



Nevada Site Specific Advisory Board *Table of Contents*

**Full Board Meeting Handouts for
Wednesday, March 16, 2016**

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NSSAB MEETING ATTENDANCE

Full Board Meetings

October 2015 through September 2016 (FY 2016)

	11/10/15	1/20/16	3/16/16	5/18/16	7/20/16	9/21/16	Max Terms
Name							
MEMBERS							
Michael Anderson	√	√	E				2020
Amina Anderson	√	√	√				2020
Michael D'Alessio	√	√	√				2020
Pennie Edmond	√	√	√				2020
Donna Hruska	√	√	√				2016
Janice Keiserman	√	√	√				2018
Michael Moore	√	E	√				2016
Donald Neill	√	E	√				2020
Edward Rosemark	√	√	√				2018
Steve Rosenbaum	√	√	√				2020
William Sears	√	√	√				2018
Thomas Seley	√	√	√				2020
Cecilia Flores Snyder	√	√	√				2020
Jack Sypolt	√	E	√				2017
Francisca Vega	√	E	√				2020
LIAISONS							
Clark County	√	√	√				
Consolidated Group of Tribes and Organizations	√	E	√				
Esmeralda County Commission	√	√	U				
Nye County Commission	E	U	U				
Nye Co. Nuclear Waste Repository Project Office	√	√	√				
State of NV Division of Env Protection	√	√	√				
U.S. Natl Park Service	E	√	E				
KEY: √ = Present E - Excused V=Vacant U = Unexcused RM = Remove RS = Resign							

Fiscal Year 2018 Baseline Prioritization Work Plan Item #8



Robert Boehlecke

Environmental Management Operations Manager
U.S. Department of Energy (DOE)
Nevada Site Specific Advisory Board (NSSAB)
March 16, 2016



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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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Environmental Management (EM) Baseline Definition

- Tool that provides for life-cycle planning and execution of a mission
 - Includes scope of work, cost estimates, 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
- Cost Estimates – 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
 - 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
 - NFO Change Control Board meets monthly to discuss and approve/disapprove all proposed changes



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EM Project Baseline Summaries

- NFO EM program separated into three Project Baseline Summaries (PBSs) as follows:
 - Soil and Water Remediation (PBS VL-NV-0030)
 - Soils, Underground Test Area, Industrial Sites, and Program Management (includes NSSAB support)
 - Operate Waste Disposal Facility (PBS VL-NV-0080)
 - Low-Level Waste (LLW) and Mixed LLW (MLLW)
 - Nevada Community and Regulatory Support (PBS VL-NV-0100)
 - Agreements in Principle and Grants
- PBS designations are consistent across the DOE EM complex



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EM Life-Cycle Baseline for Fiscal Year (FY) 2016 - 2030

Scope	Planning Estimates (\$K)	Schedule Completion
Soils	\$55,979	FY 2021
Underground Test Area	\$344,297	FY 2030
Industrial Sites	\$76,286	FY 2030
Program Management	\$108,737	FY 2030
Low-Level Waste	\$418,175	FY 2030
Agreements in Principle and Grants	\$74,536	FY 2030
EM NFO Grand Total	\$1,078,010	FY 2030



