



Nevada Site Specific Advisory Board Table of Contents

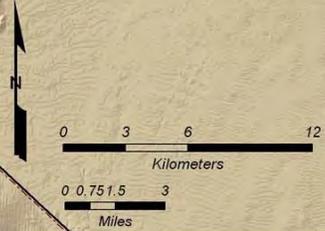
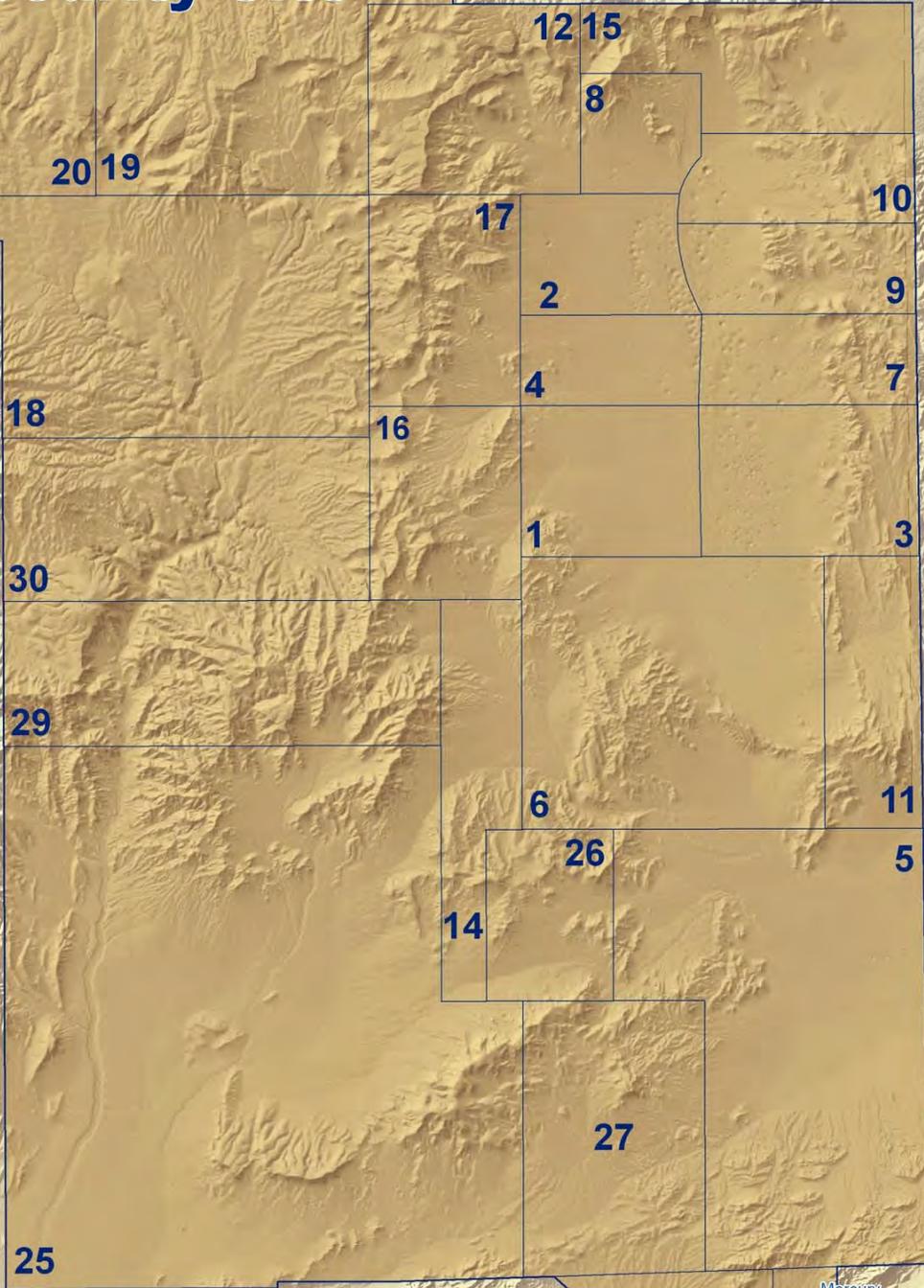
**Full Board Meeting Handouts for
Wednesday, March 19, 2014**

**Please note: For your convenience, this Table of Contents
has a link to the first page of each handout.**

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Nevada National Security Site



U.S. DEPARTMENT OF ENERGY ENVIRONMENTAL MANAGEMENT SITE-SPECIFIC ADVISORY BOARDS





AGENDA NSSAB FULL BOARD MEETING

National Atomic Testing Museum
755 East Flamingo, Las Vegas, NV 89119

March 19, 2014 at 5 p.m.

