

Nevada Site Specific Advisory Board

**Full Board Meeting
Wednesday, July 18, 2012**

In this folder...

- 1) 07/18/12 Draft Agenda (yellow)
- 2) Attendance Spreadsheet (orange)
- 3) Low-Level Waste Grant Assistance briefing (white)
- 4) West Valley Draft Waste Incidental to Reprocessing Evaluation Press Release (gray)
- 5) Draft Membership Recommendation for Formal Frenchman Flat Response Plan (peach)
- 6) Draft Membership Recommendation to Re-evaluate Options for Groundwater Contamination Containment/Removal (pink)
- 7) Draft Membership Recommendation for Long-term Monitoring Activities at Closed Industrial Sites (lavender)
- 8) Groundwater Open House Flyer (tan)

NSSAB MEETING ATTENDANCE

Full Board Meetings

October 2011 through September 2012 (FY 2012)

									Maximum Terms Limit
Name	10/12/11	1/18/12	2/15/12	3/21/12	5/16/12	7/18/12	9/19/12		
MEMBERS									
Kathleen Bienenstein	✓	✓	✓	✓	✓				2014
Matthew Clapp	✓	✓	✓	✓	E				2017
Daniel Coss	✓	✓	✓	✓	✓	E			2017
Thomas Fisher	✓	✓	✓	✓	✓				2017
Arthur Goldsmith	✓	✓	✓	✓	E				2017
Donna Hruska	✓	✓	✓	✓	✓				2016
Robert Johnson	✓	✓	✓	✓	✓				2012
John McGrail	✓	✓	✓	✓	✓				2014
Barry LiMarzi	✓	✓	✓	✓	✓	E			2017
Gregory Minden	✓	✓	✓	✓	✓				2016
Michael Moore	✓	✓	✓	✓	✓				2016
Michael Voegele	✓	✓	✓	RS					2016
James Weeks	✓	✓	✓	E	✓				2013
Walter Wegst	✓	✓	✓	✓	✓				2012
Mitzie Wilson	✓								2017
LIAISONS									
Joni Eastley									
Cielomina Gumabon	✓	1/2		1/2	✓				2012
John Klenke		✓	✓	✓	✓				
Phil Klevorick	✓	✓	✓	✓	✓				
Justine Leavitt	✓	✓		1/2	✓				2013
Tim Murphy	✓	✓	✓	✓	✓				
Genne Nelson		✓	✓		✓				
Scott Wade	✓	✓	✓	✓	✓				
Key:									
	✓ = Present								
	E = Excused U = Unexcused								
	RM = Removed RS = Resigned								
	Term Limit								

Low-Level Waste Grant Assistance



Scott Wade

Assistant Manager for Environmental Management

NSSAB Full Board Meeting

July 18, 2012



EM *Environmental Management*

safety ❖ performance ❖ cleanup ❖ closure

www.em.doe.gov

Briefing Overview

- Grant Background
- Grant Distribution to Date
- Examples of Accomplishments
- Funding Projections



EM Environmental Management

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284FY12 07/18/2012
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Grant Background

- Initiated “Good Neighbor Policy” in 2000 to assist counties impacted by low-level waste shipments
- Funding based on waste generator fee of \$0.50 per cubic foot of waste disposed of at the Nevada National Security Site
- Funding provided to six (6) Nevada counties - Clark, Elko, Esmeralda, Lincoln, Nye, and White Pine
- Funding distribution is “needs based”



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Grant Background (continued)

- Instituted under the Department of Energy (DOE)/Nevada Agreement in Principle with the State of Nevada
- Funding administered by the Nevada Division of Emergency Management
- Approved scope includes emergency related expenditures such as travel, training, equipment, supplies/operating expenses, and construction that supports DOE low-level waste



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Low-Level Waste Grant Assistance

Fiscal Year	Waste Volume (cubic feet)	Grant Dollars
2000	646,139	\$323,070
2001	1,230,123	\$615,062
2002	2,314,714	\$1,157,357
2003	3,237,473	\$1,618,737
2004	3,743,292	\$1,871,646
2005	2,089,028	\$1,044,514
2006	1,172,949	\$586,474
2007	943,824	\$471,912
2008	1,174,656	\$587,328
2009	1,273,468	\$636,734
2010	2,347,052	\$1,173,526
2011	1,766,254	\$883,127
TOTAL		\$10,969,487



EM Environmental Management

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Examples of Accomplishments

- Most responders in six (6) counties trained to Operations Level
- Enhanced communications including communications studies, new repeater equipment, radios, pagers, and satellite phones
- New personal protective equipment such as turnouts and self-contained breathing apparatus



Examples of Accomplishments

(continued)

- New response equipment such as ambulances, squad cars, fire trucks, rescue equipment, and detectors
- Construction of facilities such as the Emergency Operations Center in Goldfield and the new Ely fire station were completed



