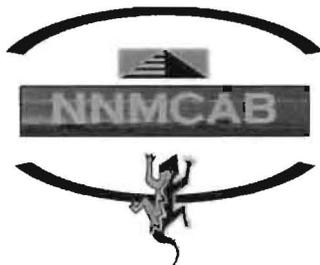


General



Northern New Mexico Citizens' Advisory Board
A U.S. Department of Energy Site-Specific Advisory Board
1660 Old Pecos Trail, Suite B, Santa Fe, NM 87505
Phone: 505.989.1662 or 1.800.218.5942
Fax: 505.989.1752 www.nnmcab.org



September 21, 2011

Dear Board Members,

Enclosed is the information you will need for the September 28th meeting of the Northern New Mexico Citizens' Advisory Board. The meeting will be held at the Sagebrush Inn and Conference Center in Taos.

This is a very important meeting, as you will be electing new officers for FY 2012. You will also be approving your committee work plans, your meeting schedule for 2012 and your "Top Three Issues" for the Oct. 20th video conference with Acting Assistant Secretary David Huizenga.

You will hear a presentation on Long Term Stewardship by Tom Longo from DOE Headquarters. You will also consider a draft recommendation to the DOE.

If you require an excused absence, you must request this in writing to: Lee Bishop, Lee.Bishop@nnsa.doe.gov; or to Ed Worth, Edwin.Worth@nnsa.doe.gov.

If you have any questions or require additional information, please do not hesitate to contact me. I look forward to seeing you all in Taos!

Kindest Regards,

Menice B. Santistevan
Executive Director

34771



Northern New Mexico Citizens' Advisory Board Meeting
September 28, 2011
1:00 p.m. to 7:00 p.m.
Sagebrush Inn and Conference Center
1508 Paseo de Pueblo Sur
Taos, New Mexico

AGENDA

<u>Time</u>	<u>Action</u>	<u>Presenter</u>
1:00 p.m.	Call to Order	Co-DDFOs
	Establishment of a Quorum (9 needed)	
	a. Roll Call	Karen Erickson
	b. Excused Absences	
	Welcome and Introductions	Ralph Phelps
	Welcome to Taos	Mayor Darren Cordova (Confirmed)
	Approval of Agenda	
	Approval of Minutes of July 27 th , 2011	
1:30 p.m.	Public Comment Period	
1:45 p.m.	Old Business	
	a. Written Reports – See Packet Enclosures (5 minutes)	
	b. Other items	
2:00 p.m.	New Business	
	a. Report from Nominating Committee (Section V, F. of NNM CAB Bylaws)	Deb Shaw
	b. Election of Chair and Vice Chair for FY '12	
	c. Consideration and Action on FY '12 Committee Work Plans	Ralph Phelps
	d. Consideration and Action on "Top Three Issues"	
	e. Discuss NNM CAB Meeting Locations for 2012	
	f. Appoint Ad Hoc Committee for Annual Self Evaluation	
	g. Other items	
2:45 p.m.	Items from DDFO's	Lee Bishop and Ed Worth
3:15 p.m.	Presentation on Long Term Stewardship	Tom Longo, DOE HQ
4:30 p.m.	Discussion on Draft Recommendation to the DOE	
5:00 p.m.	Dinner Break on the Patio	
6:00 p.m.	Public Comment Period	
6:15 p.m.	Consideration and Action on Draft Recommendation to DOE	Ralph Phelps
	• Draft Recommendation 2011-06 (Tabled on 7/20/11)	
	"Statement that LANL be Selected as a Screening Lab for Certain Greater Than Class C Low-Level Radioactive Wastes prior to Disposal at the WIPP Repository"	
6:45 p.m.	Wrap up and Comments from Board Members	
7:00 p.m.	Adjourn	Co-DDFOs



Northern New Mexico Citizens' Advisory Board Meeting

July 27, 2011

1:00 p.m. to 7:00 p.m.

Meeting Location: Holiday Inn and Suites

Los Alamos, New Mexico

MINUTES

Meeting Attendees:

Department of Energy

Lee Bishop, Co-Deputy Designated Federal Officer (DDFO)

Ed Worth, Co-Deputy Designated Federal Officer (DDFO)

NNMCAB Members

- 1. Ralph Phelps, NNMCAB Chair**
- 2. Robert Gallegos, NNMCAB Vice Chair**
- 3. Pam Gilchrist, EMSR Committee Co-Chair**
- 4. Deb Shaw, EMSR Committee Co-Chair**
- 5. Lawrence Garcia, WM Committee Vice Chair**
- 6. Lawrence Longacre**
- 7. Mike Loya**
- 8. Caroline Mason**
- 9. Carlos Valdez**
- 10. Manuel Pacheco, WM Committee Chair**
- 11. Bob Villarrael, WM Committee**
- 12. Nick Maestas**

Excused Absences

- 1. Jacquelyn Gutierrez**
- 2. Gerry Maestas**
- 3. Nicole Castellano**

NNMCAB Staff

Menice Santistevan, Executive Director
Lorelei Novak, Technical Programs and Outreach
Grace Roybal, Office Administrator
Edward Roybal, Sound Technician