Open Meeting / Announcements

Barb Ulmer, Facilitator

Chair's Opening Remarks

Kathleen Bienenstein, Chair

- Agenda approval

Public Comment

Barb Ulmer, Facilitator

U.S. Department of Energy Update

Scott Wade, DOE

FY 2016 Baseline Prioritization (Work Plan Item #6)

- Baseline Overview and Explanation of Ranking Process
- Soils
- Groundwater Characterization
- Low-Level Waste
- Group Discussion
- Individuals Rank Tasks (tallied during break)

Barb Ulmer, Facilitator
Robert Boehlecke, DOE
Robert Boehlecke, DOE
Bill Wilborn, DOE
Robert Boehlecke, DOE
Kathleen Bienenstein, Chair

Break

Barb Ulmer, Facilitator

FY 2016 Baseline Prioritization (Work Plan Item #6) - Continued

- Vote on Final Recommendation

Kathleen Bienenstein, Chair

NNSS Communication Plan for Groundwater Sampling Results (Work Plan Item #5)

Bill Wilborn, DOE

Other NSSAB Business:

- EM SSAB National Chairs' Meeting in Hanford, WA
 - ◆ Develop Round Robin topics
 - ◆ Discuss Draft Recommendation
- EM SSAB Chairs' Conference Call (March 19, 2014)
- NSSAB Recommendation and DOE Response for Work Plan #3
- Devil's Hole Workshop, April 30 - May 2, 2014
- Membership Committee Update
- Future Educational Topics

Kathleen Bienenstein, Chair

Donna Hruska, Membership Chair
Kelly Snyder, DOE

Liaison Updates

- Clark County
- Consolidated Group of Tribes and Organizations
- Elko County Commission
- Esmeralda County Commission
- Lincoln County Commission
- Meadows School Student Liaison
- Nye County Commission

Phil Klevorick
Richard Arnold
Charlie Myers
Ralph Keyes
Kevin Phillips
Matt Hodapp
Dan Schinhofen

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

John Klenke
Tim Murphy
Genne Nelson
Mike Lemich

Liaison Discussion Wrapup

Scott Wade, DOE

Meeting Wrap-up/Exercise/Assessment/Adjournment

Barb Ulmer, Facilitator

- Next Full Board Meeting-Wednesday, May 21, 2014
 - ◆ 4 p.m. Educational Session: Federal Facility Agreement and Consent Order Overview
 - ◆ 5 p.m. Full Board Meeting
Bob Ruud Community Center, Pahrump, NV

NSSAB MEETING ATTENDANCE

Full Board Meetings

October 2013 through September 2014 (FY 2014)

Name	11/20/13	2/19/14	3/19/14	5/21/14	7/16/14	9/17/14	Max Terms Limit
MEMBERS							
Kathleen Bienenstein	√	√	√				2014
Thomas Fisher	E	√	√				2017
Arthur Goldsmith	√	E	√				2017
Donna Hruska	√	√	√				2016
Cheryl Kastelic	U						2018
Janice Keiserman	√	√	√				2018
Michael Moore	√	√	√				2016
Edward Rosemark	√	√	√				2018
William Sears	√	√	E				2018
Jack Sypolt	√	√	√				2017
LIAISONS							
Clark County	√	E	√		E		
Consolidated Group of Tribes and Organizations	√	E	E				
Elko County Commission	U	U	U				
Esmeralda County Commission	√	√	E				
Lincoln County Commission	E	U	U				
The Meadows School	√	E	√				
Nye County Commission	√	√	E				
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	E	E	√				
KEY: √ = Present	Term Limit	E = Excused U = Unexcused		RM = Remove RS = Resign			

Work Plan Item #6 FY 2016 Baseline Prioritization



Robert Boehlecke

Environmental Management Operations Manager
Briefing to Nevada Site Specific Advisory Board
March 19, 2014



