



Nevada Site Specific Advisory Board

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**Full Board Meeting Handouts for
Wednesday, September 16, 2015**

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choose the radio button-Pages and enter just the pages that you want printed, then
choose print**

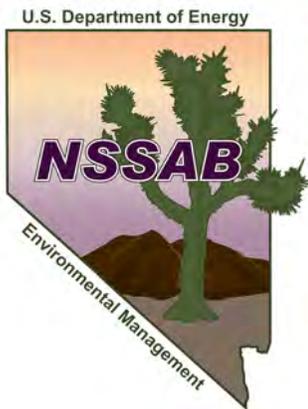
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NSSAB MEETING ATTENDANCE

Full Board Meetings

October 2014 through September 2015 (FY 2015)

Name	11/19/14	1/21/15	2/18/15	3/25/15	5/20/15	7/15/15	9/16/15	Max Terms
MEMBERS								
Michael Anderson	E	√	√	E	√	√		2020
Amina Anderson	√	√	√	√	√	E		2020
Michael D'Alessio	√	√	√	√	E	√		2020
Pennie Edmond	√	√	√	√	√	E		2020
Donna Hruska	√	√	√	√	√	√		2016
Janice Keiserman	√	√	√	√	√	√		2018
James Manner	√	√	√	√	√			2020
Michael Moore	√	√	√	√	√	E		2016
Donald Neill	√	√	√	√	√	√		2020
Edward Rosemark	√	√	√	√	√	√		2018
Steve Rosenbaum	√	√	√	√	√	√		2020
William Sears	√	√	√	√	√	E		2018
Thomas Seley	√	√	√	√	√	√		2020
Cecilia Flores Snyder	√	√	E	√	√	√		2020
Jack Sypolt	√	√	E	√	√	√		2017
James Tallant	√	√	√	E				2020
Francisca Vega	√	√	E	√	√	E		2020
LIAISONS								
Clark County	√	√	E	√	√	√		
Consolidated Group of Tribes and Organizations	√	√	E	E	E	√		
Elko County Commission	U	U	V					
Esmeralda County Commission	E	E	√	E	E	E		
Lincoln County Commission	U	U	E					
Nye County Commission	E	E	U	U	U	√		
Nye Co. Nuclear Waste Repository Project Office	√	√	√	√	√	√		
State of NV Division of Env Protection	√	√	√	√	√	√		
U.S. Natl Park Service	E	√	E	√	E	√		
White Pine Co. Commission	U	U	U					
KEY: √ = Present V=Vacant E = Excused U = Unexcused RM = Remove RS = Resign								



Nevada Site Specific Advisory Board

September 16, 2015

Members

Michael Anderson
Amina Anderson
Michael D'Alessio
Pennie Edmond
Donna Hruska, Chair
Janice Keiserman, Vice Chair
Michael Moore
Donald Neill
Edward Rosemark
Steve Rosenbaum
William Sears
Thomas Seley
Cecilia Flores Snyder
Jack Sypolt
Francisca Vega

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Consolidated Group of Tribes
and Organizations
Esmeralda County Commission
Nye County Commission
Nye County Nuclear Waste
Repository Project Office
State of Nevada Division of
Environmental Protection
U.S. National Park Service

Administration

Barbara Ulmer, Administrator
Navarro
Kelly Snyder, DDFO
U.S. Department of Energy,
Nevada Field Office

Ms. Kelly K. Snyder
Deputy Designated Federal Officer
U.S. Department of Energy, Nevada Field Office
P. O. Box 98518
Las Vegas, NV 89193-8518

SUBJECT: Recommendation for Communication Improvement Opportunities
(Work Plan Item #10)

Dear Ms. Snyder,

The Nevada Site Specific Advisory Board (NSSAB) developed a work plan item to provide recommendations, from a community perspective, to the U.S. Department of Energy (DOE) on ways that DOE can improve/enhance communication to the public (i.e. presentations, open houses, documents, fact sheets). Interim suggestions from NSSAB Members were documented in the official minutes of each Full Board meeting.

During fiscal year 2015, the NSSAB made the following recommendations for ways DOE can improve/enhance communication to the public:

- The NSSAB tour was very informative, but the tour guide for future NSSAB tours should have a dynamic presentation and anecdotes and stories that assist attendees in remembering locations/facts regarding the tour of the Nevada National Security Site.
- DOE should consider including information on unrelated topics at its public events, for example, waste management, waste transportation, Office of Secure Transportation information at a Groundwater Open House.
- DOE should advertise NSSAB meetings/events at vegasinc.com and in *The Sunday*.
- DOE should contact editors of media outlets with the NSSAB's meeting dates after the schedule has been approved at the annual September planning meeting. This will provide editors the NSSAB meeting dates in advance to include in the community calendars section.

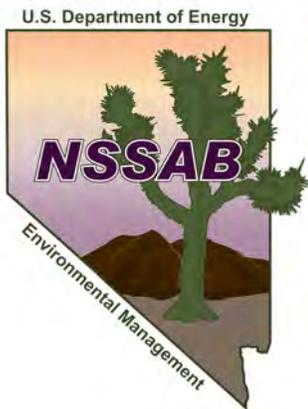
- DOE speakers should provide definitive answers for items that the NSSAB is asked to make an informed decision rather than providing copious details of possible but improbable scenarios.
- DOE should offer short informational videos at DOE public events and NSSAB meetings.
- DOE should continue to do news releases before each NSSAB meeting to increase community awareness and involvement.
- DOE should consider holding more NSSAB meetings in rural communities who have a more vested interest in the activities at the NNSS.
- DOE should make business cards with NSSAB contact information and fact sheets pertinent to the meeting's agenda available at the meetings as an immediate source to answer public questions.
- DOE should make accommodations for NSSAB members to introduce themselves and the community that they represent at each meeting; so the public can contact them during the breaks or in their communities.
- DOE should replace the display holders at the Mercury cafeteria as the current display holders do not hold the fact sheets upright so people can see them and some of the slots on the bottom tiers are too low to be comfortably viewed.
- DOE should make regular tour opportunities available for the Community Environmental Monitors in the Community Environmental Monitoring Program.
- DOE should make a binder of fact sheets relating to Environmental Management activities available to the public at all NSSAB Full Board meetings.

The Board appreciates the opportunity to provide meaningful input to DOE on ways to enhance/improve communication to the public.

Sincerely,

Donna L. Hruska, Chair

cc: D. A. Borak, DOE/HQ (EM-3.2)
M. R. Hudson, DOE/HQ (EM-3.2)
E. B. Schmitt, DOE/HQ (EM-3.2)
R. F. Boehlecke, NFO
C. G. Lockwood, NFO
S. A. Wade, NFO
B. K. Ulmer, Navarro
NSSAB Members and Liaisons



Nevada Site Specific Advisory Board

September 16, 2015

Mr. Frank Marcinowski
Deputy Assistant Secretary for Waste Management
U.S. Department of Energy
1000 Independence Ave. SW
Washington DC 20585

Mr. Robert F. Boehlecke
Environmental Management Operations Manager
U.S. Department of Energy, Nevada Field Office
P. O. Box 98518
Las Vegas, NV 89193-8518

SUBJECT: Recommendation Regarding Low-Level Waste (LLW) Transportation through Nevada

Dear Mr. Marcinowski and Mr. Boehlecke,

The Nevada Site Specific Advisory Board (NSSAB) has predominantly supported LLW disposal at the Nevada National Security Site (NNSS) and supports that continued activity. In conjunction with waste disposal activities, the NSSAB has become more involved in understanding waste transportation activities. At its July 2015 Full Board meeting, the NSSAB had the opportunity to receive information on radiological basics, radioactive material shipping packages, and hazard recognition. In addition, a presentation was also given by Nye County officials on their perspectives on LLW transportation to the NNSS.

The Board is aware that many of the issues related to transportation are dictated by non-Department of Energy (DOE) entities, such as the Department of Transportation. However, the Board feels it is important for the DOE to take a more active role in ensuring communities on LLW transportation routes, both at the local/county government and community levels, are being actively consulted with and have an opportunity to participate in transportation related decisions. We recommend that this be done from both DOE Headquarters (HQ) and the Nevada Field Office (NFO).

