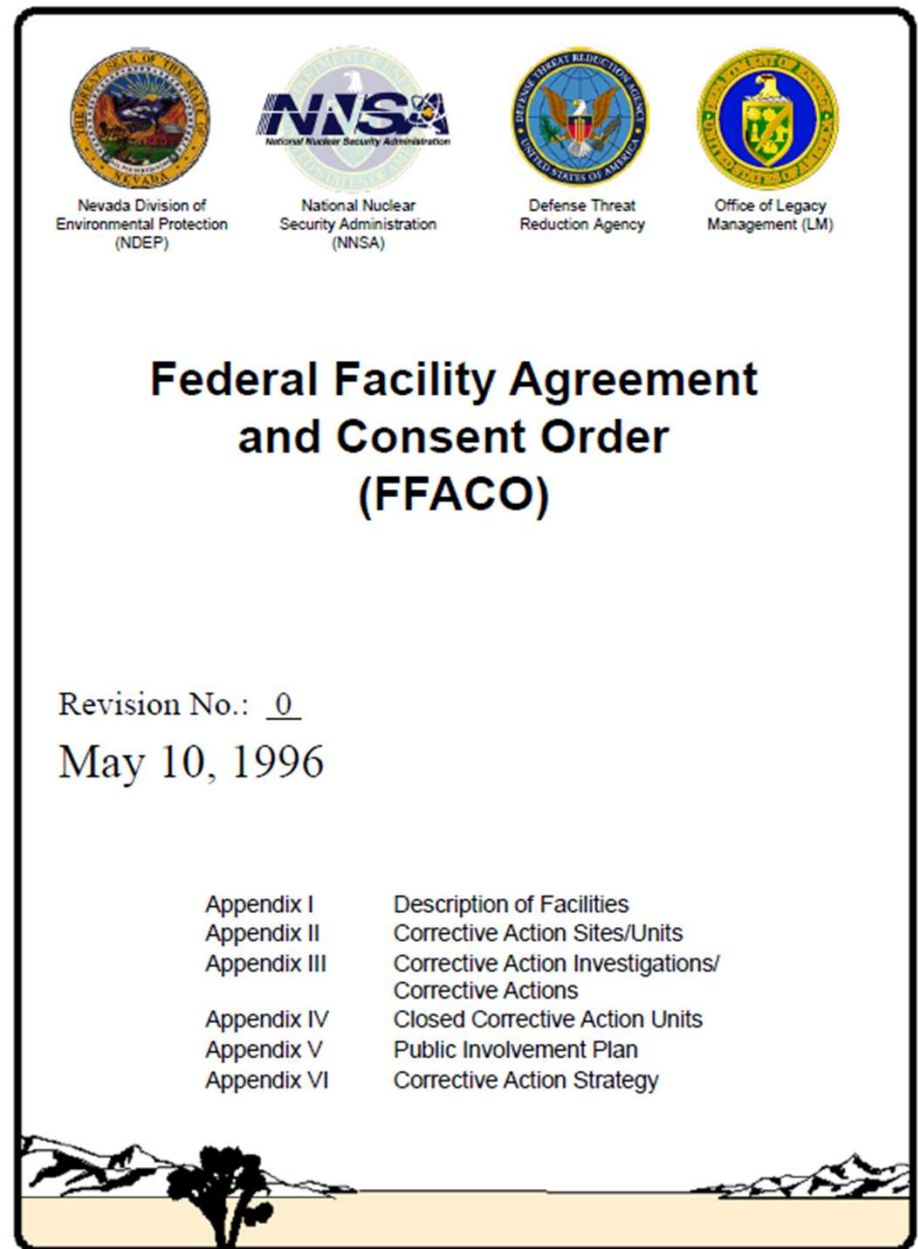
FFACO surveillance and sign maintenance at the NNSS



# Background

This section will summarize the regulatory drivers:

- The FFACO is a regulatory agreement signed by DOE, the U.S. Department of Defense, and the State of Nevada in 1996 and specifies requirements for identifying and addressing sites impacted by DOE nuclear-related activities in Nevada.





# Roles and Responsibilities

Primary DOE contacts will be identified in this section and transition roles and responsibilities specified.