EM *Environmental Management*

safety ❖ performance ❖ cleanup ❖ closure

www.em.doe.gov

Tonight's Path Forward

- Baseline briefing
- The Ranking Process
- Description of each task
- Group discussion
- Individuals rank tasks
- Tallying of prioritizations
- Vote on final recommendation



EM Environmental Management

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Environmental Management (EM) Baseline Defined

- Tool that provides for life-cycle planning and execution of a mission
 - Includes scope of work, budget, and schedule
 - Elements are fully integrated



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EM Baseline Components

- Scope of Work – the description of all work elements that need to be accomplished
- Budget – the estimated cost, number of hours, and type of labor resources, material, equipment, etc.
- Schedule – timeline and prioritization of work to be completed that identifies predecessor/successor tasks



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EM Baseline Planning Considerations

- Annual Funding
 - Approved fiscal year budgets versus continuing resolution
 - Scope prioritized to maximize the amount of work that can be accomplished
- Resource Availability
- Weather Conditions
- Risk Analysis
 - Uncertainties built into baseline



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EM Baseline Status and Changes

- EM Contractors report monthly performance status to Nevada Field Office (NFO)
- Baseline changes are made when scope is added, deleted, or modified
 - Requires NFO approval



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EM Baseline Project Baseline Summaries

- EM Baseline separated into three Project Baseline Summaries (PBS) as follows (not in priority order):
 - Soil and Water Remediation (PBS VL-NV-0030)
 - Soils
 - Underground Test Area
 - Industrial Sites
 - EM Program Management (includes NSSAB support)
 - Operate Waste Disposal Facility (PBS VL-NV-0080)
 - Low-Level Waste
 - Nevada Community and Regulatory Support (PBS VL-NV-0100)
 - Agreements in Principle and Grants



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EM Life-Cycle Baseline for Fiscal Year (FY) 2014 - 2030

Scope	Budget (\$K)	Schedule Completion
Soils	\$125,887	FY 2030
Underground Test Area	\$409,336	FY 2030
Industrial Sites	\$79,235	FY 2030
Program Management	\$130,298	FY 2030
Low-Level Waste	\$493,168	FY 2030
Agreements in Principle and Grants	\$73,444	FY 2030
EM NFO Grand Total	\$1,311,368	FY 2030



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Log No. 2014-030

Tonight's Path Forward

- Baseline briefing
- [The Ranking Process](#)
- Description of each task (10 tasks total)
- Group discussion
- Individuals rank tasks
- Tallying of prioritizations
- Vote on final recommendation



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The Ranking Process

- Presentation of each of the 10 tasks
 - Each task has been assigned a letter
 - Tasks are either individual items or groupings of items
- Group discussion with members and liaisons
- Each member will rank the tasks with 1-10 points using their worksheet
 - 10 points being highest priority and 1 point being lowest priority

ENVIRONMENTAL MANAGEMENT PROGRAM

Task – A

Off-Site Soils - Two Corrective Action Units (CAUs)
FY 2016 Baseline - \$263K

- CAU 413, Clean Slate II Plutonium Dispersion (located on the Nevada Test and Training Range [NTTR])
 - Initiate Corrective Action Investigation Plan Revision 1



CAU 413 Surveying 55 Gallon Drum

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NSSAB Baseline Prioritization Worksheet

Name _____

Task	Title	Baseline	Notes	Baseline Ranking (1-10 points)*
A	Off-Site Soils - Two Corrective Action Units (CAUs)	\$263K		
B	NNSS Soils - Three CAUs	\$1,194K		
C	Soils Studies	\$1,111K		
D	Frenchman Flat Groundwater Characterization Closure Activities	\$1,703K		
E	Pahute Mesa Geologic, Hydrologic, and Flow & Transport Analysis and Evaluation	\$2,550K		
F	Pahute Mesa Aquifer Tests	\$4,566K		
G	Yucca Flat	\$3,321K		
H	Rainier Mesa/Shoshone Mountain (CAU 99) Closure Report	\$879K		
I	UGTA Annual Sampling Activities	\$2,419K		
J	Area 5 Radioactive Waste Management Disposal Operations	\$17,693K		

*10 points being highest priority and 1 point being lowest priority



The Ranking Process

(continued)

- NSSAB Office will tally the rankings and present the results to the Full Board tonight
- Further discussion, if necessary
- NSSAB will vote on final ranking recommendation



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- Baseline briefing
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- Description of each task
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FY 2016 Soils Tasks