The NSSAB makes the following specific recommendations to DOE HQ and the NFO regarding transportation:

- DOE HQ and the NFO should pursue partnering with local governments in Nevada to create safe havens in Nevada communities along LLW transportation routes to the NNSS, in particular Pahrump, for carriers who transport LLW shipments to the NNSS.

Members

Michael Anderson
Amina Anderson
Michael D'Alessio
Pennie Edmond
Donna Hruska, Chair
Janice Keiserman, Vice Chair
Michael Moore
Donald Neill
Edward Rosemark
Steve Rosenbaum
William Sears
Thomas Seley
Cecilia Flores Snyder
Jack Sypolt
Francisca Vega

Liaisons

Clark County
Consolidated Group of Tribes
and Organizations
Esmeralda County Commission
Nye County Commission
Nye County Nuclear Waste
Repository Project Office
State of Nevada Division of
Environmental Protection
U.S. National Park Service

Administration

Barbara Ulmer, Administrator
Navarro
Kelly Snyder, DDFO
U.S. Department of Energy,
Nevada Field Office

- DOE HQ and the NFO should review the existing Nevada transportation routes in regard to road conditions and explore ways to help obtain additional funding for safeguards and improvements to ensure the ultimate safety for shipping of LLW to the NNSS.
- DOE HQ should continue to support/fund Transportation Emergency Preparedness Program training for emergency responders from communities near and/or on LLW transportation routes throughout the country.
- DOE HQ and the NFO should explore ways to increase funding for rural emergency preparedness support, in addition to the \$0.50 a cubic foot grant.
- The NFO should reestablish the Transportation Working Group, or similar forum for Nevada stakeholders, which was an avenue that allowed for multiple entities, organizations, and others to address local concerns regarding necessary improvements to transportation infrastructure along LLW shipment routes.

The Board appreciates the opportunity to provide this recommendation to DOE relating to the transportation of LLW to the NNSS.

Sincerely,

Donna L. Hruska, Chair

cc: D. A. Borak, DOE/HQ (EM-3.2)
M. R. Hudson, DOE/HQ (EM-3.2)
E. B. Schmitt, DOE/HQ (EM-3.2)
C. G. Lockwood, NFO
K. K. Snyder, NFO
S. A. Wade, NFO
B. K. Ulmer, Navarro
NSSAB Members and Liaisons



Nevada Site Specific Advisory Board

May 20, 2015

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 Repository Project Office
 State of Nevada Division of
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Navarro
 Kelly Snyder, DDFO
*U.S. Department of Energy,
 Nevada Field Office*

Mr. Robert F. Boehlecke
 Environmental Management Operations Manager
 U.S. Department of Energy, Nevada Field Office
 P. O. Box 98518
 Las Vegas, NV 89193-8518

SUBJECT: Recommendation for Corrective Action Alternatives for Corrective Action Unit (CAU) 568, Area 3 Plutonium Dispersion Sites (Work Plan Item #2)

Dear Mr. Boehlecke,

The Nevada Site Specific Advisory Board (NSSAB) was asked to provide a recommendation, from a community perspective, to the U.S. Department of Energy on which corrective action alternative should be presented to the State of Nevada Division of Environmental Protection for CAU 568, Area 3 Plutonium Dispersion Sites. The NSSAB considered Corrective Action Alternatives of clean closure or closure in place with use restrictions as identified in the Federal Facility Agreement and Consent Order.

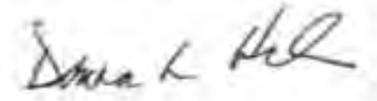
The NSSAB has completed the requested review of the three sites in CAU 568 and recommends the following corrective action alternatives:

Site	Corrective Action Alternative Recommended by NSSAB
Well Head Covers – San Juan, Luna, Valencia (CASs 03-23-23, 03-23-31, 03-23-33)	Clean Closure
Four Soil/Debris Piles (CASs 03-08-04, 03-23-30)	Closure in Place for Soil and Debris Piles (Eastern, Central, and Western) Clean Closure for High Contamination Area Soil Pile
Lead Shot and Debris (CAS 03-26-04)	Clean Closure

Robert Boehlecke
May 20, 2015
Page 2

Thank you for the opportunity to provide a recommendation on this work plan item for CAU 568. The NSSAB appreciates the time federal and contractor staff provided the NSSAB in briefing the subject and answering questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Donna L. Hruska", is centered below the word "Sincerely,".

Donna L. Hruska, Chair

cc: D. A. Borak, DOE/HQ (EM-3.2)
M. R. Hudson, DOE/HQ (EM-3.2)
E. B. Schmitt, DOE/HQ (EM-3.2)
T. A. Lantow, NFO
C. G. Lockwood, NFO
K. K. Snyder, NFO
S. A. Wade, NFO
B. K. Ulmer, Navarro
NSSAB Members and Liaisons



Department of Energy
National Nuclear Security Administration
Nevada Field Office
P.O. Box 98518
Las Vegas, NV 89193-8518



JUL 22 2015

Donna L. Hruska, Chair
Nevada Site Specific Advisory Board
232 Energy Way
North Las Vegas, NV 89030

**RESPONSE TO NEVADA SITE SPECIFIC ADVISORY BOARD (NSSAB)
RECOMMENDATION REGARDING CORRECTIVE ACTION UNIT (CAU) 568: AREA 3
PLUTONIUM DISPERSION SITES, EVALUATION OF CORRECTIVE ACTION
ALTERNATIVES (WORK PLAN ITEM #2)**

I would like to thank the NSSAB for taking the time to provide recommendations regarding the corrective action alternatives at CAU 568: Area 3 Plutonium Dispersion Sites. Six Corrective Action Sites (CASs) at CAU 550 exceeded the action levels, and the NSSAB evaluated each site for the corrective action alternatives of clean closure or closure in place with use restrictions. The Board's recommendations are as follows:

Site	Corrective Action Alternative Recommended by NSSAB
Well Head Covers – San Juan, Luna, Valencia (CASs 03-23-23, 03-23-31, 03-23-33)	Clean Closure
Four Soil/Debris Piles (CASs 03-08-04, 03-23-30)	Closure in Place for Soil and Debris Piles (Eastern, Central, and Western) Clean Closure for High Contamination Area Soil Pile
Lead Shot and Debris (CAS 03-26-04)	Clean Closure

The NSSAB's recommendations for CAU 568 were communicated to the Nevada Division of Environmental Protection (NDEP) during the Corrective Action Alternatives meeting for CAU 568. Based on the discussion during the meeting, and subsequent discussions with NDEP, DOE intends to propose clean closure for all six CASs in the Corrective Action Decision Document. While the NSSAB had recommended closure in place for the three soil and debris piles that are likely contaminated by lead, it was agreed during the meeting that clean closure was the appropriate selected alternative, as the cost to characterize the piles for use restriction would exceed the cost of clean closure.

The Nevada Field Office Environmental Management Operations Activity appreciates the support of the NSSAB in this endeavor and the efforts made by the Board to provide recommendations. As always, the NSSAB's input is valued and your efforts are greatly appreciated.

Please direct comments and questions to Kelly Snyder at (702) 295-2836.



Tiffany A. Lantow, Soils Activity Lead
Environmental Management Operations

EMO:11418.TL

cc via e-mail:

D. A. Borak, DOE/HQ (EM-3.2)
M. R. Hudson, DOE/HQ (EM-3.2)
E. B. Schmitt, DOE/HQ (EM-3.2)
B. K. Ulmer, Navarro
NSSAB Members and Liaisons
R. F. Boehlecke, NFO
T. A. Lantow, NFO
K. K. Snyder, NFO
NFO Read File



Nevada Site Specific Advisory Board

May 20, 2015

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Nye County Nuclear Waste
Repository Project Office
State of Nevada Division of
Environmental Protection
U.S. National Park Service

Administration

Barbara Ulmer, Administrator
Navarro
Kelly Snyder, DDFO
*U.S. Department of Energy,
Nevada Field Office*

Mr. David A. Borak, Designated Federal Officer
Office of Environmental Management (EM-3.2)
100 Independence Ave., SW
Washington, DC 20585

SUBJECT: Conference Attendance for Environmental Management (EM)
Site-Specific Advisory Board (SSAB) Members

Dear Mr. Borak:

Recently, two Board members were scheduled to go to the Waste Management Symposia 2015. However, close to the conference date the Board was told that the Nevada Field Office could only send one Board member. This was a result of Headquarter-directed attendee restrictions. Field locations were directed to limit the number of attendees to a Headquarter prescribed number for each category of attendees (e.g., federal or contractor). Unfortunately, the federal employees category also encompassed advisory board members; as there is no category established for just advisory board members. As a result, the Nevada Field Office had to choose between sending a federal programmatic employee vs an advisory board member even though funding was available for both individuals to attend.