Guests-

- 1. Douglas Sayre, Sayre Engineering**
- 2. Michele Jacquez Ortiz, Senator Tom Udall's Office**

- 1 3. Lorrie Bonds Lopez, LANL
- 2 4. John Heaton
- 3 5. Nona Girardi
- 4 6. Dave McInroy, LANL Corrective Actions Program Director
- 5 7. Thurman Tallez, Rotary
- 6 8. Harry Fugate, Portage
- 7 9. Annette Russell, DOE
- 8 10. Kim Granzow, NMED DOE Oversight Bureau
- 9 11. Steve Yanicak, NMED DOE Oversight Bureau
- 10 12. Pete Maggiore, DOE LASO
- 11

12 **AGENDA**

- 14 I. Call to Order
 - 15 II. Establishment of Quorum (8 needed)
 - 16 a. Roll Call
 - 17 b. Excused Absences
 - 18 III. Welcome and Introductions
 - 19 IV. Approval of Agenda
 - 20 V. Approval of Minutes of May 12, 2011
 - 21 VI. Public Comment Period
 - 22 VII. Old Business
 - 23 a. Written Reports
 - 24 b. Items from NNMCAB Members
 - 25 VIII. New Business
 - 26 a. Report on Semi-Annual Chairs' Meeting
 - 27 b. Consideration and Action on Products from Chairs' Meeting
 - 28 i. "Asset Retention"
 - 29 ii. "Using Rail Transport for Moving Waste"
 - 30 iii. Authorizing Funds for Movement of Historic/Cultural Artifacts"
 - 31 c. Report from Nominating Committee (Section V, F. of NNMCAB Bylaws)
 - 32 d. Items from NNMCAB Members
 - 33 IX. Update on Las Conchas Fire – Dave McInroy
 - 34 X. Presentation on Waste Isolation Pilot Plant – John Heaton
 - 35 XI. Discussion on Draft Recommendations to the DOE
 - 36 XII. Public Comment Period
 - 37 XIII. Consideration and Action on Draft Recommendation to the DOE
 - 38 a. Draft Recommendation 2011-06
 - 39 b. Draft Recommendation 2011-07
 - 40 c. Draft Recommendation 2011-08
 - 41 d. Draft Recommendation 2011-09
 - 42 XIV. Wrap-up Comments
 - 43 XV. Adjournment
 - 44
-

1 **MINUTES**

2 **I. Call to Order**

3 The regular bi-monthly meeting of the Northern New Mexico Citizens' Advisory Board
4 (NNMCAB or CAB) meeting was held on July 27, 2011 at the Holiday Inn and Suites in Los
5 Alamos, New Mexico. Mr. Worth, Co-Deputy Designated Federal Officer (DDFO), stated that on
6 behalf of the Department of Energy (DOE), the regular bi-monthly meeting of the NNMCAB was
7 called to order at 1:00 p.m.

8 Mr. Worth recognized Mr. Phelps as NNMCAB Chair. The Chair presided at the meeting.
9 The regular meeting of the NNMCAB was open to the public and posted in **The Federal Register**
10 in accordance with **The Federal Advisory Committee Act**.

11
12
13 **II. Establishment of a Quorum (8 needed)**

14 **a. Roll Call**

15 Ms. Novak conducted roll call as the members arrived. Ten members were present at
16 the meeting, which comprised a quorum for conducting business.

17 **b. Excused Absences**

18 Mr. Worth and Mr. Bishop, Co-DDFOs, had previously approved excused absences for
19 Ms. Jacquelyn Gutierrez, Mr. Gerry Maestas, and Ms. Nicole Castellano.

20
21
22 **III. Welcome and Introductions**

23 Mr. Phelps welcomed everyone to the meeting. He stated his appreciation for
24 everyone's attendance. Mr. Phelps asked for introductions from the members and guests in
25 attendance.

26
27
28 **IV. Approval of Agenda**

29 The board reviewed the July 27, 2011 CAB meeting agenda. Mr. Phelps called for any
30 comments or additions to the agenda. The board would hear a presentation by Dave McInroy
31 on the Las Conchas Fire. The board would also consider four draft recommendations for
32 submittal to DOE.

33 **Mr. Gallegos moved to approve the agenda as amended and Mr. Pacheco seconded**
34 **the motion. The meeting agenda was approved.**

35
36
37 **V. Approval of Minutes of May 12, 2011**

38 The board reviewed the minutes from the May 12, 2011 CAB meeting. By ongoing
39 instructions from DOE Headquarters, the minutes were previously reviewed and certified by the
40 NNMCAB Chair, Mr. Ralph Phelps. Mr. Phelps stated that the May minutes were included in the
41 board packets and presented at this meeting for board approval.