Tiffany Lantow
Soils Activity Lead



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Task – A

Off-Site Soils - Two Corrective Action Units (CAUs) *FY 2016 Baseline - \$263K*

- CAU 413, Clean Slate II Plutonium Dispersion (located on the Nevada Test and Training Range [NTTR])
 - Initiate Corrective Action Investigation Plan



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Task – A

(continued)

Off-Site Soils - Two Corrective Action Units (CAUs) *FY 2016 Baseline - \$263K*

- CAU 541, Small Boy (located on both the Nevada National Security Site [NNSS] and NTTR)
 - Complete Corrective Action Decision Document (CADD) and submit to the State of Nevada Division of Environmental Protection (NDEP)
 - Initiate Corrective Action Plan (CAP)



CAU 541 Berm beside a Bunker



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Task – B

NNSS Soils – Three CAUs Baseline - \$1,194K

CAU 571 Asphalt Pile



- CAU 571, Area 9 Yucca Flat Plutonium Dispersion Sites
 - Continue closure activities
- CAU 568, Area 3 Yucca Flat Plutonium Dispersion Sites
 - Complete CAP activities and submit CAP to NDEP
 - Start closure activities

CAU 568
Boomer
U3aa Crater

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Task – B

(continued)

NNSS Soils - Three CAUs
Baseline - \$1,194K

- CAU 573, Alpha Contaminated Sites
 - Complete CADD activities and submit CADD to NDEP
 - Start closure activities



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Task – C

Soils Studies *Baseline - \$1,111K*

- Conducted by Desert Research Institute in support of the Soils Activity
- Includes:
 - Air monitoring on NNSS and NTTR
 - Fire studies
 - Contaminant transport studies
- Research can affect closure decisions for CAUs in similar environments or with similar features to those studied



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FY 2016 Groundwater Characterization Tasks



Bill Wilborn
Underground Test Area (UGTA) Activity Lead



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Task – D

Frenchman Flat Groundwater Characterization Closure Activities *Baseline – \$1,703K*

- Complete drilling of one post-closure monitoring well
- Complete Well Development and Testing of one post-closure monitoring well
- Initiate long-term monitoring and sampling



Frenchman Dry Lake



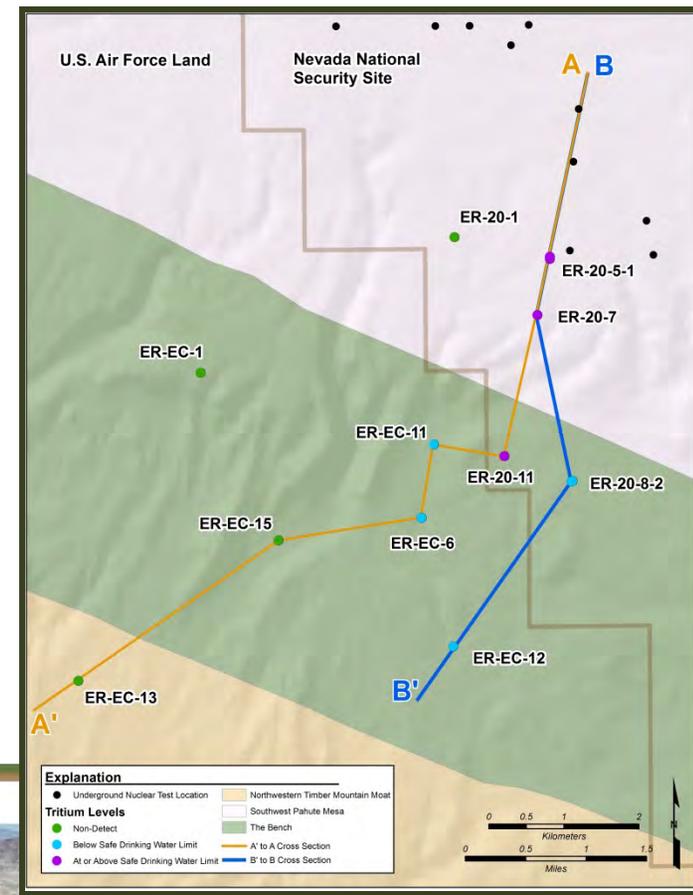
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Task – E

Pahute Mesa Geologic, Hydrologic, and Flow & Transport Analysis and Evaluation Baseline - \$2,550K