The NSSAB feels that it would be beneficial to the Board and the DOE to allow multiple Board members to attend conferences, as there are dual sessions that are of interest and value. It is the NSSAB's recommendation that the Department of Energy (DOE) create an advisory board attendee category within the conference management system, similar to the federal and contractor categories. This would allow field offices to identify which conferences are endorsed and allocate the number of advisory board member(s) spots, contingent on local funding availability.

The NSSAB appreciates the opportunity to provide input to the DOE in regard to this matter.

Sincerely,

Donna L. Hruska, Chair

David Borak
May 20, 2015
Page 2

cc: K. G. Ellis, DOE/HQ (EM-3.2)
E. B. Schmitt, DOE/HQ (EM-3.2)
R. F. Boehlecke, NFO
C. G. Lockwood, NFO
K. K. Snyder, NFO
B. K. Ulmer, Navarro
NSSAB Members and Liaisons



Department of Energy
Washington, DC 20585

July 16, 2015

Ms. Donna L. Hruska
Chair, Nevada Site Specific Advisory Board
232 Energy Way, M/S 505
North Las Vegas, Nevada 89030

Dear Ms. Hruska:

Thank you for your May 20 letter regarding conference attendance for Environmental Management Site-Specific Advisory Board (EM SSAB) members. I share your views that there is value in sending EM SSAB members to EM-related conferences.

For certain highly-attended conferences, the field offices may be limited in the number of individuals they can send, regardless of their category. The Department of Energy cannot add a separate organizational field to the conference management database for the advisory boards; however, we can consider, on a case-by-case basis, reporting EM SSAB attendance in the database under the EM-3 Headquarters organization "Other Attendee" category. This should help relieve any competition for approval between field or site Federal and contractor employees and EM SSAB members when conference attendance restrictions are in place. I believe this will address your concerns.

If you have any questions, please contact me at (202) 586-9928 or Kristen Ellis, Director, Office of Intergovernmental and Community Activities, at (202) 586-5810.

Sincerely,

A handwritten signature in blue ink that reads "David Borak".

David Borak
Designated Federal Officer
Environmental Management
Site-Specific Advisory Board



Nevada Site Specific Advisory Board

May 20, 2015

Members

Michael Anderson
Amina Anderson
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Pennie Edmond
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*U.S. Department of Energy,
Nevada Field Office*

Mr. Robert F. Boehlecke
Environmental Management Operations Manager
U.S. Department of Energy, Nevada Field Office
P. O. Box 98518
Las Vegas, NV 89193-8518

SUBJECT: Recommendation for Soils Quality Assurance Plan
(Work Plan Item #4)

Dear Mr. Boehlecke,

The Nevada Site Specific Advisory Board (NSSAB) was asked to provide recommendations, from a community perspective, to the U.S. Department of Energy (DOE) on ways that the Soils Quality Assurance Plan could be improved or enhanced.

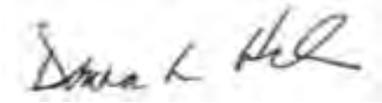
After receiving a briefing, review of the document and further deliberation, the NSSAB recommends that the following improvements and enhancements are considered for the next revision:

- Ensure all original records can be accessed (Section 1.8)
- Clarify the acceptable ranges by referencing the precision and accuracy criteria (Section 4.2)
- Review the terms corrective actions and corrective action plans for potential clarification (Section 1.3.3)
- Verify that subcontractor's quality assurance plan meets all the criteria of the DOE quality assurance plan; if there is a conflict, the DOE quality assurance plan must take precedence (Section 3.0)
- Clarify the word, "sample" (Section 2.5.2.2)
- Secure backup documents in accordance with security requirements (Section 1.8.3)
- Confirm all backups and encryption meet Federal requirements (Section 1.7)

Robert Boehlecke
May 20, 2015
Page 2

The Board wishes to thank the Soils Activity for the opportunity to provide meaningful input to DOE in regard to this Work Plan item.

Sincerely,

A handwritten signature in black ink, appearing to read "Donna L. Hruska". The signature is written in a cursive style and is positioned above the printed name.

Donna L. Hruska, Chair

cc: D. A. Borak, DOE/HQ (EM-3.2)
M. R. Hudson, DOE/HQ (EM-3.2)
E. B. Schmitt, DOE/HQ (EM-3.2)
T. A. Lantow, NFO
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B. K. Ulmer, Navarro
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Department of Energy
National Nuclear Security Administration
Nevada Field Office
P.O. Box 98518
Las Vegas, NV 89193-8518



AUG 17 2015

Donna L. Hruska, Chair
Nevada Site Specific Advisory Board
232 Energy Way
North Las Vegas, NV 89030

**RESPONSE TO NEVADA SITE SPECIFIC ADVISORY BOARD (NSSAB)
RECOMMENDATION REGARDING SOILS QUALITY ASSURANCE PLAN (WORK
PLAN ITEM #4)**

I would like to thank the NSSAB for taking the time to provide recommendations regarding the “*Soils Quality Assurance Plan*.” The NSSAB evaluated the Plan with the following question in mind: Are there any improvements or enhancements to be made to the report?

In response to the Boards recommendations, the following changes/clarifications are being made to the Soils Quality Assurance Plan:

- References of Federal data management documents were added to better define the requirements for the continued ability to securely store, access, and backup data.
- The text “acceptable ranges for precision and accuracy” was clarified by adding references to the sections where they are defined.
- The term “corrective action” was being applied to both quality management and environmental remediation. This confusion was eliminated by changing the quality terms to “correct deficiencies” and “verify effectiveness.”
- A statement was added to Section 1.0 to emphasize that “If a participant’s requirement document differs from this QAP, the stricter requirement will take precedence.”
- The term “sample” in the Chain of Custody section was better defined as a field sample that is used to generate decisional data.

It is anticipated that the next revision of the draft Soils Quality Assurance Plan will be available by the end of August 2015. Please let the NSSAB Office know if you would like a copy of the revision when it becomes available.

As always, the support of the NSSAB in this endeavor and the efforts made by the Board to provide recommendations are greatly appreciated.

Please direct comments and questions to Kelly Snyder at (702) 295-2836.



Tiffany A. Lantow, Soils Activity Lead
Environmental Management Operations

EMO:11464.TL

cc via e-mail:

D. A. Borak, DOE/HQ (EM-3.2)
M. R. Hudson, DOE/HQ (EM-3.2)
E. B. Schmitt, DOE/HQ (EM-3.2)
B. K. Ulmer, Navarro
NSSAB Members and Liaisons
R. F. Boehlecke, NFO
T. A. Lantow, NFO
K. K. Snyder, NFO
NFO Read File

Industrial Sites Fiscal Year (FY) 2015 Wrap Up and FY 2016 Planned Activities



Tiffany Lantow

Soils/Industrial Sites Activity Lead
Nevada Site Specific Advisory Board
September 16, 2015



EM *Environmental Management*

safety ❖ performance ❖ cleanup ❖ closure

www.em.doe.gov

Industrial Sites FY 2015 Wrap Up

- Planned: Continue to conduct Resource Conservation and Recovery Act (RCRA), Non-RCRA, and Tonopah Test Range (TTR) post-closure inspections; continue to work on revegetating the remaining Corrective Action Unit (CAU) 111 covers
 - Status: All required post-closure inspections, repairs, and monitoring activities were completed in FY 2015
 - Status: The path forward for CAU 111 revegetation tests is in the planning phase



EM Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

Industrial Sites FY 2015 Wrap Up

(continued)