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Federal Budget Process



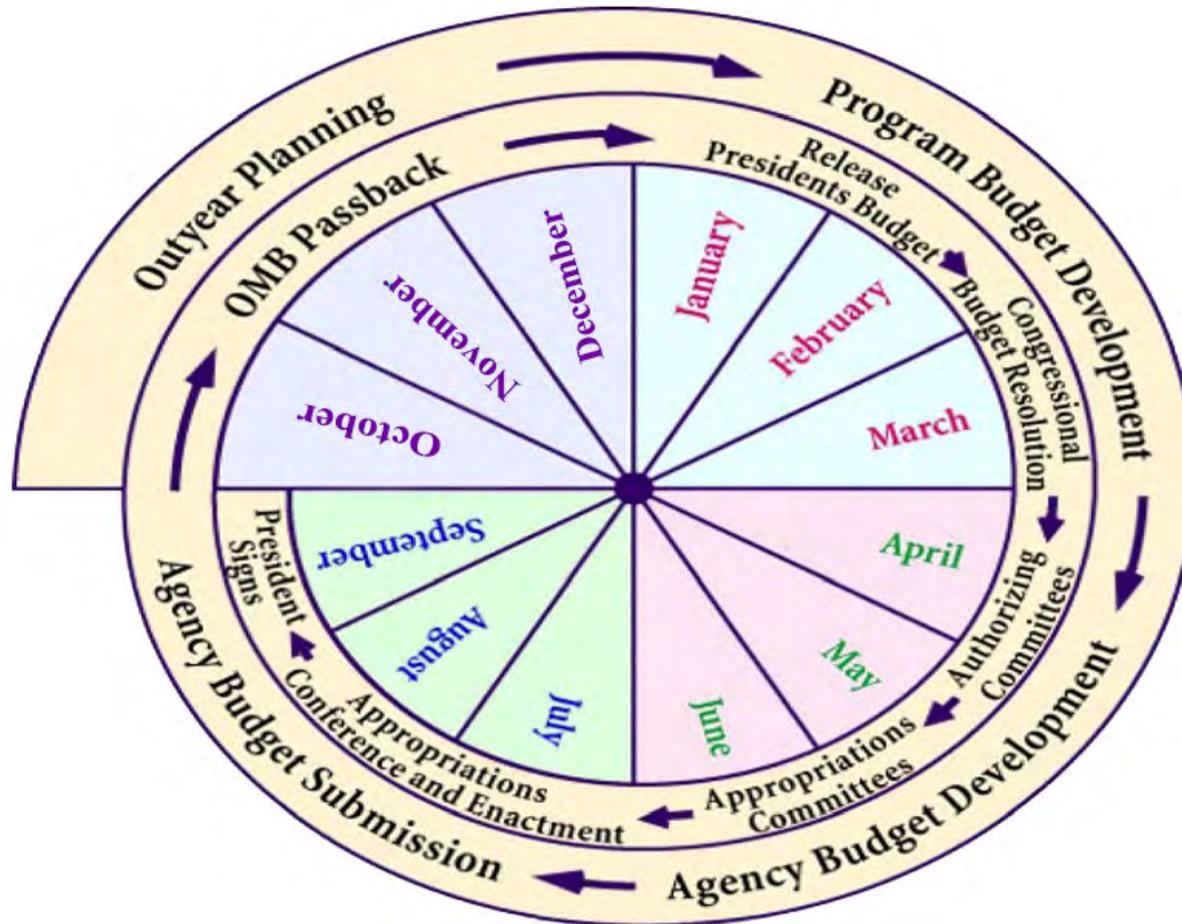
Example of DOE budget planning timeline



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Federal Budget Cycle



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NFO Budget Process

- NSSAB Recommendation March 2016
- Budget Guidance Issued by EM Headquarters (HQ) to Field Offices March 2016
- DOE Response to NSSAB April 2016
- NFO Budget Briefing Presented to EM HQ April 2016
- Integrated Priority List Submitted to EM HQ April 2016



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NFO Budget Process

(continued)

- Office of Management and Budget (OMB)
Budget Decisions Issued August 2016*
- Final DOE Budget to OMB September 2016*
- OMB Passback December 2016*
- President's Budget to Congress February 2017*

*Based on last fiscal year planning



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Tonight's Path Forward

- Baseline briefing
- **The ranking process**
- Description of each task (9 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 9 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 1-9 points using their worksheet
 - 9 points being highest priority and 1 point being lowest priority

ENVIRONMENTAL MANAGEMENT

Task – A

Off-Site Soils - Two Corrective Action Units (CAUs)

- CAU 413, Clean Slate II Plutonium Dispersion (located on the Nevada Test and Training Range [NTTR])
 - Complete Closure Activities (includes preparation of closure report)
 - Continue Soils Studies (air monitoring)
- Risk/consequences if task not completed: agreements and schedules with U.S. Air Force and State of Nevada Division of Environmental Protection (NDEP) would be affected



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NSSAB Baseline Prioritization Worksheet

Name _____

Task	Title	Notes	Baseline Ranking (1-9 points)*
A	Off-Site Soils - Two Corrective Action Units (CAUs)		
B	Pahute Mesa - Well Development Testing & Sampling Analysis/Water Level Monitoring		
C	Pahute Mesa - Geological and Hydrological Analysis and Evaluation		
D	Pahute Mesa - Flow and Transport Modeling		
E	All UGTA CAUs - Annual Sampling		
F	Yucca Flat - Multiple Well Pump Test		
G	Yucca Flat - Model Evaluation Activities		
H	Rainier Mesa External Peer Review		
I	Area 5 Radioactive Waste Management Disposal Operations		

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



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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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Tonight's Path Forward

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FY 2018 Soils Tasks



Tiffany Lantow
Soils Activity Lead
U.S. Department of Energy



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Task – A

Off-Site Soils - Two Corrective Action Units (CAUs)

- CAU 413, Clean Slate II Plutonium Dispersion (located on the Nevada Test and Training Range [NTTR])
 - Complete Closure Activities (includes preparation of closure report)
 - Continue Soils Studies (air monitoring)
- Risk/consequences if task not completed: agreements and schedules with U.S. Air Force and State of Nevada Division of Environmental Protection (NDEP) would be affected



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Task – A

(continued)

Off-Site Soils - Two Corrective Action Units (CAUs)

CAU 413 Clean Slate II

Prior Years

Fiscal Year 2018

Future Years

Corrective Action
Plan

Closure Report

Post-Closure Monitoring



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Task – A

(continued)

Off-Site Soils - Two Corrective Action Units (CAUs)

- CAU 414, Clean Slate III Plutonium Dispersion (located on the NTTR)
 - Complete Corrective Action Plan and submit to NDEP and initiate closure activities
 - Continue Soils Studies (air monitoring)
- Risk/consequences if task not completed: agreements and schedules with U.S. Air Force and NDEP would be affected



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Task – A

(continued)

Off-Site Soils - Two Corrective Action Units (CAUs)

CAU 414 Clean Slate III

Prior Years

Fiscal Year 2018

Future Years

**Corrective Action
Decision Document**

Corrective Action Plan

**Initiate Closure
Activities**

Post-Closure Monitoring



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FY 2018 Groundwater Characterization Tasks



Bill Wilborn
Underground Test Area (UGTA)
Activity Lead
U.S. Department of Energy



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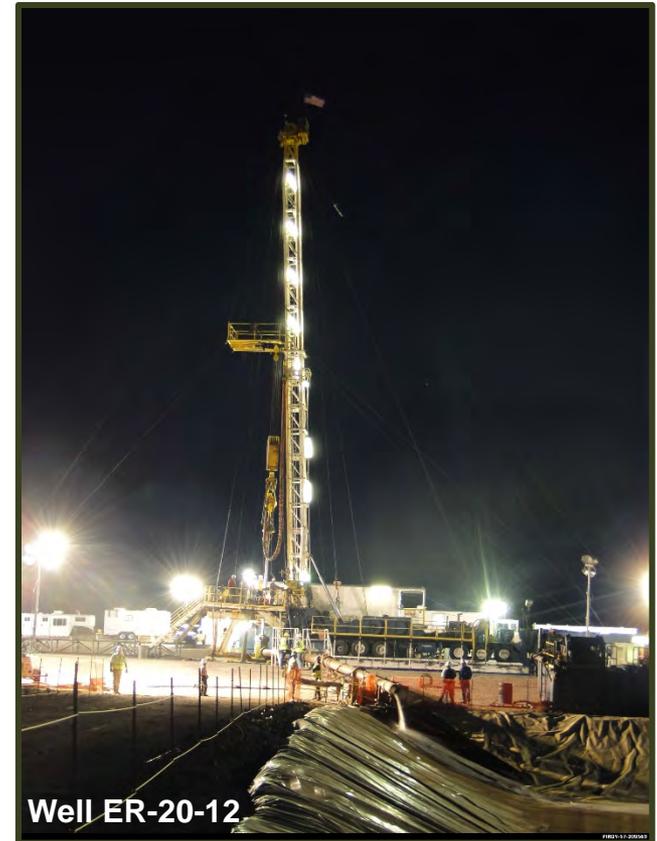
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Task – B