42 **Mr. Gallegos moved to approve the minutes as presented. Ms. Shaw seconded the**
43 **motion. The minutes were unanimously approved.**

1
2 **VI. Public Comment Period**

3 No one signed up for the first public comment period.
4

5
6 **VII. Old Business**

7 **a. Written Reports**

8 **➤ NNMCAB Chair's Report**

9 A printed copy of the Chair's Report was included in the meeting packet and a copy may
10 be obtained by request from the CAB office at (505) 989-1662. Mr. Phelps asked for questions
11 or comments on the written reports; the intent was for the reports to be submitted in writing
12 but questions could be brought up in this section or later. Mr. Phelps briefly reviewed the main
13 points in the Chair's report:
14

15 **1. Routine Chair Activities since last NNMCAB meeting on May 12, 2011**

- 16 a. Executive Committee met on June 8, 2011 (Chair on vacation; attended
17 and reported on by Vice Chair, Robert Gallegos):
- 18 • Spent time discussing findings of the Risk Analysis,
19 Communication, Evaluation, and Reduction (RACER) database
20 audit. Los Alamos National Laboratory (LANL) received a Notice Of
21 Violation (NOV) from the New Mexico Environment Department
22 (NMED) on this issue.
 - 23 • In preparation for the afternoon committee meeting, reviewed
24 and discussed three draft recommendations (RACER, transuranic
25 waste [TRU] shipments, and Greater Than Class C [GTCC] waste
26 DOE).
 - 27 • Discussed nominating committee assignments and timeframes.
 - 28 • DDFOs provided updates to:
 - 29 ○ CAB office move and reading room
 - 30 ○ Corrective Measure Evaluations (CMEs) for H, G, and L
 - 31 ○ Consent Order discussion with NMED
 - 32 • Executive Committee met on July 20, 2011.

33 b. Supported the Waste Management (WM)/Environmental Monitoring,
34 Surveillance, and Remediation (EMSR) Joint Committee meetings on June 8,
35 2011 (Vice Chair) and July 20, 2011. Details are in the committee meeting
36 minutes. The main activities from the June 8, 2011 meeting were discussing
37 recommendations, the Ad Hoc Committee on officer elections, interest in giving
38 a WM 2012 paper, and a presentation by LANL's Phil Fresquez on Wildlife
39 Studies.

40 **2. SSAB Related Chair Activities since last NNMCAB meeting on March 30, 2011:**

- 41 a. The Site-Specific Advisory Board (SSAB) Chairs Meeting at the Nevada
42 Nuclear Security Site (NNSS) (formerly Nevada Test Site (NTS) was held June 14-
43 16, 2011 in Las Vegas, NV. Highlights were a tour of the NNSS, a discussion of
44 the site specific priorities, and discussion of two Chair's proposed

1 recommendations to DOE, which require approval by each CAB. Trip report and
2 presentation slides link are available on the CAB website.

3 **3. Other Related Chair Activities**

4 a. On June 22, 2011, the NNMCAB sponsored a Water Quality Forum in
5 cooperation with LANL personnel at Santa Fe Community College. Videotaped
6 copies of the forum will be made available for member and public viewing.

7 b. Chair and Vice Chair addressed the New Mexico State Radioactive and
8 Hazardous Waste Interim Legislative Committee on July 18, 2011. Committee
9 members expressed interest in the volunteer status of the NNMCAB,
10 membership, GTCC position, RACER draft recommendation, and some of the
11 CAB's successful activities.
12

13 **➤ NNMCAB Executive Director's Report**

14 A printed copy of Ms. Santistevan's report was included in the meeting packet and a
15 copy may be obtained by request from the CAB office at (505) 989-1662. Ms. Santistevan's
16 report included:
17

18 1. Board Membership Update:

19 The NNMCAB is currently comprised of 15 members, eight of whom are up for
20 reappointment in November: Nicole Castellano, Lawrence Garcia, Jacquelyn Gutierrez,
21 Lawrence Longacre, Caroline Mason, Manuel Pacheco, Carlos Valdez, and Robert
22 Villarrael. Two other nominees were included in the nomination package and we hope
23 to make site appointments for Mayor Lucero's nominees. The updated CAB Directory
24 was included in meeting packets; members were asked to be sure that their contact
25 information was correct.

26 2. Executive Committee Meetings:

27 The committee met on June 8 2011, and July 20, 2011. The committee heard
28 reports from the Chair, Committee Chairs, Co-DDFOs, and Executive Director. The
29 committee finalized the agenda for this meeting and discussed draft recommendations
30 for future CAB consideration as well as the NNMCAB office move and the reorganization
31 of DOE.

32 3. Board Meeting Preparations:

33 Ms. Santistevan prepared and submitted agendas for this meeting and the notice
34 to **The Federal Register**, in compliance with **The Federal Advisory Committee Act**.

35 Meeting materials were copied and collated by Ms. Roybal and meeting packets
36 were mailed out on July 21, 2011.

37 Advertisements for the meeting were placed in *The Los Alamos Monitor* and *The*
38 *Albuquerque Journal* by Ms. Roybal and on the NNMCAB website by Ms. Novak.