- Planned: Submit 2014 RCRA, Non-RCRA, and TTR monitoring reports to the State of Nevada Division of Environmental Protection (NDEP)
 - Status:
 - 2014 RCRA Post-Closure Monitoring Report submitted in January 2015
 - 2014 TTR Post-Closure Monitoring Report submitted in March 2015
 - 2014 Non-RCRA Post-Closure Monitoring Report submitted in May 2015



EM Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

Industrial Sites FY 2015 Wrap Up

(continued)

- Planned: Prepare a document consolidating the post-closure monitoring requirements for all sites
 - Status: The document is being developed and a draft is expected to be complete by September 2015



EM Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

Industrial Sites

FY 2016 Planned Activities

- Submit 2015 RCRA, Non-RCRA, and TTR Post-Closure Monitoring Report
- Continue to address revegetation efforts at CAU 111
- Review existing post-closure monitoring/inspection requirements for potential changes

CAU 111 Surveillance and Maintenance



M Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

Proposed FY 2016 NSSAB Work Plan Items

- Revegetation at CAU 111, Area 5 Closed Mixed Waste Cells



EM Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

Soils

FY 2015 Wrap Up and FY 2016 Planned Activities



EM Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

www.em.doe.gov

Remediation Processes

- Corrective Action Investigation Plan (CAIP) – Details the investigation plan and provides information for planning investigation activities
- Site Investigation – Act of conducting field characterization activities
- Corrective Action Decision Document (CADD) – Describes the results of the characterization, multiple corrective action alternatives, and the recommended corrective action alternative and the rationale for its selection
- Corrective Action Plan (CAP) – Plan for implementing the selected corrective action



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Remediation Processes

(continued)

- Closure Field Work - Implementation of the selected corrective action at the site
- Closure Report (CR) – Documented overview and results of corrective actions implemented, closure verification information, and use restriction and monitoring requirements (when applicable)

Note: All documents must be approved by NDEP



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Alternative Remediation Processes

- CADD/CR can be used when only “minor” corrective actions are needed, as agreed to by NDEP
- CADD/CAP can be used when site knowledge gained through characterization and similar historical corrective actions is sufficient, as agreed to by NDEP, for planning corrective actions
- Housekeeping process can be used when removal and disposal of debris/materials (such as batteries or drums) can be easily accomplished, and verification of clean closure is achieved through visual inspection and/or laboratory analysis of soil samples
- Streamlined Approach for Environmental Restoration (SAFER) process may be used only when extensive process knowledge or sampling data exists – this process combines the CAIP, CADD and CAP into one plan



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Soils FY 2015 Wrap Up

- Double Tracks Plutonium Dispersion (CAU 411)
 - Planned: Submit SAFER Plan to NDEP – March 2015
 - Status: Submitted SAFER Plan to NDEP in March 2015 and NDEP approved



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Soils FY 2015 Wrap Up

(continued)



- Clean Slate I Plutonium Dispersion (CAU 412)
 - Planned: Submit SAFER Plan to NDEP – March 2015
 - Status: Submitted SAFER Plan to NDEP in April 2015 and NDEP approved

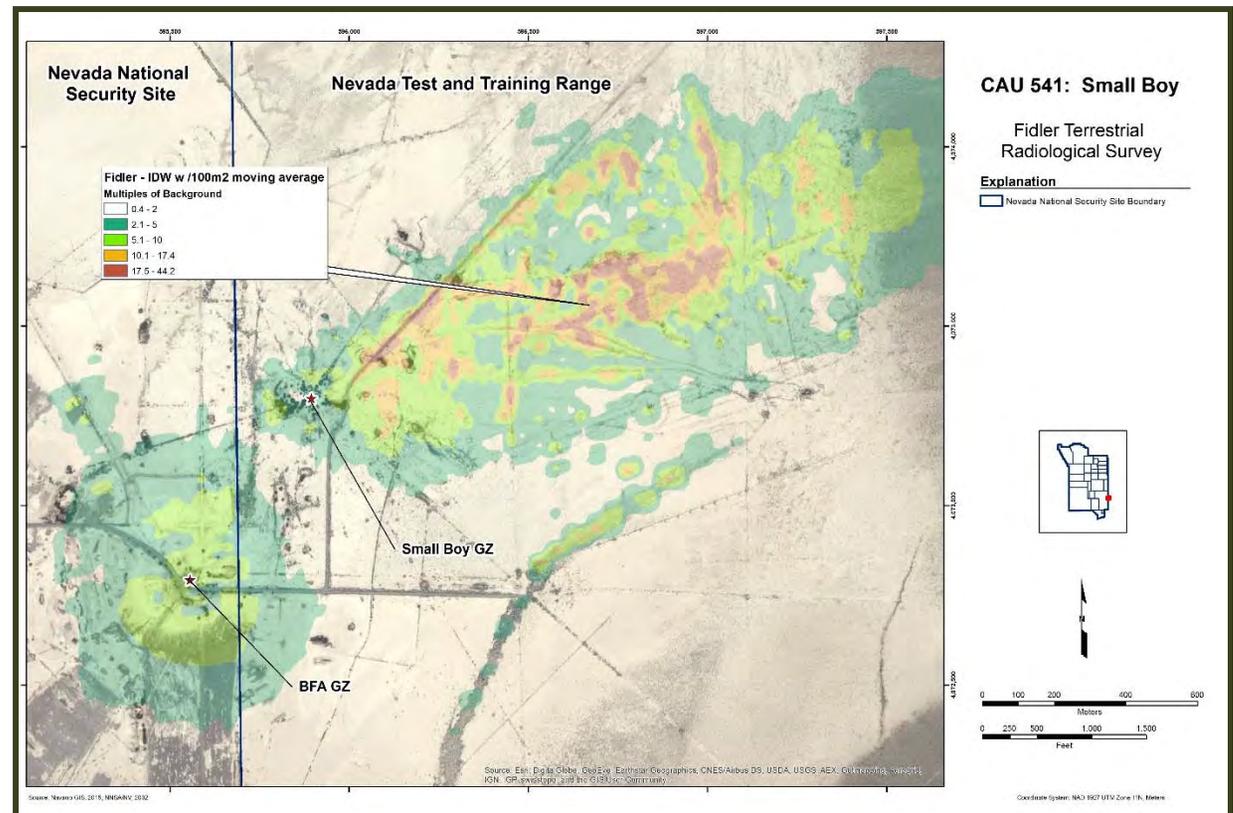


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Soils FY 2015 Wrap Up (continued)

- Small Boy (CAU 541)
 - Planned: Complete field activities – August 2015
 - Status: Field activities completed in May 2015



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 Log No 2015-109

Soils FY 2015 Wrap Up

(continued)



- Area 3 Plutonium Dispersion Sites (CAU 568)
 - Planned: Submit CADD to NDEP – August 2015
 - Status: Submitted CADD to NDEP in August 2015 and NDEP approved



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Soils FY 2015 Wrap Up

(continued)

- Miscellaneous Soil Sites (CAU 567)
 - Planned: Submit CADD/CR to NDEP – December 2014
 - Status: Submitted CADD/CR to NDEP in December 2014 and NDEP approved



Soil Excavation CAU 567



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FY 2015 NSSAB Work Plan Item

- *Provide a recommendation on which corrective action alternative (closure in place or clean closure) should be presented to NDEP for final approval for CAU 568 – Area 3 Plutonium Dispersion Sites*

Status

- NSSAB Recommendation May 2015
- DOE Response July 2015



Worker in San Juan High Contamination Area



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FY 2015 NSSAB Work Plan Item (continued)

- *Provide a recommendation on ways that the Soils Quality Assurance Plan could be improved or enhanced*

Status

- NSSAB Recommendation May 2015
- DOE Response August 2015



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FY 2016 Soils Planned Activities

- Small Boy (CAU 541)
 - Planned: Submit the final CADD/CR to NDEP - May 2016
- Double Tracks Plutonium Dispersion (CAU 411)
 - Planned: Submit the final Closure Report to NDEP - May 2016



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FY 2016 Soils Planned Activities (continued)

- Clean Slate I Plutonium Dispersion (CAU 412)
 - Planned: Submit the final Closure Report to NDEP - June 2016
- Clean Slate II Plutonium Dispersion (CAU 413)
 - Planned: Submit the final CAIP Rev 1 to NDEP - July 2016



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FY 2016 Soils Planned Activities (continued)