Pahute Mesa – Well Development Testing & Sampling Analysis/Water Level Monitoring

- Complete well development testing and sampling analysis of Well ER-20-12
- Risk/consequences if task not completed: potential for small impact to analysis and evaluation work



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Task – B (continued)

Pahute Mesa – Well Development Testing & Sampling Analysis/Water Level Monitoring

Prior Years

Fiscal Year 2018

Future Years

Well Development Testing & Sampling

Well Development Testing & Sampling Analysis

Incorporate Data into Flow Model

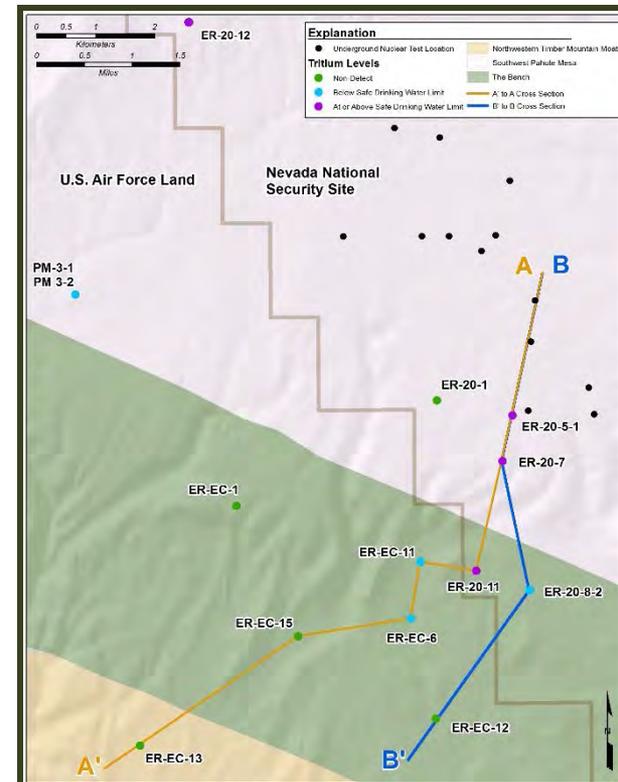
Water-Level Monitoring



Task – C

Pahute Mesa – Geological and Hydrological Analysis and Evaluation

- Continue geological and hydrological analysis and evaluation
 - Work is specific to ongoing characterization activities through FY 2020
- Risk/consequences if task not completed: potential for delay of Flow and Transport document



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Task – C

(continued)

Pahute Mesa – Geological and Hydrological Analysis and Evaluation

Prior Years

Fiscal Year 2018

Future Years

Data Acquisition (i.e., Drilling Well Development)

Geological/Hydrological Analysis

Incorporate Data into Flow & Transport Model



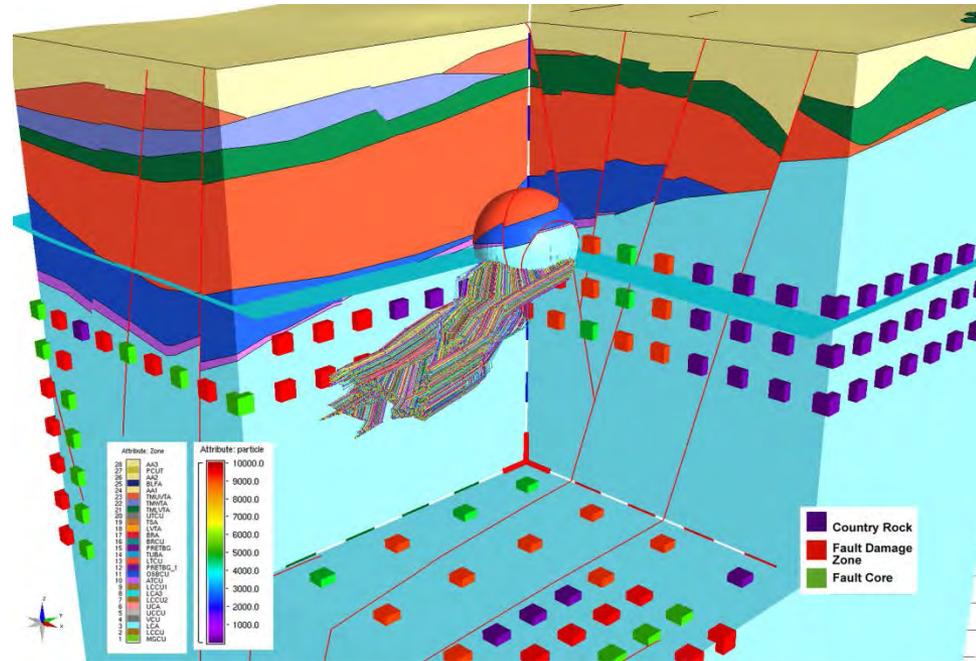
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Task – D

Pahute Mesa – Flow and Transport Modeling

- Begin development of the Central and Western Pahute Mesa Flow and Transport Model
 - Work includes all supplemental modeling
- Risk/consequences if task not completed: potential for delay of External Peer Review and subsequent NDEP decision