Preparations for drilling at Pahute Mesa



Dismantling of Dewar at Test Cell C

# Stakeholders

Plan will include a list of key stakeholders who will be provided updates on the transition process:

- EM Nevada Program Intergovernmental Liaisons
- Communities surrounding the NNSS
- NSSAB
- Low-Level Waste Stakeholders Forum Representatives
- Nevada Congressional Delegation



NSSAB meeting



# Communication Tools



Groundwater Open House - archive

Mechanisms for keeping stakeholders informed will be identified in the plan and include:

- Briefings
- EM Press Releases
- EM Update News Articles
- Fact Sheets
- Public Notices
- Social Media Posts
- YouTube Videos



# Key Messages

This section includes a list of the key messages that will be communicated to stakeholders:

- The EM Nevada Program completed environmental corrective actions at sites on the NNSS and Nevada Test and Training Range.
- The EM Nevada Program will change over long-term stewardship responsibility for NNSS sites to National Nuclear Security Administration/Nevada Field Office (NNSA/NFO).\*
- The FFACO sites will remain restricted from public access.

\*Transfer to NNSA/NFO is assumed at this time but is subject to change





# Questions



EM Nevada Program Subject Matter Expert (SME):  
Tiffany Gamero

Navarro SMEs:  
Irene Farnham, Dona Murphy, and Glenn Puit



# NSSAB Path Forward – Work Plan Item #3

- From a community perspective, the NSSAB will provide a recommendation on specific topics to be included in a final Site Communication Plan for transition and how and to whom it should be communicated
- NSSAB recommendation is due tonight or in September 2025



NSSAB meeting





F500 Encapsulating Agent (EA) & F500 EA Firefighting  
Trailer Training, July 9, 2024.

Nye County DEM purchased two F500 EA FF Trailers and  
one pallet of F500 EA via the FY21 EPWG Grant, funded  
by DOE.

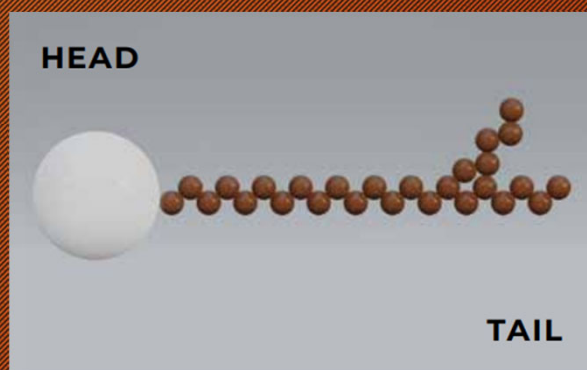
Scott Lewis  
NSSAB Meeting, June 18<sup>th</sup>, 2025



## About F500 Encapsulating Agent (EA)

**THE BENEFITS OF NEW TECHNOLOGY:** Today's fires are burning hotter and faster than ever before. We are faced with new and highly hazardous materials every day. So, why are many fire departments and industry leaders fighting today's fires with yesterday's technology? Encapsulator Agents, like F-500 EA®, are a type of water additive whose basic building blocks are spherical micelles. While foam mechanically separates fuel from oxygen, F-500 EA® works on a molecular level, altering the chemical makeup of water droplets and providing several advantages

**HOW DOES AN F500 EA MOLECULE BEHAVE IN SOLUTION?:** F-500 Encapsulator Agent starts as a large amphipathic molecule, containing both a hydrophilic polar head and hydrophobic non-polar tail that act independently. When mixed with water, these molecules will instantly form billions of micro spherical micelles as non-polar tails turn inward, avoiding water at all costs. Encapsulator Agents immediately reduce the surface tension of water. This makes droplets smaller, creating more surface area to rapidly absorb heat and better penetrate the pores of solid material.





**\* UNIQUE FEATURES**

**SPECIAL CHARACTERISTICS CONTRIBUTING TO THE ADVANCED EFFECTIVENESS OF F-500 EA®**

**1 ENCAPSULATION**

Encapsulation of polar and non-polar fuels provided by F-500 EA® reduces the risk of re-ignition in the form of stable and long-term burn back resistance.