- Area 3 Plutonium Dispersion Sites (CAU 568)
 - Planned: Submit the final CAP to NDEP – May 2016
- Alpha Contaminated Sites (CAU 573)
 - Planned: Submit the final CADD to NDEP – April 2016



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Proposed FY 2016 NSSAB Work Plan Items

- Proposed Changes to Long-term Monitoring at Closed Sites
- Air Monitoring Stations at the Tonopah Test Range
- Corrective Action Alternatives for CAU 573, Alpha Contaminated Sites



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Underground Test Area (UGTA) Fiscal Year (FY) 2015 Wrap Up and FY 2016 Planned Activities



Bill Wilborn

UGTA Activity Lead
Nevada Site Specific Advisory Board
September 16, 2015



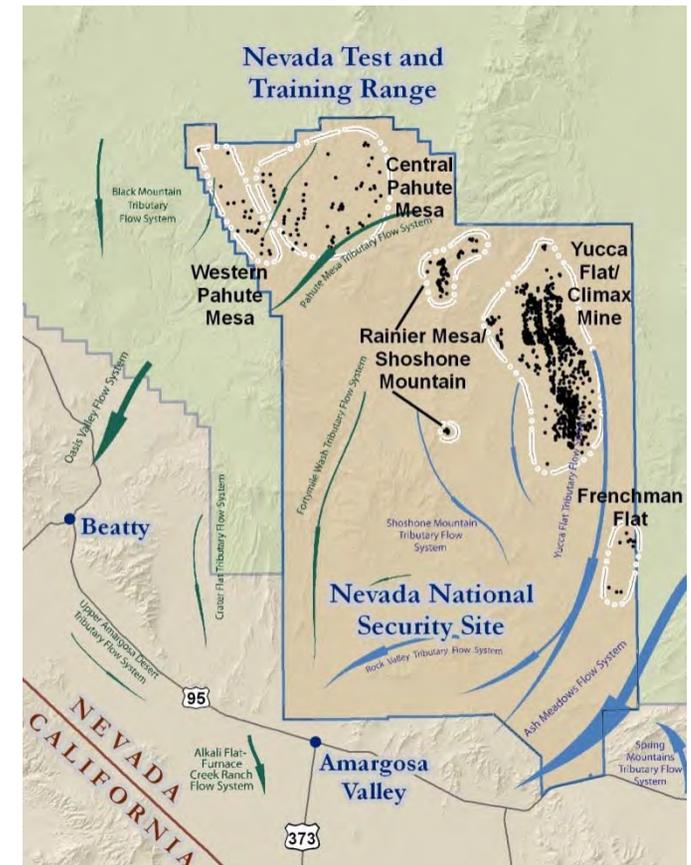
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UGTA Corrective Action Units (CAUs)

- There are five CAUs that make up the UGTA activity:
 - Frenchman Flat (CAU 98)
 - Yucca Flat/Climax Mine (CAU 97)
 - Rainier Mesa/Shoshone Mountain (CAU 99)
 - Central Pahute Mesa* (CAU 101)
 - Western Pahute Mesa* (CAU 102)



**Western and Central Pahute Mesa are managed as one entity*

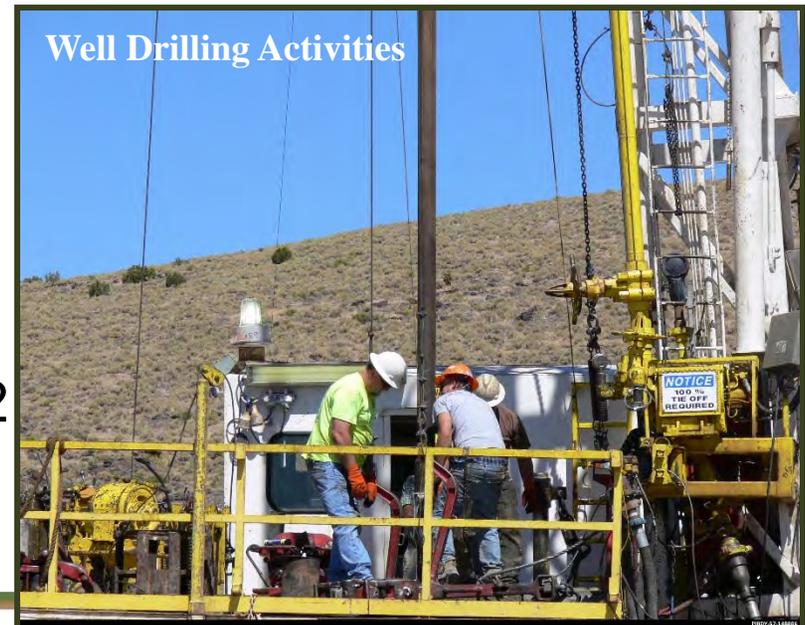


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UGTA FY 2015 Wrap Up

- Planned: Complete final Frenchman Flat Closure Report and submit for State of Nevada Division of Environmental Protection (NDEP) review by September 2015
 - Status: Draft report completed August 2015 and currently under review by NDEP
- Planned: Determine data collection activity for well PM-3 by March 2015
 - Status: Completed on time for drilling of well ER-20-12 in September 2015 as well ER-20-12 was chosen as the collection activity from PM-3



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UGTA FY 2015 Wrap Up

(continued)

- Planned: Complete Yucca Flat External Peer Review
 - Re-plan Corrective Action Decision Document/Corrective Action Plan (CADD/CAP) after technical resolution of External Peer Review recommendations
 - Status: Yucca Flat External Peer Review is complete (NSSAB observed)
 - Status: Prior to moving to CADD/CAP phase, UGTA plans to:
 - Complete multiple evaluation tasks and develop a better defense of current data as recommended by external peer review
 - Drill three new wells in FY 2016



External Peer Review Panel
Receive Briefings During
Yucca Flat Review



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UGTA FY 2015 Wrap Up

(continued)

- Planned: Complete Rainier Mesa Flow and Transport Model Report for NDEP review by July 2015
 - Status: Per the Rainier Mesa Preemptive Review Committee, additional conceptualizations of lateral flow from Rainier Mesa need to be considered and evaluated before flow and transport report can be completed
 - Currently under discussion between Department of Energy (DOE) and NDEP in regard to “modeling needs” based on the Rainier Mesa alternative strategy that describes a closure path more appropriate to forecasted transport off the Nevada National Security Site



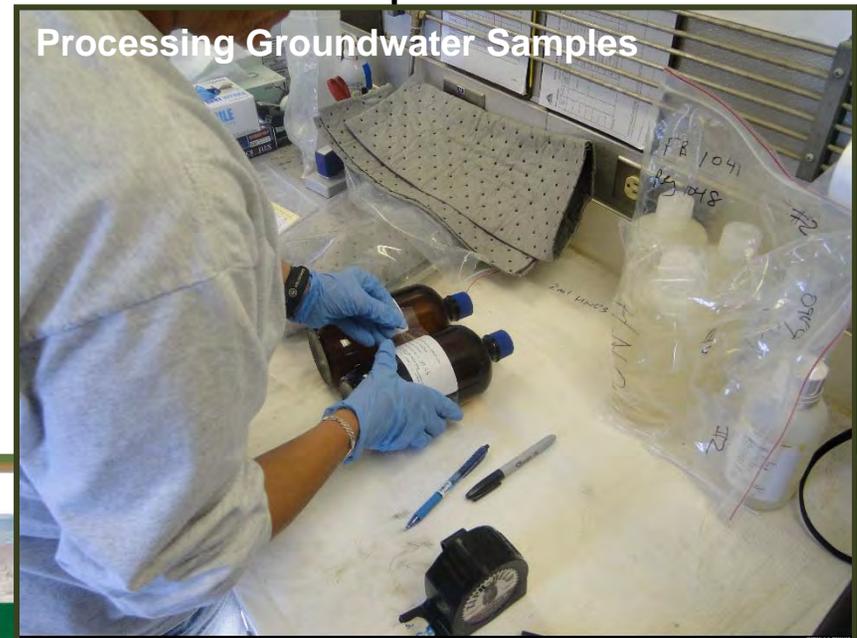
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UGTA FY 2015 Wrap Up

(continued)