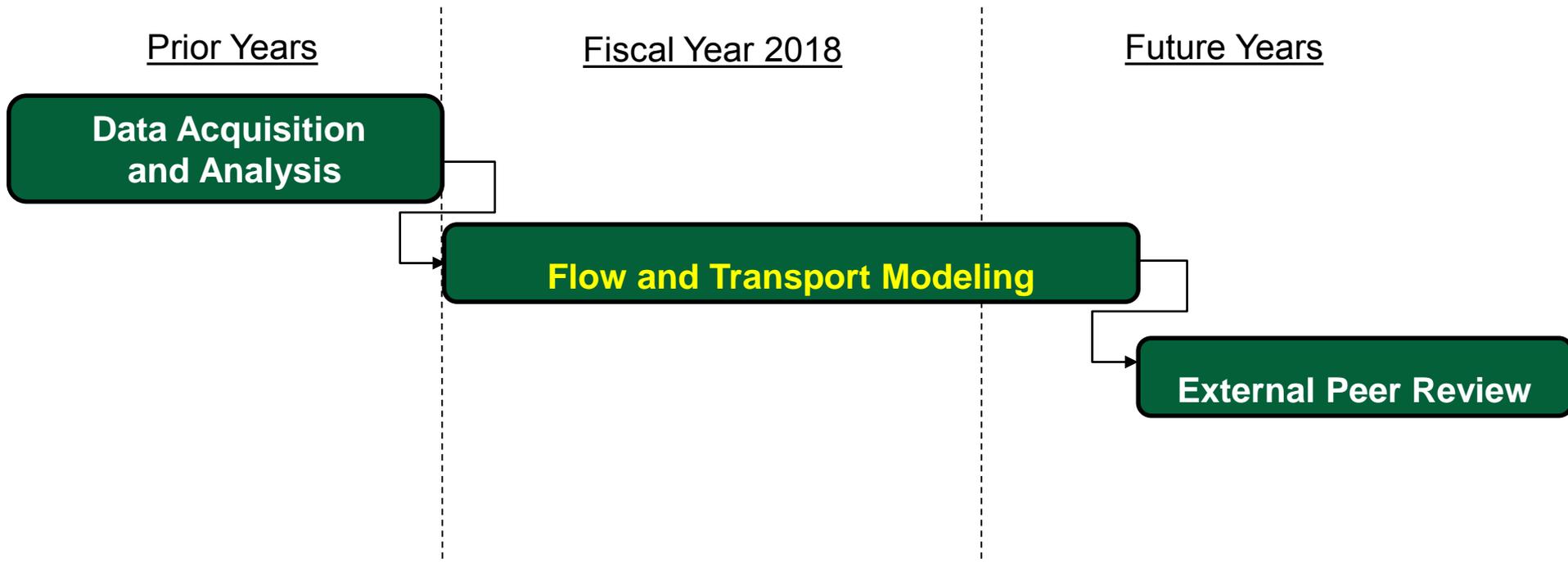
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Task – D

(continued)

Pahute Mesa – Flow and Transport Modeling



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Task – E

All UGTA CAUs – Annual Sampling

- Continue ongoing sampling activities for each CAU as prescribed by the NNSS Integrated Sampling Plan
 - 73 active wells, six categories
 - Two-five year frequency
 - Primary contaminant of concern is tritium



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Task – E (continued)

All UGTA CAUs – Annual Sampling

- Risk/consequences if task not completed:

- If all defined sampling not completed, DOE will fall short of Integrated Sampling Plan expectations
 - Possibility of making up in near future or address as a documented sampling variance
- Priorities with funding and resources likely to be main impact



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Log No. 2016-038

Task – E (continued)

All UGTA CAUs – Annual Sampling

Prior Years

Fiscal Year 2018

Future Years

Annual Sampling

**CAU Closure
Report Approval**



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Task – F

Yucca Flat – Multiple Well Pump Test

- Complete multiple well pump test
 - Includes work currently being performed with transducers
- Risk/consequences if task not completed: potential to delay model evaluation



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Task – F (continued)

Yucca Flat – Multiple Well Pump Test

Prior Years

Fiscal Year 2018

Future Years

Pump Test Field Operations

Pump Test Analysis

Incorporate Data into Model
Evaluation Report



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Task – G

Yucca Flat – Model Evaluation Activities

- Continue additional data collection, analysis, and evaluation, if necessary
- Risk/consequences if task not completed: potential to delay closure of CAU



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Task – G

(continued)

Yucca Flat – Model Evaluation Activities

Prior Years

Data Acquisition (i.e.,
Drilling, Well
Development)

Fiscal Year 2018

Model Evaluation Data Analysis

Future Years

Model Evaluation
Reporting



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Task – H

Rainier Mesa – External Peer Review

- Complete External Peer Review
- Risk/consequences if task not completed: potential to delay closure of CAU



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Task – H

(continued)

Rainier Mesa – External Peer Review

Prior Years

Fiscal Year 2018

Future Years

Transport Model –
Technical Closeout

External Peer Review

Closure Report



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FY 2018 Low-Level Waste Tasks



Jhon Carilli
Low-Level Waste (LLW) Activity Lead
U.S. Department of Energy



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Task – I

Area 5 Radioactive Waste Management Disposal Operations

- Maintain capability to safely receive and dispose approximately 1.2 M cubic feet of LLW and MLLW
- Continue environmental monitoring activities at the Area 5 Radioactive Waste Management Complex
- Continue Facility Evaluations of generators per the Nevada National Security Site (NNSS) Waste Acceptance Criteria
- Maintain Performance Assessment, Composite Analysis, and Documented Safety Analysis to dispose waste