39 4. EM Site-Specific Advisory Board Chairs' Meeting:

40 Ms. Santistevan and Mr. Phelps served on the planning committee for the spring
41 meeting of the Environmental Management (EM) SSAB Chairs in Las Vegas. Ms.
42 Santistevan also attended the Federal/Administrator staff meeting following the Chairs'
43 meeting. This meeting included a half-day workshop on the Federal Advisory
44 Committee Act and the requirements for advertisement of meetings and transparency

1 in all deliberations of the CAB.

2 5. Summer NNMCAB Newsletter:

3 Ms. Novak prepared the NNMCAB's summer newsletter. She and Ms. Roybal
4 prepared approximately 300 copies for distribution.

5 6. Public Outreach:

6 The NNMCAB sponsored a public forum on Surface and Ground Water at LANL
7 on June 22, 2011 at Santa Fe Community College. Highlights included a poster session
8 with DOE Oversight Bureau, Concerned Citizens for Nuclear Safety (CCNS), NNMCAB,
9 and LANL; presentations by LANL subject matter experts; and comments from DOE. The
10 panel included representatives from DOE, the Environmental Protection Agency (EPA),
11 NMED, LANL, and the counties of Los Alamos and Santa Fe. Approximately 65
12 individuals attended.

13 Mr. Phelps, Mr. Gallegos, and Ms. Santistevan attended the Legislative Interim
14 Committee on Radioactive and Hazardous Waste meeting on July 18, 2011 at the State
15 Capitol. Mr. Phelps and Mr. Gallegos presented on the mission and scope of the
16 NNMCAB.

17 7. Facilitator Training:

18 Ms. Santistevan completed Advanced Facilitator Training at the Leadership
19 Strategies Institute in Atlanta and will submit her application for certification. She is
20 now available to assist DOE's Los Alamos Site Office (LASO) with facilitator services.

21 8. Office Management:

22 Office space in Pojoaque has been identified for the new NNMCAB office and
23 LANL reading room. Ms. Roybal and Ms. Santistevan have been working on cost
24 projections. Staff supported all committee meetings, website updates. Members were
25 reminded to refer to the website for questions on meeting dates, recommendations,
26 etc. at www.nnmcab.energy.org.

28 Mr. Valdez asked about the legislative hearing presentation. Mr. Phelps said the
29 meeting schedule was accelerated and the committee appeared to be open and interested.
30 Slides were folded into their library of outreach materials on CAB direction and how the
31 membership was set up, and there was a lot of interest and questions from the committee on
32 GTTC waste, Area G TRU, membership setup, and budget. He asked Mr. Gallegos to add. Mr.
33 Gallegos said they let the Hazardous Waste Interim Committee know we would be traveling to
34 the Waste Isolation Pilot Plant (WIPP) site. Jim Hall, former Los Alamos County Council, wanted
35 some follow-up of the RACER recommendation from the CAB. Mr. Gallegos stated this was
36 really a good introduction to the CAB. The CAB has presented to the Legislature, but it was the
37 legislative finance committee regarding the budget. Mr. Phelps thanked Ms. Santistevan for
38 arranging this.

40 Ms. Santistevan was asked if Espanola Mayor Alice Lucero had submitted names of prospective
41 members and how that was going. Ms. Santistevan stated that Mayor Lucero had nominated
42 two persons from Espanola to serve on the NNMCAB. Ms. Santistevan will finalize and follow
43 up on that action with the mayor.
44

1
2 ➤ **Items from NNMCAB Members – Open Forum for the CAB Members**

3 CAB members were asked to work with their committees to make sure the work plans
4 are in good shape and they are comfortable with them. Ms. Novak mentioned that the
5 committee has worked with the Fiscal Year (FY)12 work plan drafts.
6

7 Mr. Gallegos said the committee meeting last week was very good and Mr. Pacheco was
8 good at chairing. They did work on the work plans and it was a good meeting.
9

10 Ms. Novak announced that she has given notice and is leaving. She was given a very nice
11 plaque. She said that the board is very close to her heart and offered to help in the transition.
12

13 Mr. Bishop stated that Dr. Ines Triay resigned as EM-1 due to personal reasons. She is
14 transitioning to Florida, staying in a government role, and may come back in the future.
15

16 Tom D'Agastino moved to EM-1. Congress wants the National Nuclear Security Agency
17 (NNSA) and EM to remain separate. Tom is acting within, and a deputy will come on board,
18 after which there will be some changes. EM and NNSA will remain separate. This will not affect
19 the CAB. This may be an opportunity for the CAB to extend its mission more into long-term
20 stewardship.
21

22 Mr. Villarrael mentioned that he wrote an email on forest fires and Mr. Bishop had a
23 good suggestion to look at fire prevention as long-term stewardship. He thinks that is a good
24 idea; on the other hand, it seems to be a stretch, and Mr. Villarrael wants to know what could
25 be done with that. Mr. Phelps opened up the floor.
26