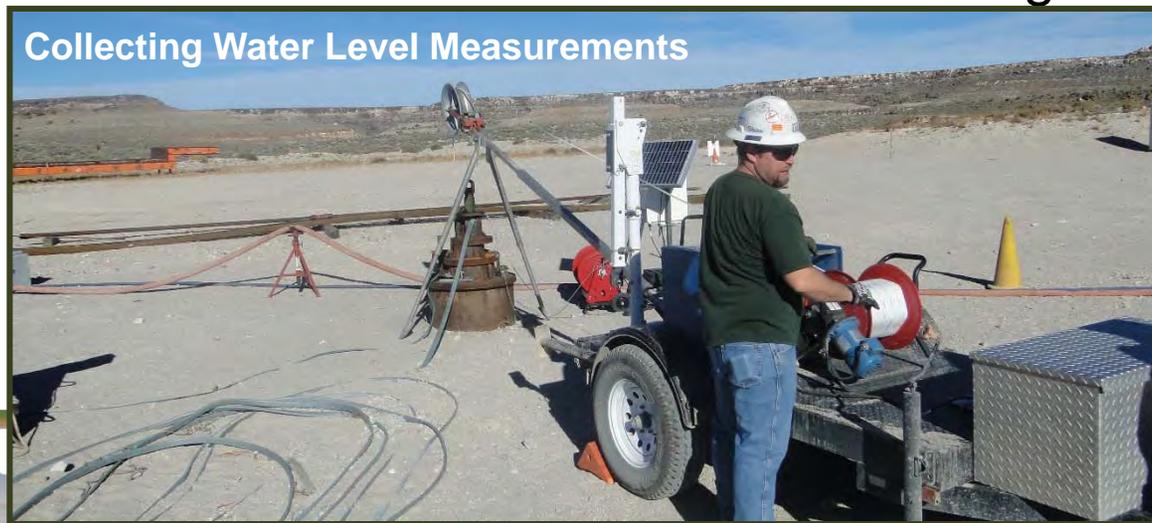
- Planned: Begin Rainier Mesa External Peer Review participant selection by September 2015
 - Status: Currently postponed to July 2017
 - Based on conclusions from discussions between DOE and NDEP and subsequent direction to the Rainier Mesa Preemptive Review Committee on review expectations
- Planned: Complete first annual Sampling Report for all Corrective Action Units by September 2015
 - Status: On schedule for September 2015



UGTA FY 2015 Wrap Up

(continued)

- Planned: Complete Sampling Techniques Testing Report by December 2014
 - Status: Expected December 2015
 - One technique deemed not usable
 - Report needed to be based on multiple sampling events and techniques; so replanned based on newly scheduled field work different from the original plan

**EM**

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FY 2015 NSSAB Work Plan Item

- *Provide a recommendation on possible improvements to the UGTA Quality Assurance Plan or assessment process*

Status

- NSSAB Recommendation February 2015
- DOE Response April 2015



NSSAB Members Observe Groundwater Assessment

UNCLASSIFIED

Nevada
Environmental
Management
Operations Activity

DOE/NV-1450-REV. 1
NNSA
National Nuclear Security Administration

Underground Test Area Activity
Quality Assurance Plan
Nevada National Security Site,
Nevada

Controlled Copy No.: ____
Revision No.: 1

October 2012

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/s/ Joseph P. Johnston, N-1 CG 10/23/2012
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National Nuclear Security Administration
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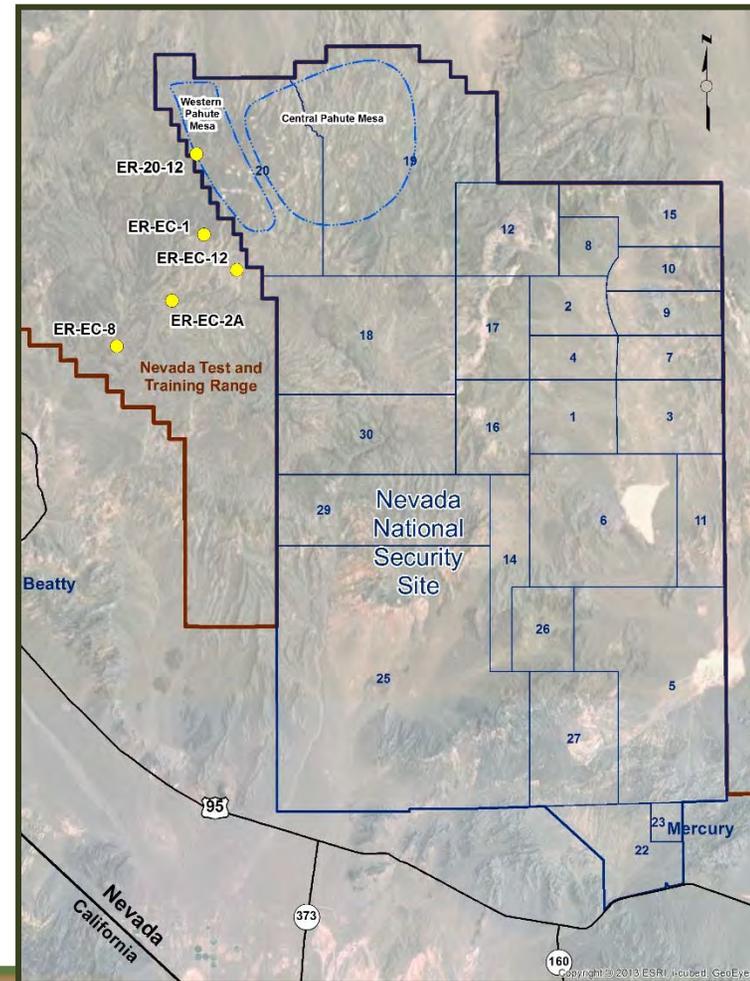


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FY 2016 Planned Activities

- Complete drilling of well ER-20-12 on Pahute Mesa by October 2015
- Begin well development and testing at Well ER-20-12
- Sample four wells throughout Pahute Mesa by August 2016



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FY 2016 Planned Activities (continued)



- Begin and complete drilling of three wells in Yucca Flat by summer 2016
- Begin well development and testing of three wells in Yucca Flat by summer 2016 and likely complete two before FY 2017



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FY 2016 Planned Activities (continued)

- Finalize Frenchman Flat Closure Report by October 2016
- Begin Rainier Mesa Supplemental Analysis of any additional modeling that may be required based on DOE, NDEP, and Preemptive Review Committee input by April 2016
- Complete sampling of four Rainier Mesa wells by September 2016



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Proposed FY 2016 NSSAB Work Plan Items