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Log No. 2016-038

Task – I

(continued)

Area 5 Radioactive Waste Management Disposal Operations

- Risk/consequences if task not completed:
 - NNSS-specific: potential for inability to dispose of own wastes; consequently forced to expend additional costs for commercial disposal
 - DOE complex: potential for missed milestones; additional costs; inability to dispose some wastes



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Task – I

(continued)

Area 5 Radioactive Waste Management Disposal Operations

Prior Years

Fiscal Year 2018

Future Years

Area 5 Radioactive Waste Management Disposal Operations



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Tonight's Path Forward

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NSSAB Baseline Prioritization Worksheet			Name _____
Task	Title	Notes	Baseline Ranking (1-9 points)*
A	Off-Site Soils - Two Corrective Action Units (CAUs)		
B	Pahute Mesa - Well Development Testing & Sampling Analysis/Water Level Monitoring		
C	Pahute Mesa - Geological and Hydrological Analysis and Evaluation		
D	Pahute Mesa - Flow and Transport Modeling		
E	All UGTA CAUs - Annual Sampling		
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*9 points being highest priority and 1 point being lowest priority			



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Tonight's Path Forward

- Baseline briefing
- The ranking process
- Description of each task (9 tasks total)
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Final Tallied Rankings

Task	Title	A. Anderson	D'Alessio	Edmond	Hruska	Keiserman	Moore	Neill	Rosenbaum	Rosemark	Sears	Seley	Snyder	Sypolt	Vega	Total Points
A	Off-Site Soils - Two Corrective Action Units (CAUs)															0
B	Pahute Mesa - Well Development Testing & Sampling Analysis/Water Level Monitoring															0
C	Pahute Mesa - Geological and Hydrological Analysis and Evaluation															0
D	Pahute Mesa - Flow and Transport Modeling															0
E	All UGTA CAUs - Annual Sampling															0
F	Yucca Flat - Multiple Well Pump Test															0
G	Yucca Flat - Model Evaluation Activities															0
H	Rainier Mesa - External Peer Review															0
I	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

March 25, 2015

Members

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

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) 2017 Baseline
Prioritization—Work Plan Item #7

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 2017 budget submittal.

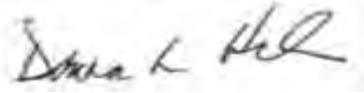
At the March 25 Full Board meeting, the NSSAB was provided a list of EM activities and was asked by DOE to prioritize them by related groupings. The items listed below were ranked by the Board from the highest to the lowest priority, as follows:

- 1. Area 5 Radioactive Waste Management Disposal Operations**
- 2. Mixed Low-Level Waste Activities**
- 3. Pahute Mesa—Flow and Transport Activities**
- 4. All UGTA CAUs—Annual Sampling**
- 5. Pahute Mesa—Geologic and Hydrologic Analysis of Data Collection**
- 6. Off-Site Soils—Three Corrective Action Units (CAUs)**
- 7. NNSS Soils—Two CAUs**
- 8. Yucca Flat—Multiple-Well Pumping Test**
- 9. Yucca Flat—Model Evaluation Activities**
- 10. Rainier Mesa/Shoshone Mountain—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 and contractor

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,

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 typed name.

Donna L. Hruska, Chair

cc: K. G. Ellis, 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
J. T. Carilli, NFO
C. G. Lockwood, NFO
T. A. Lantow, NFO
K. K. Snyder, NFO
W. R. Wilborn, NFO
B. K. Ulmer, Navarro
NSSAB Members and Liaisons

NSSAB Baseline Prioritization Worksheet

Name _____

Task	Title	Notes	Baseline Ranking (1-9 points)*
A	Off-Site Soils - Two Corrective Action Units (CAUs)		
B	Pahute Mesa - Well Development Testing & Sampling Analysis/Water Level Monitoring		
C	Pahute Mesa - Geological and Hydrological Analysis and Evaluation		
D	Pahute Mesa - Flow and Transport Modeling		
E	All UGTA CAUs - Annual Sampling		
F	Yucca Flat - Multiple Well Pump Test		
G	Yucca Flat - Model Evaluation Activities		
H	Rainier Mesa External Peer Review		
I	Area 5 Radioactive Waste Management Disposal Operations		

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

Radioactive Waste Acceptance Program Assessment Improvement Opportunities Work Plan Item #7



Jhon Carilli

Low-Level Waste Activity Lead

U.S. Department of Energy, Nevada Field Office

Nevada Site Specific Advisory Board (NSSAB)

March 16, 2016



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NSSAB Work Plan Item #7

NSSAB members (Jack Sybolt and Cecilia Flores Snyder) to observe a Radioactive Waste Acceptance Program (RWAP) Facility Evaluation and present their observations to the Full Board at the May 18, 2016 Full Board meeting and provide a recommendation for ways to improve the RWAP assessment process

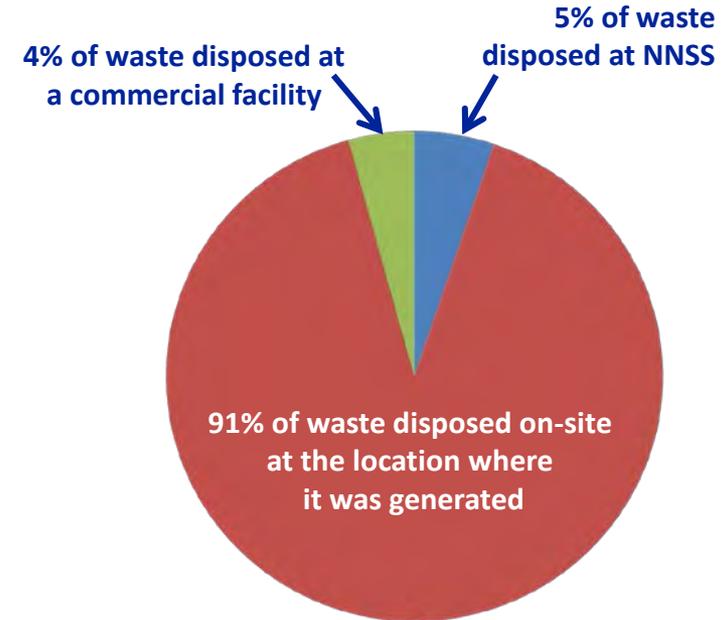


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Background

- Cold War-related activities and nuclear research generated Low-Level Waste (LLW) at sites across the country
- Department of Energy (DOE) is responsible for consolidating and disposing LLW generated by DOE clean-up activities
- Annually, the Nevada National Security Site (NNSS) disposes approximately 5% of the total waste generated in the Environmental Management (EM) Program