- Complete Hydrologic Analysis and Evaluation (A & E)
- Complete Contaminant Transport Parameters A & E
- Complete Source Term A & E
- Adjust Geologic Model, as needed



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Task – F

Pahute Mesa Aquifer Tests *Baseline - \$4,566K*

- Continue data collection activities during two multiple well aquifer tests



Well Pahute Mesa #3 (PM-3)



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Task – G

Yucca Flat
Baseline - \$3,321K

- Complete Yucca Flat CADD/CAP
 - Documents the results of the characterization, the recommended corrective action, and the plan for implementing the corrective action
- Begin model evaluation drilling operations
 - Drilling campaign projected from FY 2016-2018



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Task – H

Rainier Mesa/Shoshone Mountain (CAU 99) Closure Report *Baseline - \$879K*

- Complete negotiations with NDEP regarding regulatory boundaries
- Establish long-term monitoring requirements
- Prepare closure document



NSSAB Tour of
Rainier Mesa
1-22-14



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Task – I

UGTA Annual Sampling Activities *Baseline - \$2,419K*

- Continue ongoing sampling activities for each CAU as prescribed by the UGTA Sampling Plan



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FY 2016 Low-Level Waste Tasks



Robert Boehlecke
Environmental Management
Operations Manager



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Task – J

Area 5 Radioactive Waste Management Disposal Operations *Baseline - \$17,693K*

- Maintain capability to safely dispose up to 1.2 million cubic feet (ft³) of U.S. Department of Energy Low-Level Waste (LLW)/ Mixed LLW
- Continue environmental monitoring activities at the Area 5 Radioactive Waste Management Complex



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Log No. 2014-030

Task – J

(continued)

Area 5 Radioactive Waste Management Disposal Operations *Baseline - \$17,693K*

- Maintain Performance Assessment, Composite Analysis, and Documented Safety Analysis to dispose waste
- Continue facility evaluations of generators per the Nevada National Security Site Waste Acceptance Criteria



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Tonight's Path Forward

- Baseline briefing
- The Ranking Process
- Description of each task
- **Group discussion**
- Individuals rank tasks
- Tallying of prioritizations
- Vote on final recommendation



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Tonight's Path Forward

- Baseline briefing
- The Ranking Process
- Description of each task
- Group discussion
- Individuals rank tasks
- Tallying of prioritizations
- Vote on final recommendation

Name _____

Task	Title	Baseline	Notes	Baseline Ranking (1-10 points)*
A	Off-Site Soils - Two Corrective Action Units (CAUs)	\$263K		
B	NNSS Soils - Three CAUs	\$1,194K		
C	Soils Studies	\$1,111K		
D	Frenchman Flat Groundwater Characterization Closure Activities	\$1,703K		
E	Pahute Mesa Geologic, Hydrologic, and Flow & Transport Analysis and Evaluation	\$2,550K		
F	Pahute Mesa Aquifer Tests	\$4,566K		
G	Yucca Flat	\$3,321K		
H	Rainier Mesa/Shoshone Mountain (CAU 99) Closure Report	\$879K		
I	UGTA Annual Sampling Activities	\$2,419K		
J	Area 5 Radioactive Waste Management Disposal Operations	\$17,693K		

*10 points being highest priority and 1 point being lowest priority



EM Environmental Management

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Final Tallied Rankings

Final Ranking	Task	Title	Bienenstein	Fisher	Goldsmith	Hruska	Keiserman	Moore	Rosemark	Sears	Sypolt	Total Points
	A	Off-Site Soils - Two Corrective Action Units (CAUs)										0
	B	NNSS Soils - Three CAUs										0
	C	Soils Studies										0
	D	Frenchman Flat Groundwater Characterization Closure Activities										0
	E	Pahute Mesa Geologic, Hydrologic, and Flow & Transport Analysis and Evaluation										0
	F	Pahute Mesa Aquifer Tests										0
	G	Yucca Flat										0
	H	Rainier Mesa/Shoshone Mountain (CAU 99) Closure Report										0
	I	UGTA Annual Sampling Activities										0
	J	Area 5 Radioactive Waste Management Disposal Operations										0



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Tonight's Path Forward

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- Vote on final recommendation



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Nevada Site Specific Advisory Board