27 Ms. Shaw wants to clarify whether we add forest fire awareness as waste disposal long-
28 term management. Mr. Villarrael said we used to have a forest, but no longer – now it is a
29 scattered forest. This fire has affected everything that has been done, including wildlife. It will
30 impact on managing their legacy of what is done in the laboratory regarding clean-up. It is hard
31 to grasp what impact it will have. It is hard to quantify. This will go on and he wonders what
32 the board has to say about it.
33

34 Ms. Shaw said proclivity to fires and even volcanic eruptions, Mother Nature's impact,
35 must be considered in regard to waste management and remediation. Mr. Villarrael asked, do
36 we think there should be some new methodologies in the way we respond to forest fires? He
37 said to have 160,000 acres just destroyed is a true tragedy. He is at odds as to what the board
38 should do to respond to this. He thinks funding has an impact, as it could have been prevented.
39

40 Mr. Gallegos said this could be under our scope in terms of long-term stewardship. He
41 is concerned with the watershed for the city and the county, and this is something they could
42 be involved in. Ultimately the canyons will have to be protected. There is waste in the
43 canyons, and damage to the canyons could make the waste move.
44

1 Mr. Bishop was asked as the DDFO, if there is some way we can do this within the CAB's
2 scope of work. He talked about National Environmental Policy Act (NEPA) work in which he is
3 involved with George Rael.

4
5 Mr. Bishop continued: emergency response comes first, but then comes the
6 documentation process. The forest service took serious action to prevent the forest fire. This
7 was done without an Environmental Impact Statement (EIS) because of an emergency situation.
8 The emergency plan was based on a mitigation plan. They are currently drafting a letter to
9 NMED to outline the actions they are taking. The public will be able to give comments in the
10 special environmental analysis—so yes, they could add Mr. Villarrael's comments to a
11 mitigation action plan—this is what Mr. Villarrael is looking for. Mr. Villarrael thought the
12 response was slow—in a dry climate the response should be much faster, within 2 hours, and
13 he listened carefully to the person who was involved in the beginnings of the fire and he said
14 quicker response could have prevented this terrible fire. Mr. Villarrael said a lookout tower
15 would have prevented 160,000 acres from being burned up. It takes money to have lookout
16 station and guard but much less loss than 160,000 acres. Certainly he thought there could have
17 been a much better response in terms of heliports, towers (see his long email).

18
19 Mr. Villarrael worked on forest fires for 9 years and thinks this preventative approach is
20 possible, and he talked about ways to prepare and improve this process. Time from smoke
21 detection to first response is critical!

22
23 Mr. Pacheco and his father both fought fires, his father long-term and he for 3 seasons.
24 What is the mechanism that triggers response? What Mr. Villarrael said hit home; he supports
25 Mr. Villarrael's opinion of the response to the fire.

26
27 Ms. Shaw thinks trees may have to be stepped on. She was 15 years in electric utilities;
28 trees caused problems with the lines and now there is an ordinance to keep the trees away
29 from the lines.

30
31 Mr. Phelps brought the discussion to a close, adding that he thinks there is a way to
32 bring this to the CAB formally, possibly drafting a recommendation.

33
34 Mr. Bishop said they will pass along the special environmental assessment and give a
35 presentation to the CAB in the fall.

36
37 Mr. Garcia asked for the regulations on the jurisdiction on properties. How is the
38 jurisdiction of the properties, and how does that come into play? Mr. Phelps said we must
39 approach this through the mission of the SSAB.

40
41 Burnt Area Emergency Recovery (BAER) team: Mr. Bishop and Mr. Worth are on this
42 team.

1 **VIII. New Business**

2 **a. Report on Semi-Annual Chairs' Meeting**

3 Mr. Phelps reported, going over the great response to the SSAB meeting in Mr.
4 Gallegos's and Mr. Valdez's reports. Mr. Phelps and Ms. Santistevan also attended. Mr.
5 Garcia said it seemed to all come down to funding.

6
7 Mr. Valdez stated that the tour of the NNSS was awesome. They saw many
8 things, and 93 900 nuclear tests were completed. The SSABs got to see this. He
9 explained that the water table is closer and many of the tests were conducted
10 underground (refer to Mr. Valdez's report). He thought that they did not see "massive"
11 contamination" in the groundwater. Rev. Gilchrist asked, how much distance is there
12 from groundwater contamination and the area? Mr. Valdez said that the NNSS is so
13 large it could possibly encompass all the other sites combined.

14
15 Mr. Bishop talked about the possibility of more waste going to Nevada.
16 Explosions from testing like craters could be used for waste storage. He said there are
17 several aquifers. Tritium was and is one of their main problems.

18
19 Mr. Phelps said the next meeting will be a video conference meeting October
20 20th. This might be more of an opportunity for members to participate. Mr. Bishop can
21 set up the meeting at the LASO office with 5 CAB members and staff.

22
23 **b. Consideration and Action on Products from Chairs' Meeting**

24 Mr. Phelps reviewed the Chairs' Meeting Products. The rules are that the
25 recommendations can't be amended. They can only be voted on, up or down. The
26 products were open for discussion.