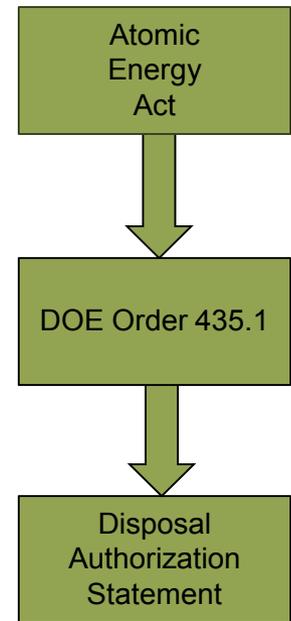


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Regulatory Authority for LLW Disposal

- Atomic Energy Act of 1954, as amended
- DOE Order 435.1 and DOE Manual 435.1-1
 - Disposal Authorization Statement
 - Performance Assessment/ Composite Analysis (PA/CA) – analysis of the impacts to protect workers and public
 - Disposal Facility Monitoring Plan
 - Closure Plan
 - Maintenance Plan
 - NNSS Waste Acceptance Criteria
 - Annual Review of PA/CA
 - Independent review by LLW Federal Review Group



Advantages of LLW Disposal at the NNSS



- Low precipitation
- High evapotranspiration
- No surface water
- No pathway to groundwater
- Isolated location



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Key Terminology

- Waste Generator Sites
 - DOE and Department of Defense sites that generate LLW and mixed LLW radioactive waste
- Waste Stream
 - A waste or group of wastes from a process or a facility with similar physical, chemical, and radiological properties

◆ Approved Waste Generator



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Key Terminology

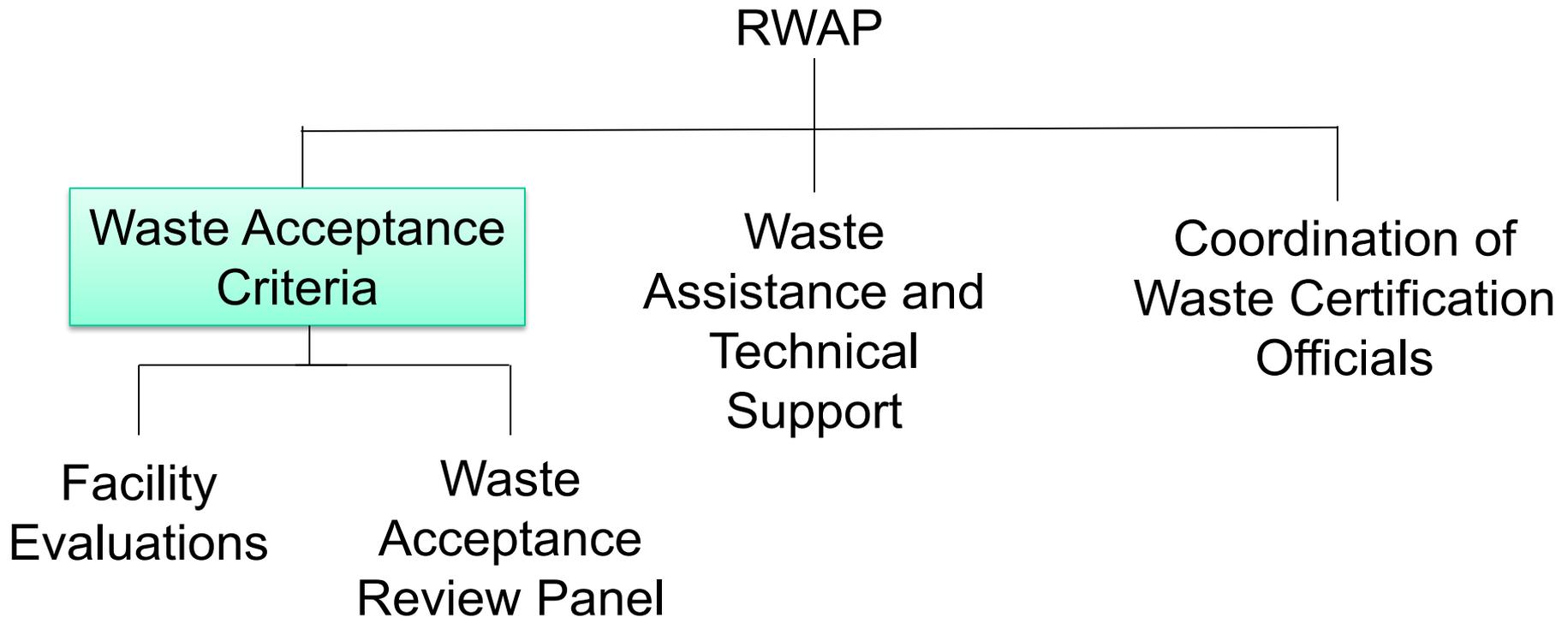
(continued)