**2 RAPID HEAT REDUCTION**

F-500 EA® molecules form an outer layer of agent on each droplet. This drives heat internally where micro spherical micelles rapidly absorb thermal energy.

**3 FREE RADICAL INTERRUPTION**

F-500 EA® proactively reduces the concentration of harmful hydrocarbons present in smoke and soot by interrupting the free radical chain reaction.

**4 ECO-FRIENDLY**

F-500 EA® is a fluorine free, noncorrosive, and biodegradable solution capable of extinguishing three-dimensional multi-class hazards.

**HAZARD CONTROL TECHNOLOGIES**

150 WALTER WAY, FAYETTEVILLE, GEORGIA 30214 / +1 770 719 5112 / INFO@HCT-WORLD.COM / HCT-WORLD.COM





Above: Pouring gasoline into a metal trough; Right: F500 EA can render gasoline nonflammable and nonignitable







Left: igniting a piece of magnesium; Right: pouring water on burning magnesium. NOTE: magnesium burns hot enough to separate water molecules (autoignition temperature is approximately 883 degrees F; and burns at approximately 5,612 degrees F), because hydrogen is flammable and oxygen is what fire needs to get bigger.





Upper left: Extinguishing burning magnesium with F500 EA; Lower right SECONDS later it is cool enough to pick up (remember the temperature at which magnesium burns?)







Upper left: dousing stack of pallets on right with diesel fuel; Lower right: dousing stack of pallets on left with F500 EA







Extinguishing fire with F500 EA (notice anything on the stack to the left?)







Upper left: Seconds later the burning stack is cool enough to touch. Lower right: The stack of pallets on the left did not ignite and won't ignite with the use of a propane torch.







Left: Dousing tires with diesel fuel; Right: Burning tires





Upper left: Initial attack on burning tires with F500 EA; Lower right: extinguishing tire fire with F500 EA (a matter of seconds, and yes, seconds later they were cool enough to touch)







Setting up to test out the F500 EA firefighting trailer





Testing the F500 EA firefighting trailer





## EXPLORING

# FIRE PROTECTION

The four unique features of F-500 EA® offer countless benefits for both fire suppression and flammable spill control applications.

TESTING SHOWS THAT EVEN A 1% SOLUTION OF F-500 EA® CAN DRASTICALLY REDUCE THE AMOUNT OF WATER NEEDED TO EXTINGUISH A FIRE



BENEFIT	EA	WATER	FFF
STABLE BURN BACK RESISTANCE	✓	×	×
ADVANCED COOLING	✓	×	×
RAPID KNOCKDOWN	✓	×	×
INCREASED VISIBILITY	✓	×	×
SMOKE + SOOT REDUCTION	✓	×	×
CARCINOGEN REDUCTION	✓	×	×
SCALDING STEAM ELIMINATION	✓	×	×
MINIMIZED RUNOFF	✓	×	×

HAZARD CONTROL TECHNOLOGIES

150 WALTER WAY, FAYETTEVILLE, GEORGIA 30214 / +1 770 719 5112 / INFO@HCT-WORLD.COM / HCT-WORLD.COM





Lithium-Ion Battery Fire on US 95  
9/17/24





## Responding Agencies:

Pahrump Valley Fire & Rescue

NNSS Fire & Rescue

Nye County Emergency Management

Nye County Sheriff's Office

Nevada State Police

Las Vegas Fire & Rescue HazMat



By [Rachel Zalucki](#)

*Published: Sep. 17, 2024 at 5:36 AM PDT | Updated: 3 hours ago*

LAS VEGAS, Nev. (FOX5) - Nevada State Police are responding to a fiery crash involving two semi-trucks on Tuesday morning.

The crash occurred on US 95 near mile marker 13 in Nye County. Troopers add that one truck was hauling wood and the other was hauling 31,000 pounds of lithium batteries, which sparked an electrical fire.

Both drivers are okay and have reported only minor injuries.

North and southbound US 95 lanes will remain shut down while crews work to clean the scene, and until an investigation is complete. Troopers say they expect the closure to last all day.

Drivers are advised to pass the crash through Pahrump and avoid the area.