January 16, 2013

Members

Jason Abel
Kathleen Bienenstein, Chair
Edward Brown
Matthew Clapp
Thomas Fisher, PhD
Arthur Goldsmith
Donna Hruska, Vice Chair
Cheryl Kastelic
Janice Keiserman
Barry LiMarzi
Michael Moore
Edward Rosemark
Williams Sears
Jack Sypolt
James Weeks

Liaisons

Clark County
Elko County Commission
Esmeralda County Commission
Lincoln County Commission
Nye County Commission
Nye County Nuclear Waste
Repository Project Office
State of Nevada Division of
Environmental Protection
U.S. Department of Energy,
Nevada Site Office
U.S. National Park Service
West Career and
Technical Academy
(Clark County School District)
White Pine County Commission

Administration

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

Mr. Scott Wade
Assistant Manager for Environmental Management
U.S. Department of Energy, Nevada Site Office
P. O. Box 98518
Las Vegas, NV 89193-8518

SUBJECT: Nevada Site Specific Advisory Board (NSSAB)
Recommendation for Fiscal Year (FY) 2015 Baseline
Prioritization—Work Plan Item #5

Dear Mr. Wade:

The NSSAB has completed its annual review and prioritization of the U.S. Department of Energy (DOE) Nevada Site Office Environmental Management (EM) activities for the FY 2015 budget submittal.

At the January 16 Full Board meeting, the NSSAB was provided a list of EM activities and was asked by DOE to prioritize them by related groupings. The items listed below were ranked by the Board from the highest to the lowest priority, as follows:

1. Area 5 Radioactive Waste Management Disposal Operations
2. Pahute Mesa Well Development, Testing, and Sampling
3. Pahute Mesa Modeling Analysis and Evaluation
4. Pahute Mesa Aquifer Tests
5. Off-Site Soils—Three Corrective Action Units (CAUs)
6. NNSS Soils—Four CAUs
7. Soils Studies
8. Yucca Flat (tie)
8. Rainier Mesa/Shoshone Mountain (CAU 99) Closure Report (tie)
9. Frenchman Flat Post Closure Drilling
10. Frenchman Flat Groundwater Characterization Closure Activities

Thank you for the opportunity to participate in the annual budget prioritization and for the assistance provided by the EM staff. The federal staff took the

time to meet with the NSSAB and provided detailed information. We sincerely appreciate this support and look forward to your response regarding this year's budget submittal.

Sincerely,

Handwritten signature of Kathleen L. Bienenstein in black ink.

Kathleen L. Bienenstein, Chair

cc: M. A. Nielson, DOE/HQ (EM-3.2) FORS
C. B. Alexander, DOE/HQ (EM-3.2) FORS
M. R. Hudson, DOE/HQ (EM-3.2) FORS
R. F. Boehlecke, EMO, NNSA/NSO, Las Vegas, NV
J. T. Carilli, EMO, NNSA/NSO, Las Vegas, NV
C. G. Lockwood, EMOS, NNSA/NSO, Las Vegas, NV
T. A. Lantow, EMO, NNSA/NSO, Las Vegas, NV
K. K. Snyder, EMOS, NNSA/NSO, Las Vegas, NV
W. R. Wilborn, EMO, NNSA/NSO, Las Vegas, NV
B. K. Ulmer, N-I, Las Vegas, NV
NSSAB Members and Liaisons
NNSA/NSO Read File

NSSAB Baseline Prioritization Worksheet

Name _____

Task	Title	Baseline	Notes	Baseline Ranking (1-10 points)*
A	Off-Site Soils - Two Corrective Action Units (CAUs)	\$263K		
B	NNSS Soils - Three CAUs	\$1,194K		
C	Soils Studies	\$1,111K		
D	Frenchman Flat Groundwater Characterization Closure Activities	\$1,703K		
E	Pahute Mesa Geologic, Hydrologic, and Flow & Transport Analysis and Evaluation	\$2,550K		
F	Pahute Mesa Aquifer Tests	\$4,566K		
G	Yucca Flat	\$3,321K		
H	Rainier Mesa/Shoshone Mountain (CAU 99) Closure Report	\$879K		
I	UGTA Annual Sampling Activities	\$2,419K		
J	Area 5 Radioactive Waste Management Disposal Operations	\$17,693K		