- NNS Waste Acceptance Criteria (WAC)
 - Document that establishes rigorous disposal acceptance criteria for waste generator sites and their proposed waste streams
- Waste Profile
 - Application by a generator to dispose a waste stream at the NNS that demonstrates compliance with the NNS WAC



Radioactive Waste Acceptance Program (RWAP)

The RWAP consists of three activities shown below:



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Facility Evaluation Background

- Utilizing a schedule, the RWAP team visits every active generator on a regular basis (typically annually)
- Conducted by certified RWAP personnel at the generator's location:
 - Audit – *comprehensive* Waste Certification Program review
 - Review of entire program
 - Multiple day visit – 3 days on average
 - Planned – generator receives notification and provides requested program documents for RWAP review before on-site visit



Facility Evaluation Background (continued)



- Surveillance – *focused* Waste Certification Program review
 - Review of a specific area with limited scope
 - Visit lasts 1-2 days on average
 - Impromptu - generator receives minimal notification for security measures only





Purpose of RWAP Facility Evaluations

- Facility Evaluations evaluate compliance and implementation for the following program elements:
 - Quality Assurance
 - Waste Traceability
 - Resource Conservation and Recovery Act (RCRA) Waste Characterization (hazardous waste characterization)
 - Radiological Characterization



Quality Assurance (QA)

- Verify that generator has an approved site QA Plan demonstrating compliance to the NNSW WAC
- Verify that generator has an approved NNSW WAC Implementation Crosswalk and performed an annual review of referenced procedures, processes, and methods
 - Implementation Crosswalk - generator's description of how NNSW WAC requirements are met
- Verify that the generator has the required training to perform self assessments
- Verify waste disposal packaging and contents



Waste Traceability



- Verify waste containers are controlled to ensure integrity and packages not compromised
- Verify inspections and acceptance testing are conducted
- Verify containers are properly stored, moved, and shipped
- Verify control of measuring and test equipment



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RCRA Waste and Radiological Characterization



- Verify that waste characterization methods and procedures employed document the physical and chemical characteristics
- Verify that generator's waste characterization documentation matches the approved waste profile submitted to DOE
- Verify that controls are in place to verify and evaluate stabilization methods, packaging, labeling, sealing, separation, segregation, and prohibited item removal



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DOE Role

- Oversees waste acceptance and disposal and approve waste profiles
- Ensures environmental protection and worker and public safety
- ***Observes contractor during Facility Evaluations***
- Documents observations and provides feedback to the contractor RWAP auditors and interfaces with the site Federal representatives



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State of Nevada Division of Environmental Protection Role

- Oversees hazardous waste management as outlined in the State of Nevada RCRA permit (includes Federal Facility Agreement and Consent Order)
- Provides joint oversight with DOE by participating in RWAP processes per an Agreement in Principle
- ***Attends and observes DOE, NNSS Federal contractor, and generator during Facility Evaluations***



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Navarro Contractor Role

- Reviews waste profiles for compliance with the NNSS WAC
- Maintains and provides technical support for NNSS WAC
- ***Performs Facility Evaluations (audits and surveillances) and oversees any corrective actions***
- Recommends approval of waste streams that can be safely disposed at the NNSS
- Ensures the disposal facility will continue to meet requirements
- Ensures environmental protection and worker and public safety
- Ensures waste originated from DOE or Department of Defense



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Navarro Contractor General Auditor Training

- Required Reading
 - RWAP procedures
 - NNSS WAC
 - Waste generator approval process
- On-the-job training
 - Checklist review and completion
 - Corrective action plan and objective evidence reviews
- Classroom training
 - Root cause analysis
 - Auditor/lead auditor classroom training; requires passing score on exam
- Proficient oral and written communication skills



Navarro Contractor Auditor Specific Training

- Auditor:
 - Participate in a minimum of four RWAP Facility Evaluations under the guidance of a qualified Subject Matter Expert (SME)
- Lead Auditor:
 - Participate in a minimum of two RWAP Facility Evaluations as Lead Auditor (LA) under the guidance of a qualified SME/LA



Navarro Contractor Functional Specific Training

- Radiological Characterization Auditor:
 - Participate in a formal training course in radiation detection, radiochemical analysis, or radioactive waste management
- Chemical Characterization Auditor:
 - Participate in a formal RCRA training course



Facility Evaluation Process



- Notify waste generator of Facility Evaluation
- Request program documents for review
- Review shipment discrepancy log
- Develop checklist



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Facility Evaluation Process (continued)

- Brief RWAP team of scope & responsibilities
- Perform interviews of generator personnel
- Observe work being performed
- Conduct in-briefing with generator personnel
- Evaluate and document objective evidence
- Issue report approximately 30 days after Facility Evaluation



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Facility Evaluation Process

(continued)

- Brief generator during exit meeting of any Observations and/or Corrective Action Requests (CAR)
 - Observation – a weakness in a generator's QA or waste certification program that, if left uncorrected, could result in a condition adverse to quality
 - Requires a written response by generator
 - Maintains approval to ship waste to NNSS
 - CAR – document that tracks deficient (requirement violation) conditions adverse to quality until satisfactorily resolved
 - Requires in-depth investigation by generator
 - May result in suspension of approval to ship waste to NNSS



Facility Evaluation Process

(continued)

- Formal CAR closeout process:
 - Generator determines a root cause based on its investigation
 - Generator provides a Corrective Action Plan (CAP) to RWAP that identifies problem and its proposed solution
 - RWAP reviews the CAP and accepts or rejects until satisfied that generator has a viable solution
 - RWAP performs on-site verification once CAP is completed
 - If a suspension was put in place, it may be lifted once verification activities have been completed
 - Process takes approximately 60 days



NSSAB Path Forward

- NSSAB Members – Jack Sypolt and Cecilia Flores Snyder observe an RWAP Facility Evaluation for National Security Technologies, Inc. on March 22 – 23, 2016
- Jack and Cecilia report their observations to the Full Board at the May 18, 2016 meeting
- Full Board provides a recommendation for ways to improve the RWAP assessment process at the May 18, 2016 meeting



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Nevada Site Specific Advisory Board

January 20, 2016

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 Path to Closure for Rainier Mesa/Shoshone Mountain (Work Plan Item #6)

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 (DOE) on if the Board supports the plan to closure for Rainier Mesa/Shoshone Mountain groundwater corrective action unit and how it could be enhanced.