27
28 • **Asset Retention**

29 Mr. Gallegos talked about asset retention. Example: Nevada has a rocket
30 for a museum; other sites wanted their sites included in the historic
31 register.

32
33 Mr. Valdez talked about the tests and what was brought in to measure –
34 railroad tracks, trees – and some of these items may still have value to
35 the community. It was discussed how a federal agency would turn over a
36 train? This related to the authorizing of funds to transport some of these
37 items. The first step would be making a list of what is beneficial.

38
39 Mr. Bishop mentioned government property regulations. There are
40 regulations that come into play here. It's up to the board to vote. How
41 does the government determine who gets the assets? Mr. Bishop said
42 museums can compete to get them.

43

1 Mr. Phelps said these SSAB recommendations try to stay somewhat
2 generic.

3
4 **Vote on Asset Protection: Passed, all in favor.**

- 5
6 • **Using Rail Transport for Moving Waste**

7
8 **Vote on Using Rail Transport for Moving Waste: Passed, all in favor.**

- 9
10 • **Authorizing Funds for Movement of Historic/Cultural Artifacts**

11 Mr. Valdez said we are giving away assets that are on a fixed assets
12 inventory and using taxpayer dollars to move something that will benefit
13 others. He thinks they should pay for the item. The issue went forward
14 as approved.

15
16 Mr. Pacheco offered a rebuttal regarding in-kind services as an economic
17 opportunity. Mr. Valdez asked, what about the cradle to grave theory?
18 Mr. Bishop answered with an example about excess paint donated to a
19 sovereign nation. It leaked and caused a solvent contamination, for
20 which the DOE was responsible for coming back in and cleaning up. The
21 DOE is not absolved from liability.

22
23 **Vote on Authorizing Funds for Movement of Historic/Cultural Artifacts:**
24 **Passed, 10 in favor, 1 opposed.**

25
26 **c. Report from Nominating Committee (Section V, F. of NNM CAB Bylaws)**

27 Ms. Shaw provided the report. An email requesting nomination went out in July,
28 and she will re-send it to the staff to forward, asking everyone to make a nomination for
29 chair and vice-chair via telephone or email. Responses will be anonymous. Election will
30 be on September 28, 2011.

31
32 Ms. Santistevan stated the CAB bylaws require a report at this meeting, "the
33 meeting before the September meeting." Ms. Shaw will go around at the break and will
34 report after the break.

35
36 **d. Items from NNM CAB Members**

37 Mr. Valdez asked, how did we get that generator donated to a hospital? Mr.
38 Bishop said they screened that through the federal agencies first. Yucca Mountain
39 donated to schools in Nevada. There are regulations; the equipment was screened for
40 radioactivity. Yes, it does cost, but to sell it to a company with a Nuclear Regulatory
41 Commission (NRC) license, they bear the cost.

1 Mr. Phelps mentioned that the executive committee has added to its ongoing
2 agenda on how to handle future recommendations that are made with a split vote.
3 Ideas included minority opinions, or temporary tabling, to strengthen the CAB.
4

5 Discussion:

6 Mr. Garcia has been on jury duty. He said split votes go out for further
7 discussion. Ms. Shaw said we already do this with our draft recommendation process.
8 They effectively hash out the conflicts through the editing process. The draft
9 recommendation process works for us. Ms. Mason thinks minority opinions are
10 important. Ms. Santistevan went over the bylaws. Recommendations pass with a 75%
11 vote; minority reports are attached to the recommendation going to DOE. DOE stresses
12 that unanimity is what to strive for; consensus is the goal.
13

14 It was announced that Michael Graham was scheduled to present an update on
15 the Las Conchas Fire. Dave McInroy will present in his stead.
16

17 Mr. Valdez asked about the NNMCAB office relocation. Mr. Worth mentioned
18 that in the processes of moving an office, getting leases, subcontractor hurdles, they
19 have picked Pojoaque, a space with a large room layout big enough to accommodate 40
20 people. They are looking at an October timeframe for the move to take place.
21

22 Northern New Mexico College in Espanola wanted the LANL Reading Room, but
23 DOE decided that Pojoaque was the choice and they will have a mirror facility to be in
24 Espanola, a kind of compromise. CAB staff will oversee the library. Mr. Worth said that
25 the mirror facility would be in the science wing of Northern New Mexico College.
26

27 Mr. Valdez talked about the site that recruits students, and Mr. Worth said they
28 will pursue this. Ms. Santistevan will see if students can get college credit for serving on
29 the NNMCAB.
30

31 Ms. Mason said that LANL had been fined for not updating RACER. Ms. Bonds
32 Lopez said that some data did not go into RACER on time. They met the letter of the
33 racer, but not the spirit, so this has been fixed.
34

35 DOE reading room in Espanola and Pojoaque: Mr. Garcia asked if this is
36 approved. Mr. Bishop went over the floor plan.
37

38 **IX. Presentation on Las Conchas Fire Update: Presentation by Dave McInroy, Subject**
39 **Matter Expert (See PowerPoint and handout of map, LA-UR-11-11124)**

40 Questions were taken throughout the presentation. Mr. McInroy talked about the
41 reasons for the fire, including dry wind and overgrown forests. He mentioned a nice point of
42 view that cleared trees in some areas will make "park-like" areas.
43

1 People in the emergency operations center were safe. Some surface water sampling
2 locations were damaged.

3
4 Mr. Longacre asked, what lessons were learned from Cerro Grande? Mr. McInroy said
5 he would get into it later, but he stressed multi-agency cooperation with fire protection, forest
6 control, and erosion control. Mr. Longacre said nuclear stuff should be far away from the
7 forest.