*10 points being highest priority and 1 point being lowest priority



Nevada Site Specific Advisory Board

March 19, 2014

Members

Kathleen Bienenstein, Chair

Thomas Fisher, PhD

Arthur Goldsmith

Donna Hruska, Vice Chair

Janice Keiserman

Michael Moore

Edward Rosemark

Williams Sears

Jack Sypolt

Liaisons

Clark County

Consolidated Group of Tribes
and Organizations

Elko County Commission

Esmeralda County Commission

Lincoln County Commission

Nye County Commission

Nye County Nuclear Waste
Repository Project Office

State of Nevada Division of
Environmental Protection

The Meadows School

U.S. National Park Service

White Pine County Commission

Administration

Barbara Ulmer, Administrator

Navarro-Intera

Kelly Snyder, DDFO

*U.S. Department of Energy,
Nevada Field Office*

Mr. Scott Wade
Assistant Manager for Environmental Management
U.S. Department of Energy, Nevada Field Office
P. O. Box 98518
Las Vegas, NV 89193-8518

SUBJECT: Nevada Site Specific Advisory Board (NSSAB)
Recommendation for Fiscal Year (FY) 2016 Baseline
Prioritization—Work Plan Item #6

Dear Mr. Wade:

The NSSAB has completed its annual review and prioritization of the U.S. Department of Energy (DOE) Nevada Field Office Environmental Management (EM) activities for the FY 2016 budget submittal.

At the March 19 Full Board meeting, the NSSAB was provided a list of EM activities and was asked by DOE to prioritize them by related groupings. The items listed below were ranked by the Board from the highest to the lowest priority, as follows:

- Off-Site Soils—Two Corrective Action Units (CAUs)
- NNSS Soils—Three CAUs
- Soils Studies
- Frenchman Flat Groundwater Characterization Closure Activities
- Pahute Mesa Geologic, Hydrologic, and Flow & Transport Analysis and Evaluation
- Pahute Mesa Aquifer Tests
- Yucca Flat
- Rainier Mesa/Shoshone Mountain (CAU 99) Closure Report
- UGTA Annual Sampling Activities
- Area 5 Radioactive Waste Management Disposal Operations

Supporting information, as needed:

Thank you for the opportunity to participate in the annual budget prioritization and for the assistance provided by the EM staff. The federal staff took the

time to meet with the NSSAB and provided detailed information. We sincerely appreciate this support and look forward to your response regarding this year's budget submittal.

Sincerely,

Kathleen L. Bienenstein, Chair

cc: D. A. Borak, DOE/HQ (EM-3.2) FORS
M. R. Hudson, DOE/HQ (EM-3.2) FORS
R. F. Boehlecke, EMO, NNSA/NSO, Las Vegas, NV
J. T. Carilli, EMO, NNSA/NSO, Las Vegas, NV
C. G. Lockwood, EMOS, NNSA/NSO, Las Vegas, NV
T. A. Lantow, EMO, NNSA/NSO, Las Vegas, NV
K. K. Snyder, EMOS, NNSA/NSO, Las Vegas, NV
W. R. Wilborn, EMO, NNSA/NSO, Las Vegas, NV
B. K. Ulmer, N-I, Las Vegas, NV
NSSAB Members and Liaisons

DRAFT

EM SSAB Chairs' Recommendation on Capitalizing on EM Successes

Background and Discussion

The Environmental Management Site Specific Advisory Board (EM SSAB) Chairs note the success of several EM remediation efforts, such as those at

- Fernald, OH, where an operational uranium enrichment plant has been deconstructed and the area reconstituted as parkland,
- Oak Ridge, TN, where the East Tennessee Technology Park now occupies the area previously dominated by the K-25 Gaseous Diffusion Plant,
- Rocky Flats, CO, where a plutonium refinement plant has been replaced by flourishing rangeland and now serves as a wildlife refuge, and
- Hanford, WA, where the B Reactor Preservation Project has reached maturity.

In every case of EM site remediation, the environmental recovery constitutes a powerful example of how the joint efforts of DOE and community leaders have resulted in a return to the local community and to society of areas or facilities previously exposed to and/or contaminated by nuclear activities. The claim by activists that such work necessarily results in a perpetual loss of valuable environmental resources is wrong, and due to the EM program the error is now well demonstrated.