*Copyright 2024 KVVU. All rights reserved.*

VIDEO TAKEN BY PVFR









































NDEP # 240918-01

Report Date: 9/18/2024 Report Time: 11:24 AM

Incident Date: 9/17/2024 Incident Time: 5:00 AM



Complaint/Spill Report Form

State of Nevada

Telephone: (888) 331-6337

Fax: (775) 687-8335

Do You Want to Remain Anonymous? No

Reporting Person: Carlos Cobos

Reporting Agency: Broadbent & Associates

Reporter Email: ccobos@broadbentinc.com

Address: 8 West Pacific Avenue

Phone: (702)351-3157

City: Henderson

State: NV Zip: 89015

Discharger/Owner/Operator of Facility: Speed Intermodal

Address: 3732 Farmington Rd.

DOT#: 2418540

City: Stockton

State: CA Zip: 95215

Contact Person: Bhatti Sanjeev

Phone: (925)352-0333

APN#: \_\_\_\_\_ UST Facility ID / BWPC Permit #: \_\_\_\_\_

Facility Address if different from discharger: not applicable

City: Amargosa Valley

State: NV County: Nye County

Location of

Complaint/Spill:

The release occurred off the shoulder of US Highway 95 east of mile marker 13 before mile marker 12.

Township: \_\_\_\_\_ Range: \_\_\_\_\_ Section: \_\_\_\_\_ Q.Q2: \_\_\_\_\_ Mile Marker: 12/13

Easting: \_\_\_\_\_ Northing: \_\_\_\_\_

Type of Material Discovered: \_\_\_\_\_

Material Description: \_\_\_\_\_

Concentration / Analytical Data: unknown

Quantity Found: 50ft trailer of auto batteries

Container: \_\_\_\_\_

Media Affected: Soil

If UST, Confirmed Visually? No

Cause of Complaint/Spill:

A road accident occurred between two trucks off US Highway 95. As a result of the accident, a tractor trailer loaded with auto batteries containing lithium ion caught fire releasing chemical and debris onto native soil.

Remedial Action Taken:

The fire was contained and extinguished on the morning of the incident. Clean-up and excavation of the area is scheduled for Friday 9/20 by Ten-West Environmental.

Oversite/Enforcement:

NDEP BCA Remediation/Mobile Source North

Email Address:

jkinder@ndep.nv.gov; ssmale@ndep.nv.gov; cenberg@ndep.nv.gov

rpiekarz@dot.state.nv.us; jmurphy@dot.state.nv.us;

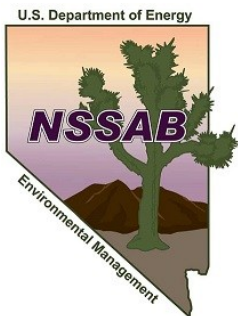
msimmons@dot.state.nv.us; jperock@dot.state.nv.us; jhwalker@dot.nv.gov;

bdawson@dot.nv.gov; kreid@dot.nv.gov

slewis@pahrumprv.org; DPlazenby@co.nye.nv.us;

cc: NDOT





# ***Chair & Vice-Chair Responsibilities***

## **What are the Chair responsibilities?**

- Serves as the Chair for 12 months (October 1 - September 30)
- Assists in the development of draft meeting agendas by attending agenda conference calls (about 1 hour)
- Leads full board meetings and ensures all members have the opportunity to participate
- Certifies to the accuracy of all minutes within 7 days of receipt
- Signs recommendations that the Board has passed
- Serves as spokesperson for the NSSAB between regular meetings of the Board
- Attends EM SSAB National Chairs meetings semi-annually and provides NSSAB's round robin to EM Senior Leadership
- Adheres to all standard NSSAB member responsibilities (i.e. attendance requirements, etc.)

## **What are the Vice-Chair responsibilities?**

- Serves as the Vice-Chair for 12 months (October 1 - September 30)
- Assists in the development of draft meeting agendas by attending agenda conference calls (about 1 hour)
- Acts as the NSSAB chair in the absence of the elected chair
- Attends EM SSAB National Chairs meetings semi-annually
- Adheres to all standard NSSAB member responsibilities (i.e. attendance requirements, etc.)

***Please contact the NSSAB office by COB on September 1 and advise if you are willing to be considered for the FY 2026 Chair and/or Vice-Chair positions.***