8
9 Interagency cooperation at the federal, state, and local levels was stellar.

10
11 He talked about waste nearby at Area G. For the last 10 years, the lab has been clearing
12 lab property, clearing debris, thinning, hauling things out of the canyon system. The lab was all
13 over preemptive fire mitigation.

14
15 Air samples were taken, which showed no lab contamination.

16
17 The Cerro Grande and Las Conchas fires were compared, showing that lessons learned
18 during the Cerro Grande paid off. Multi-agency teams were involved, such as the Interagency
19 Flood Risk Assessment Team (IFRAT) and Risk Assessment Corporation. Mr. McInroy displayed
20 a long list of fire and erosion management actions taken since 2000.

21
22 Watershed damage occurred. Questions were asked about this. Los Alamos wells get
23 water from underground, but Albuquerque and Santa Fe get their water from the Rio Grande,
24 which can be affected by runoff.

25
26 DOE is part of the BAER Team, which includes hydrologists, soils scientists, engineers,
27 biologists, vegetation specialists, and archeologists.

28
29 The top 5 priorities: Safety, Remove risk material, Protect infrastructure, Water quality
30 testing, Information sharing.

31
32 Preventative catchments were cleaned out, rather than seeing storm water runoff push
33 these soils. Mr. McInroy said there will be higher concentrations on contaminants from the
34 fire, but he said it does not incriminate the lab, as typical stuff one sees coming out of forest
35 fires may also include cyanide and chromium.

36
37 Polychlorinated Biphenyls (PCBs) that are in soils or from uptake put dioxin in the soil.
38 The source is from human activity, and this contaminant is ubiquitously in the environment and
39 has been taken up in the soil.

40
41 Buckman Direct Diversion Project and San Ildefonso Pueblo allowed LANL to place an
42 early notification system on tribal land. This allowed helpful real-time data that helped monitor
43 the fire.

1 Summary: Direct impact to LANL was minimal to none.
2

3 Storm water runoff evaluation has been coordinated and is underway, with cooperation
4 with other agencies. Questions were answered.
5

6 BAER has a rain notification system.
7

8
9 **X. Presentation on Waste Isolation Pilot Plant – John Heaton**

10 Mr. Heaton presented on proposed Salt Disposal Investigations with a field scale heater
11 test at WIPP. Highlights included: salt as an ideal disposal medium, a description of the salt
12 disposal investigation testing, and the importance of the testing.
13

14 Mr. Heaton also presented an overview of WIPP. Highlights included: types of waste,
15 features of the site that make it ideal for waste isolation, transportation safety, and shipment
16 and disposal summaries.
17

18 A printed copy of the presentation was included in the meeting packet and a copy may
19 be obtained by request from the CAB office at (505) 989-1662.
20

21
22 Deb Shaw reported on the nominees for CAB Chair and Vice Chair:

23 Preliminary Slate:

24 Chair: Robert Gallegos
25 Vice-Chair: Carlos Valdez
26 Deb Shaw
27 Manuel Pacheco
28 Caroline Mason
29 Lawrence Garcia
30

31 Mr. Longacre said he wanted to see a campaign statement. Mr. Phelps agreed that a
32 brief candidate statement would be recommended. Mr. Phelps declined to be nominated. Mr.
33 Phelps believes the officer positions should be rotated around.
34

35
36 **XI. Public Comment Period**

37 No one signed up for the second opportunity for public comment.
38

39
40 **XII. Consideration and Action on Draft Recommendations to DOE**

41 **a. Draft Recommendation 2011-07**

42 **Mr. Pacheco moved to approve Draft Recommendation 2011-07; Rev. Gilchrist**
43 **seconded the motion.**
44

1 Discussion:

2 The additional funding could go to Los Alamos to increase shipment. Mr. Villarrael
3 wants a reference to the reduction of shipment of TRU from Oak Ridge National Laboratory
4 (ORNL) – Mr. Bishop suggests listing as an example.
5

6 **Mr. Pacheco moved to approve the amended recommendation. Rev. Gilchrist**
7 **seconded the motion. Vote: all in favor; recommendation approved.**
8

9 **b. Draft Recommendation 2011-08**

10 Discussion:

11 The chair called for discussion or a motion. Mr. Villarrael asked if anyone knows what
12 RACER means? Mr. Villarrael and Ms. Mason want the acronym spelled out. Others agreed.
13