Recommendation

With full recognition of the presence of formal public relations and outreach programs within each DOE facility, and building upon these capabilities, the EM SSAB Chairs recommend that DOE:

1. **capitalize on this emerging story**, to the maximum extent possible, through education and outreach programs addressing the use of nuclear energy in all facets of society and designed to help alleviate unwarranted public fears of nuclear activities.
2. **sponsor an independent examination of the remediation efforts of DOE EM**, with the intent of producing unbiased documentaries suitable for public viewing and for academic/scholastic purposes.
3. **engage the various SSABs in developing and producing such documentaries**, so that local resources (e.g. local television organizations and academic science programs) are used to frame individual presentations in the light of local issues and specific concerns.



Nevada Site Specific Advisory Board

February 19, 2014

Ms. Tiffany Lantow, Soils Activity Lead
Environmental Management Operations
U.S. Department of Energy, Nevada Field Office
P.O. Box 98518
Las Vegas, NV 89193-8518

SUBJECT: Recommendation Regarding Radionuclide Decay at Use-Restricted Soil Sites (Work Plan Item #3)

Dear Ms. Lantow:

The Nevada Site Specific Advisory Board (NSSAB) was asked to provide recommendations, from a community perspective, to the U.S. Department of Energy (DOE) in regard to Radionuclide Decay at Use-Restricted Soil Sites (Work Plan Item #3) that answer the following questions: are there any improvements or enhancements to be made to the report entitled, "*Estimated Time When Dose at Selected NNSS Soils Sites Falls Below 25 mRem/year*"? What should DOE's actions be when the radionuclides in the use-restricted areas have decayed? What should DOE consider when removing use restrictions?

After receiving a briefing, review of the report and further deliberation, the NSSAB recommends that the following improvements and enhancements are included in the report:

- A definition of terms
- An inventory of radiological materials at each Corrective Action Unit
- An explanation of 25 versus 300 mRem/yr
- An explanation of Occasional Use versus Industrial Use
- Suggested reader of the report
- If land use changes, then reevaluate
- Assumptions

At this time, the NSSAB does not have additional recommendations for what DOE's actions should be when radionuclides in the use-restricted areas have decayed or what DOE should consider when removing use restrictions. The Board wishes to thank Environmental Management for the opportunity to provide meaningful input to DOE in regard to this Work Plan item.

Sincerely,

Kathleen L. Bienenstein, Chair

Members

Kathleen Bienenstein, Chair

Thomas Fisher, PhD

Arthur Goldsmith

Donna Hruska, Vice Chair

Janice Keiserman

Michael Moore

Edward Rosemark

Williams Sears

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Clark County

Consolidated Group of Tribes
and Organizations

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Esmeralda County Commission

Lincoln County Commission

Nye County Commission

Nye County Nuclear Waste
Repository Project Office

State of Nevada Division of
Environmental Protection

The Meadows School

U.S. National Park Service

White Pine County Commission

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Barbara Ulmer, Administrator

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U.S. Department of Energy,

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MAR 17 2014

Kathleen Bienenstein, Chair
Nevada Site Specific Advisory Board
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North Las Vegas, NV 89030

**RESPONSE TO NEVADA SITE SPECIFIC ADVISORY BOARD (NSSAB)
RECOMMENDATION REGARDING RADIONUCLIDE DECAY AT USE-RESTRICTED
SOIL SITES (WORK PLAN ITEM #3)**

I would like to thank the NSSAB for taking the time to provide recommendations regarding the report "*Estimated Time When Dose at Selected NNSS Soils Sites Falls Below 25 mRem/year.*" The NSSAB evaluated the report with the following questions in mind: are there any improvements or enhancements to be made to the report? What should DOE's actions be when the radionuclides in the use-restricted areas have decayed? What should DOE consider when removing use restrictions?

The Board recommended the following improvements and enhancements be included in the report:

- A definition of terms
- An inventory of radiological materials at each Corrective Action Unit
- An explanation of 25 versus 300 mRem/yr
- An explanation of Occasional Use versus Industrial Use
- Suggested reader of the report
- If land use changes, then reevaluate
- Assumptions

The Nevada Field Office Environmental Management Operations Activity will include the recommended improvements in the report. 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:10435.TL

cc via e-mail:

D. A. Borak, DOE/HQ (EM-3.2)

B. K. Ulmer, N-I

NSSAB Members and Liaisons

R. F. Boehlecke, NFO

K. K. Snyder, NFO

NNSA/NFO Read File