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Conclusion

- Local Responders are better trained and equipped
- Responder safety is enhanced
- Public Safety is enhanced
- Improvements support day-to-day public safety requirements





U.S. DEPARTMENT OF **ENERGY**

WEST VALLEY DEVELOPMENT PROJECT WEST VALLEY, NEW YORK

NEWS MEDIA CONTACT:
Bryan Bower: 716-942-4368
Bill Taylor: 803-952-8564

FOR IMMEDIATE RELEASE
June 28, 2012

West Valley Draft Waste Evaluation

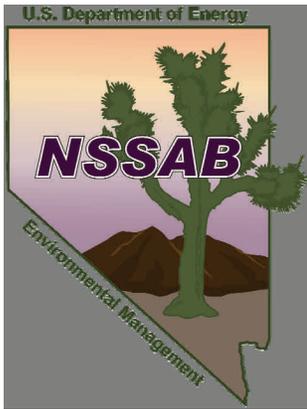
West Valley, New York – The U.S. Department of Energy (DOE) today released to the Nuclear Regulatory Commission (NRC), the public and the states of Nevada and Texas, for review and comment, a Draft Waste Incidental to Reprocessing (WIR) Evaluation (Draft Evaluation) for the concentrator feed makeup tank and the melter feed hold tank (the vessels) at the West Valley Demonstration Project (WVDP). This Draft Evaluation, which may enable the Department to dispose of the vessels as low-level radioactive waste (LLW), is a necessary step in the Department’s cleanup efforts at WVDP and meets its obligations under the WVDP Act of 1980. The current schedule calls for disposition of the vessels by 2017.

The vessels were used in connection with vitrification of high-level waste (HLW) that had been generated by commercial reprocessing of spent nuclear fuel at the Western New York Nuclear Service Center in West Valley, New York, by Nuclear Fuel Services, Inc., from 1966 through 1972. The Department undertook the solidification activities pursuant to its responsibilities under the WVDP Act.

Under the Atomic Energy Act of 1954, as amended, the Department has the authority to determine whether the vessels are “waste incidental to reprocessing,” and thus are not HLW and are to be managed and disposed of as LLW. To determine that the vessels are “waste incidental to reprocessing” and are LLW, the Department must demonstrate that key radionuclides have been removed to the maximum extent that is technically and economically practical, that they will be managed to meet safety requirements comparable to NRC performance objectives for LLW, that they will be managed in accordance with Departmental requirements for LLW, and that they will be in a solid form that meets NRC concentration limits for Class C LLW.

This Draft Evaluation demonstrates that the West Valley vessel waste packages may be managed and disposed of as LLW. The vessel waste packages will meet the applicable waste acceptance criteria for the offsite LLW disposal facilities considered in this Draft Evaluation, either the Nevada National Security Site Area 5 Radioactive Waste Management Site in Nevada or the Waste Control Specialists Federal Facility Waste Disposal Facility in Texas. DOE’s decision on the disposal facility is not within the scope of this Draft Evaluation. The Department is consulting with the NRC and considering public and state comments before finalizing this evaluation.

A notice is expected to be published in the *Federal Register* on June 29, 2012. A 45-day public and state comment period will close on August 13, 2012.



Nevada Site Specific Advisory Board

July 18, 2012

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

SUBJECT: Recommendation Regarding a Need for a
Formal Response Plan if Contamination Goes
Beyond the Regulatory Boundary Related to
Frenchman Flat

Dear Mr. Boehlecke:

The Nevada Site Specific Advisory Board (NSSAB) was asked by the U.S. Department of Energy to provide a recommendation regarding the need for a formal response plan if contamination goes beyond the regulatory boundary related to Frenchman Flat.

The NSSAB appreciates the opportunity to provide meaningful input to the DOE and has decided to focus its efforts on other work plan items. Therefore, the NSSAB will not be making a recommendation.

Sincerely,

Kathleen L. Bienenstein, Chair

cc: M. Nielson, DOE/HQ (EM-13) FORS
C. Alexander, DOE/HQ (EM-13) FORS
A. Clark, DOE/HQ (EM-13) FORS
K. Snyder, PSG, NNSA/NSO, Las Vegas, NV
C. Lockwood, PSG, NNSA/NSO, Las Vegas, NV
A. Gallegos, N-I, Las Vegas, NV
NSSAB Members and Liaisons
NNSA/NSO Read File

Members

Kathleen Bienenstein, Chair

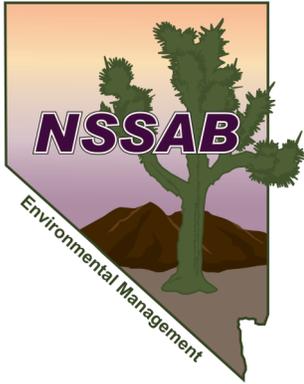
Matthew Clapp
Daniel Coss
Thomas Fisher, PhD
Arthur Goldsmith
Donna Hruska
Barry LiMarzi
Michael Moore
James Weeks