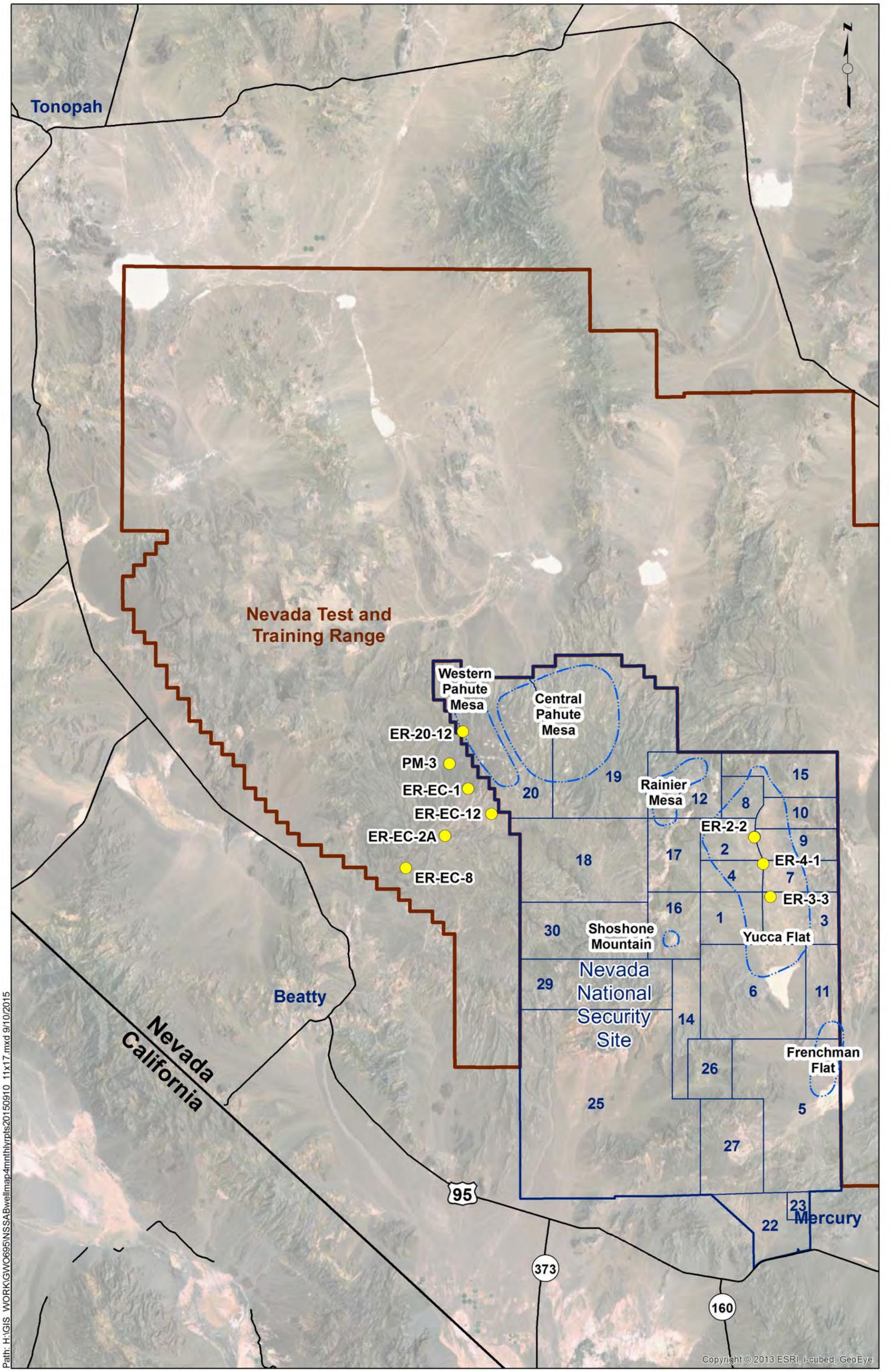


- Frenchman Flat Long-term Monitoring Plan (Closure Report)
- Path to Closure for Rainier Mesa/ Shoshone Mountain



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Waste Management Fiscal Year (FY) 2015 Wrap Up and FY 2016 Planned Activities



Jhon Carilli

Low-Level Waste Activity Lead
Nevada Site Specific Advisory Board
September 16, 2015



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Waste Management FY 2015 Wrap Up

- Planned: Safely dispose over 1.2 million cubic feet (ft³) of forecasted low-level waste (LLW) and mixed low-level waste (MLLW) at the Nevada National Security Site (NNSS)
 - Status: As of June 30, 2015, the NNSS safely disposed of over 930K ft³ of LLW/MLLW
 - FY 2015 total volume projections is on target



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Waste Management FY 2015 Wrap Up

(continued)

- Planned: Submit annual Performance Assessment Summary Report to the LLW Federal Review Group by April 2015
 - Status: Submitted in April 2015
 - Currently being evaluated by the LLW Federal Review Group
 - NNSC conclusions were the Performance Assessment/Composite Analyses assumptions are still valid



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Waste Management FY 2015 Wrap Up

(continued)

- Planned: Submit annual NNSS Groundwater Monitoring Program Area 5 Radioactive Waste Management Site Data Report to State of Nevada Division of Environmental Protection (NDEP) by March 2015
 - Status: Submitted in February 2015 and NDEP had no comments



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Waste Management FY 2015 Wrap Up Additional Activities

- Nevada Field Office initiated preliminary planning activities, including discussion with NDEP, and submittal of permit modification for construction of a new MLLW cell in FY 2017
 - At current MLLW disposal rates, MLLW Cell 18 will be at capacity in fourth quarter of FY 2017 or first quarter FY 2018



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FY 2015 NSSAB Work Plan Item

- *Review the current status and anticipated need for future mixed waste disposal capabilities and provide a recommendation on a path forward for mixed waste disposal at the NNSS*

Status

- NSSAB Recommendation January 2015
- Department of Energy Response July 2015
- In July 2015, NDEP published a public notice for a renewal of the MLLW permit with public comments due the end of August 2015; final decision to issue the Permit and to establish permit conditions will be made after all comments have been considered



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Waste Management FY 2016 Planned Activities



- Safely dispose approximately 1.5 million ft³ of forecasted LLW/ MLLW at the NNSS
- Submit annual Performance Assessment Summary Report to the LLW Federal Review Group by April 2016



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Waste Management FY 2016 Planned Activities

(continued)

- Submit annual NNSG Groundwater Monitoring Program Area 5 Radioactive Waste Management Site Data Report to NDEP by March 2016
- Complete planning activities for new MLLW Cell



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Proposed FY 2016 NSSAB Work Plan Item



- LLW Transportation



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Proposed FY 2016 NSSAB Work Plan Item (continued)

- Radioactive Waste Acceptance Program Assessment Improvement Opportunities



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Environmental Management (EM) Work Plan Status Fiscal Year (FY) 2015 Wrap Up and FY 2016 Planned Activities



Scott Wade

Assistant Manager for EM
Nevada Site Specific Advisory Board
September 16, 2015



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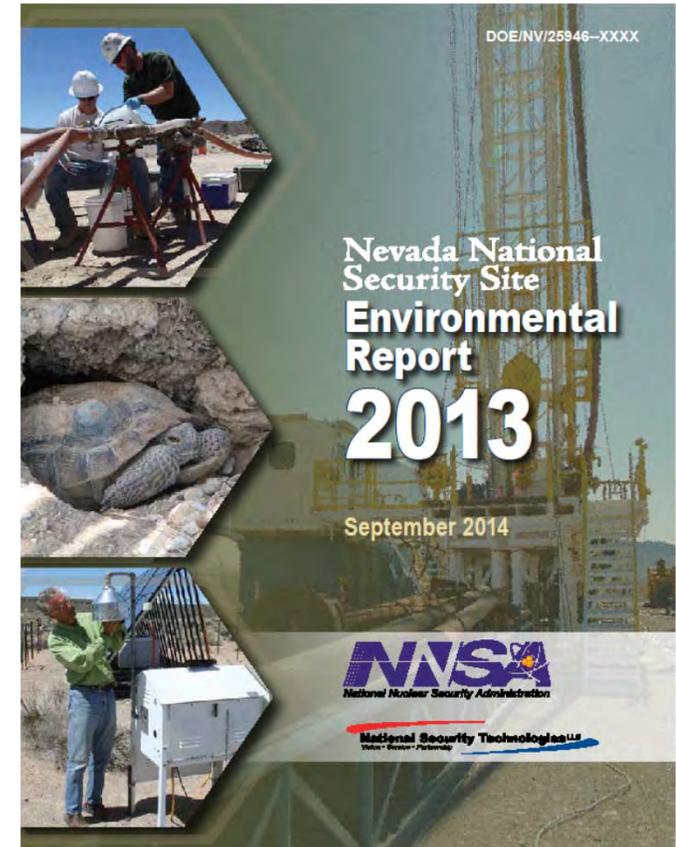
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FY 2015 NSSAB Work Plan Item

Provide a recommendation to the Department of Energy (DOE) on ways the annual Nevada National Security Site (NNSS) Environmental Report could be enhanced

Status

- NSSAB Recommendation January 2015
- DOE Response February 2015
- FY 2014 report will be published in October 2015 and incorporates NSSAB's comments



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FY 2015 NSSAB Work Plan Item

(continued)

Provide a recommendation to the DOE on ways the briefings given at the Waste Management Symposia in Phoenix, Arizona could be enhanced

Status

- NSSAB Recommendation January 2015
- DOE Response February 2015
- NSSAB comments considered and incorporated into NSSAB Chair's briefing, "*NSSAB-Communicating Progress to Stakeholders on Groundwater at the NNSS*"



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FY 2015 NSSAB Work Plan Item

(continued)

Provide a recommendation on ways the DOE can improve/enhance communication to the public