After receiving a briefing, asking extensive questions, and further deliberating, the NSSAB supports DOE's alternate path forward for Rainier Mesa/Shoshone Mountain. At this time, the NSSAB does not have any recommendations for enhancements to the path forward, but would request that the Board be kept apprised on the progress to closure at Rainier Mesa/Shoshone Mountain.

The Board especially wants to thank Andrew Tompson for his time in briefing this work plan item.

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. R. Wilborn, NFO
A. F. B. Tompson, LLNL
B. K. Ulmer, Navarro
NSSAB Members and Liaisons

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



Department of Energy
National Nuclear Security Administration
Nevada Field Office
P.O. Box 98518
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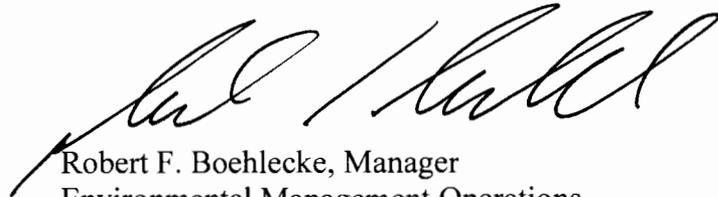
MAR 07 2016

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

RESPONSE TO NEVADA SITE SPECIFIC ADVISORY BOARD (NSSAB)
RECOMMENDATION FOR PATH TO CLOSURE FOR RAINIER MESA/SHOSHONE
MOUNTAIN (WORK PLAN ITEM #6)

I would like to thank the NSSAB for taking the time to be briefed on the Nevada Field Office's path to closure at Rainier Mesa/Shoshone Mountain. The Nevada Field Office appreciates the NSSAB's support of its alternative path forward, and updates on the progress to closure at Rainier Mesa/Shoshone Mountain will be provided at future NSSAB meetings.

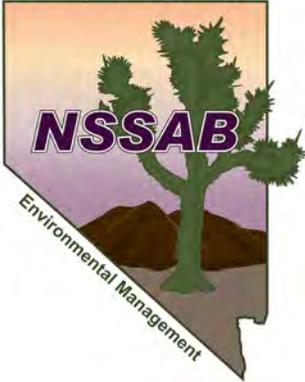
Please direct comments and questions to Kelly K. Snyder at (702) 295-2836.



Robert F. Boehlecke, Manager
Environmental Management Operations

EMO:11708.RB

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



Nevada Site Specific Advisory Board

January 20, 2016

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 Frenchman Flat Long-term Monitoring Plan
- Closure Report (Work Plan Item #5)

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 as to if the draft Frenchman Flat Long-term Monitoring Plan (Closure Report) meets communities expectations and if there are any recommended changes.

After receiving a briefing, review of the document, and further deliberation, the NSSAB recommends the following changes:

- Provide a drawing/diagram/narrative to further explain and clarify the water flow directions that are contained within the regional flow system versus the local flow system.
- Develop a brief pictorial summary of the document for the general public that can be accessible on the Nevada Field Office's website.

The Board wishes to thank Nicole DeNovio, Irene Farnham, and Bill Wilborn for briefing and answering questions regarding this Work Plan item.

Sincerely,

A handwritten signature in black ink, appearing to read 'Donna L. Hruska', is positioned above the typed name of the signatory.

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. R. Wilborn, NFO
B. K. Ulmer, Navarro
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Barbara Ulmer, Administrator
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U.S. Department of Energy,
Nevada Field Office



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MAR 07 2016

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

RESPONSE TO NEVADA SITE SPECIFIC ADVISORY BOARD (NSSAB)
RECOMMENDATION FOR FRENCHMAN FLAT LONG-TERM MONITORING PLAN -
CLOSURE REPORT (WORK PLAN ITEM #5)

Thank you for your January 20, 2016, letter regarding recommendations for the Frenchman Flat Long-term Monitoring Plan (Closure Report). Below are the NSSAB's recommendations and corresponding DOE responses:

- **NSSAB Recommendation:** Provide a drawing/diagram/narrative to further explain and clarify the water flow directions that are contained within the regional flow system versus the local flow system.

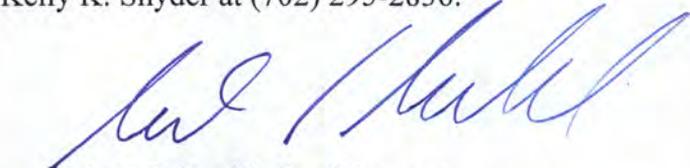
DOE Response: A drawing has been developed that clarifies the water flow directions contained within the regional flow system versus the local flow system and will be included in the brief pictorial summary recommended by the NSSAB in the second bullet below.

- **NSSAB Recommendation:** Develop a brief pictorial summary of the document for the general public that can be accessible on the Nevada Field Office's website.

DOE Response: A brief pictorial summary is currently under development. The Nevada Field Office is exploring methods that this final product may be utilized for multiple purposes.

As always, we appreciate the NSSAB providing valuable input on groundwater activities at the Nevada National Security Site.

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



Robert F. Boehlecke, Manager
Environmental Management Operations

EMO:11707.RB

cc via e-mail:

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

E. B. Davison, DOE/HQ (EM-3.2)

M. R. Hudson, DOE/HQ (EM-3.2)

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NFO Read File