Liaisons

Clark County
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)

Administration

Ashlee Gallegos, Acting
Administrator
Navarro-Intera
Kelly Snyder, DDFO
U.S. Department of Energy,
Nevada Site Office



Nevada Site Specific Advisory Board

July 18, 2012

Mr. Rob Boehlecke,
Environmental Restoration Project Director
U.S. Department of Energy, Nevada Site Office
P. O. Box 98518
Las Vegas, NV 89193-8518

SUBJECT: Recommendation Regarding the Department of Energy's Need to
Re-evaluate Groundwater Contamination Containment/Removal
Alternatives

Dear Mr. Boehlecke,

The Nevada Site Specific Advisory Board was asked to determine if there was a need, from a community perspective, for the U.S. Department of Energy to re-evaluate groundwater contamination containment/removal alternatives at the Nevada National Security Site.

The Board reviewed *Evaluation of Selected Remedial Alternatives*, DOE/NV (1997) and the subsequent 2011 *Technical Peer Review of Nevada National Security Site Groundwater Remediation Strategy* and discussed this topic during the May 16, 2012 Full Board meeting. The Board recommends the Nevada Site Office continue its current groundwater strategy which incorporates intrinsic remediation and institutional controls. If at a future date new technologies or additional data warrant the need for a new or different strategy, the Board recommends the DOE complete such a review with the necessary resources.

The Board wishes to thank Environmental Management for the opportunity to review the groundwater contamination containment/removal alternatives.

Sincerely,

A handwritten signature in black ink, which appears to read 'KATHLEEN BIENENSTEIN', is positioned above the printed name of the signatory.

Kathleen L. Bienenstein, Chair

cc: M. Nielson, DOE/HQ (EM-3.2) FORS
C. Alexander, DOE/HQ (EM-3.2) FORS
K. Snyder, PSG, NNSA/NSO, Las Vegas, NV
C. Lockwood, PSG, NNSA/NSO, Las Vegas, NV
A. Gallegos, N-I, Las Vegas, NV
NSSAB Members and Liaisons
NNSA/NSO Read File

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Matthew Clapp
Daniel Coss
Thomas Fisher, PhD
Arthur Goldsmith

Donna Hruska, Vice-Chair

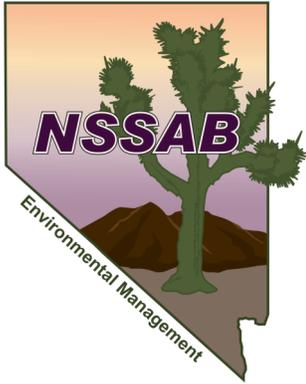
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Kelly Snyder, DDFO
U.S. Department of Energy,
Nevada Site Office

July 18, 2012

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

SUBJECT: Recommendation Regarding Long-term Monitoring Activities at
Closed Industrial Sites

Dear Mr. Boehlecke,

The Nevada Site Specific Advisory Board was asked to provide a recommendation to the U.S. Department of Energy regarding long-term monitoring activities at closed Industrial Sites at the Nevada National Security Site.

Overall, the Board agrees with the existing long-term monitoring approach but has several suggestions for enhancing the activities. The Board recommends the Nevada Site Office:

1. Identify ways to utilize resources efficiently to monitor high priority sites. For example, use solar powered sources and line of site communications to monitor sites with a Closed Circuit Television System, and/or sensors to alarm if someone is in the area of the closed site.
2. Find better means of barricading closed sites that can withstand arid weather conditions and keep animals out.
3. Create one document that outlines feasible options for closure monitoring in general, keeping site-specific decisions in applicable closure reports. This would allow a reader to identify the span of control that may be used at the NNSS.

4. Improve means of quality assurance by photographing, conducting aerial inspections, and have multiple people inspect the site prior to closure. This expanded process would prevent potential human error.
5. Expand the type of documentation completed during routine inspections to include photography.

The Board wishes to thank Environmental Management for the opportunity to provide a recommendation regarding long-term monitoring activities at closed Industrial Sites.

Sincerely,

Kathleen L. Bienenstein,
Chair

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Sponsored by the U.S. Department of Energy,
National Nuclear Security Administration Nevada Site Office



4th Annual Groundwater Open House

September 18, 2012

5-8 pm

**Amargosa Community Center
821 E. Amargosa Farm Road
Amargosa Valley, NV**

Join Federal, State, and County representatives to learn more about multiple groundwater programs designed to protect the public from the impacts of historic underground nuclear testing at the Nevada National Security Site.

**For more information:
702-295-3521 or www.nv.energy.gov/envmgt**