Status

- NSSAB Recommendation September 2015
- DOE Response Board action tonight



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FY 2015 NSSAB Work Plan Item

(continued)

Review FY 2017 baseline funding needs and provide a recommendation to the DOE prioritizing the work by activity

Status

- NSSAB Recommendation March 2015
- DOE Response to NSSAB April 2015
- Budget Guidance Issued by EM Headquarters (HQ) to Field Offices April 2015
- Nevada Field Office Presented Budget Briefing to EM HQ April 2015
- Integrated Priority List Submitted to EM HQ June 2015



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FY 2015 NSSAB Work Plan Item

(continued)

Review FY 2017 baseline funding needs and provide a recommendation to the DOE prioritizing the work by activity (continued from previous page)

Status

- Final DOE Budget to Office of Management and Budget (OMB) TBD~September 2015
- OMB Budget Decisions Issued TBD
- OMB Passback TBD~November/
December 2015
- President's Budget to Congress TBD~February 2016



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Proposed FY 2016 NSSAB Work Plan Item

- FY 2018 Baseline
Prioritization



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Proposed FY 2016 NSSAB Work Plan Item (continued)



- Communication Improvement Opportunities



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Nevada Site Specific Advisory Board
FY 2016 Work Plan
PROPOSAL

Item 1	Work Plan Item:	<i>Corrective Action Alternatives for Corrective Action Unit (CAU) 573, Alpha Contaminated Sites</i>
	Deadline:	November 2015
	Description:	<p>In November 2015, the Nevada Field Office will provide a briefing to the NSSAB that outlines the nature and extent of contamination, the potential risk to human health and the environment, and an overview of the Corrective Action Alternatives for CAU 573.</p> <p>From a community perspective, the NSSAB will provide a recommendation on which corrective action alternative (closure in place or clean closure) should be selected by the Nevada Field Office.</p>

Item 2	Work Plan Item:	<i>Proposed Changes to Long-Term Monitoring at Closed Sites</i>
	Deadline:	May 2016
	Description:	<p>In May 2016, the Nevada Field Office will provide a briefing to the NSSAB on proposed changes to some of the current long-term monitoring requirements for closed Corrective Action Sites on the Nevada National Security Site.</p> <p>From a community perspective, the NSSAB will provide a recommendation regarding the proposed changes to current long-term requirements.</p>

Item 3	Work Plan Item:	<i>Revegetation at CAU 111, Area 5 Closed Mixed Waste Cells</i>
	Deadline:	May 2016
	Description:	<p>In May 2016, the Nevada Field Office will provide a briefing to the NSSAB on the revegetation efforts on the cover at CAU 111, <i>Area 5 Closed Mixed Waste Cells</i> on the Nevada National Security Site.</p> <p>From a community perspective, the NSSAB will provide a recommendation suggesting a path forward regarding the cover at CAU 111.</p>

Nevada Site Specific Advisory Board
FY 2016 Work Plan
PROPOSAL

Item 4	Work Plan Item:	<i>Air Monitoring Stations at the Tonopah Test Range</i>
	Deadline:	July 2016
	Description:	<p>In July 2016, the Nevada Field Office will provide a briefing to the NSSAB on air monitoring stations collecting data at Soils sites on the Tonopah Test Range.</p> <p>From a community perspective, the NSSAB will provide a recommendation for whether air monitoring at these stations should be discontinued, the stations should be moved to different locations or continue at the current locations, or a combination.</p>

Item 5	Work Plan Item:	Frenchman Flat Long-term Monitoring Plan (Closure Report)
	Deadline:	November 2015 or January 2016
	Description:	<p>In November 2015, the Nevada Field Office will provide a briefing to the NSSAB explaining the draft Frenchman Flat long-term monitoring plan (Closure Report).</p> <p>From a community perspective, the NSSAB will provide a recommendation as to if the draft plan meets communities expectations and if there are any recommended changes.</p>

Item 6	Work Plan Item:	<i>Path to Closure for Rainier Mesa/Shoshone Mountain</i>
	Deadline:	January 2016
	Description:	<p>In January 2016, the Nevada Field Office will provide a briefing to the NSSAB describing the current status of <i>Rainier Mesa/Shoshone Mountain</i> groundwater. The briefing will include a planned path forward to closure for this Corrective Action Unit.</p> <p>From a community perspective, the NSSAB will provide recommendations on if the Board supports the plan and how it could be enhanced.</p>

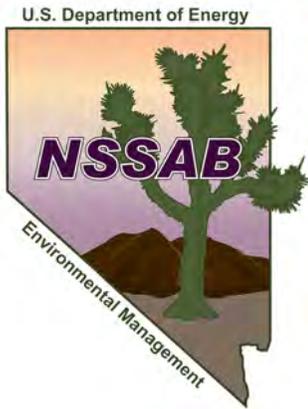
**Nevada Site Specific Advisory Board
FY 2016 Work Plan
PROPOSAL**

Item 7	Work Plan Item:	<i>Radioactive Waste Acceptance Program (RWAP) Assessment Improvement Opportunities</i>
	Deadline:	May 2016
	Description:	<p>In March 2016, the Nevada Field Office will provide a briefing to the NSSAB on the RWAP assessment process. Up to two members will be able to observe a generator surveillance (March 22-23, 2016) at the Nevada National Security Site.</p> <p>The NSSAB members who participation in the observation will present their observations to the Full Board. From a community perspective, the NSSAB will provide a recommendation for ways to improve the RWAP assessment process.</p>

Item 8	Work Plan Item:	<i>FY 2018 Baseline Prioritization</i>
	Deadline:	March 2016
	Description:	<p>In March 2016, the Nevada Field Office will provide briefings on planned FY 2018 baseline activities.</p> <p>From a community perspective, the NSSAB will provide a recommendation ranking the activities.</p>

Item 9	Work Plan Item:	<i>Low-Level Waste Transportation</i>
	Deadline:	September 2016
	Description:	<p>Transportation related briefings will be provided throughout the year during educational sessions and Full Board meetings.</p> <p>From a community perspective, the NSSAB will provide recommendations on how waste transportation could be improved by the Department of Energy.</p>

Item 10	Work Plan Item:	<i>Communication Improvement Opportunities</i>
	Deadline:	September 2016
	Description:	<p>From a community perspective, the NSSAB will provide recommendation(s) at each Full Board meeting on ways that the Department of Energy (DOE) can improve/enhance communication to the public (i.e. presentations, open houses, documents, fact sheets). These interim recommendations would be documented in the official minutes of each Full Board meeting with a final recommendation letter submitted to DOE at the end of the fiscal year.</p>



Nevada Site Specific Advisory Board

September 16, 2015

Ms. Kelly Snyder, DDFO
U.S. Department of Energy, Nevada Field Office
P.O. Box 98518
Las Vegas, NV 89193-8518

SUBJECT: Proposed Fiscal Year (FY) 2016 Nevada Site Specific Advisory Board (NSSAB) Work Plan

Dear Ms. Snyder,

At our September 16, 2015, Full Board meeting, the NSSAB had the opportunity to review the list of activities the Department of Energy (DOE) proposed the NSSAB incorporate into its FY 2016 work plan. In addition, the NSSAB also discussed potential tasks. After Full Board discussion, the NSSAB would like DOE's approval for the attached work plan.

We appreciate the opportunity to review and comment on Environmental Management activities at the Nevada National Security Site and look forward to a productive year.

Sincerely,

Donna L. Hruska, Chair

Attachment

cc: D. A. Borak, DOE/HQ (EM-3.2)
M. R. Hudson, DOE/HQ (EM-3.2)
E. B. Schmitt, DOE/HQ (EM-3.2)
R. F. Boehlecke, NFO
C. G. Lockwood, NFO
S. A. Wade, NFO
B. K. Ulmer, Navarro
NSSAB Members and Liaisons
NNSA/NFO Read File

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Amina Anderson
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Clark County
Consolidated Group of Tribes
and Organizations
Esmeralda County Commission
Nye County Commission
Nye County Nuclear Waste
Repository Project Office
State of Nevada Division of
Environmental Protection
U.S. National Park Service

Administration

Barbara Ulmer, Administrator
Navarro
Kelly Snyder, DDFO
U.S. Department of Energy,
Nevada Field Office