14 **Mr. Valdez moved to approve the recommendation. Mr. Pacheco seconded the**
15 **motion as amended. Vote: all in favor; recommendation approved.**
16

17 **c. Draft Recommendation 2011-09**

18 **Mr. Valdez moved to approve the recommendation. Ms. Shaw seconded the motion.**
19 **Vote: all in favor; recommendation approved.**
20

21 Mr. Bishop said the passage of these recommendations is very timely. Mr. Worth will
22 forward them to George Rael, who is at DOE Headquarters. He may have time to discuss them
23 with senior management at Headquarters.
24

25
26 **XIII. Wrap-up Comments**

27 Board members held a brief round-robin discussion. Comments are summarized below:
28

29 Mr. Garcia: Productive meeting.

30 Mr. Gallegos: Thanked Lorelei for her service.

31 Mr. Nick Maestas: Thanked Lorelei.

32 Rev. Gilchrist: Was upset by two-thirds of what Mr. Heaton said.

33 Mr. Valdez: Appreciated the WIPP presentation.

34 Ms. Shaw: Regarding having two reading rooms within a few miles of each other, why spend
35 money for this duplication when college students can go online to use electronic reading room?

36 Ms. Shaw thanked the staff.

37 Ms. Novak: Offered to help with transition.

38 Ms. Santistevan: Thanked Ms. Novak for her work, asked for patience in the transition.

39 November 7-8 WIPP tour will be a two-day overnight trip. Combined committee meeting
40 August 10 at Cities of Gold Hotel. September meeting to be held in Taos. Thanked Eddie and
41 Grace Roybal. Thanked everyone. Board is developing!

42 Mr. Pacheco: Great meeting. Ms. Novak will be greatly missed. Food was great.

43 Ms. Mason: Thanked Ms. Novak for working with her on her poster and new programs.

1 Mr. Loya: Personally thanked Ms. Novak, said she is a good person. Liked the WIPP
2 presentation. Wants us to press ahead on moving the waste, even accepting new types of
3 waste.

4 Mr. Villarrael: Passed.

5 Mr. Phelps: Thanked to everyone. See you in Taos in a couple of months.
6

7
8 **XIV. Adjournment**

9 **With no further business to discuss, Mr. Bishop, Co-DDFO, adjourned the meeting at**
10 **7:00 p.m.**

11
12 **Respectfully submitted as a draft for review,**



13
14 **Ralph Phelps, Chair, NNMCAB**

15
16 ****Minutes prepared by Karen Erickson, NNMCAB Technical Writer***
17

18 **Attachments:**

- 19 1. **Final 7-27-11 CAB Meeting Agenda.**
- 20 2. **Report from Ralph Phelps, Chair, NNMCAB.**
- 21 3. **Report from Menice Santistevan, Executive Director.**
- 22 4. **Report from Robert Gallegos, NNMCAB.**
- 23 5. **Report from Carlos Valdez, NNMCAB.**
- 24 6. **PowerPoint Presentation, "Las Conchas Fire Runoff Mitigation at Los Alamos National**
25 **Laboratory," LA-UR-11-11124, presented by Dave McInroy, Program Director, Corrective**
26 **Actions Program, LANL.**
- 27 7. **Map, Las Conchas Fire Burn Severity, July 18, 2011.**
- 28 8. **PowerPoint Presentation, "Salt Disposal Investigations," presented by John Heaton.**
- 29 9. **PowerPoint Presentation, "WIPP Overview," presented by John Heaton.**
- 30 10. **NNMCAB Recommendation 2011-07, "Maximum Utilization of WIPP by Increasing MDA G**
31 **TRU Shipments."**
- 32 11. **NNMCAB Recommendation 2011-08, "Restore Confidence in the RACER Database."**
- 33 12. **NNMCAB Recommendation 2011-09, "New Urgency for Increased TRU Shipments from**
34 **MDA G."**
- 35 13. **EM-SSAB Recommendation on Asset Retention.**
- 36 14. **EM-SSAB Recommendation on Authorizing Funds for Movement of Historical/Cultural**
37 **Artifacts.**
- 38 15. **EM-SSAB Recommendation on Using Rail Transport for Moving Waste.**
39

40
41 **Public Notice:**

- 1  *All NNMCAB meetings are recorded. Audiotapes have been placed on file for review at
2 the NNMCAB Office, 1660 Old Pecos Trail, Suite B, Santa Fe, New Mexico, 87505.
3  *Reference documents listed in the Appendix section of these minutes may be requested
4 for review at the CAB office in Santa Fe. (505) 989-1662.
5
-

REPORT FROM THE CHAIR

NORTHERN NEW MEXICO CITIZENS ADVISORY BOARD

28 SEPTEMBER 2011 BOARD MEETING

TAOS, NEW MEXICO

1. Routine Chair Activities since last NNM CAB meeting on 7-27-11:

a. Executive Committee meeting on 8-10-11:

1. The committee spent some time discussing revised goals for membership targets and for directional objectives for the entire CAB. The Excom members all agreed to an initiative to increase the membership closer to the authorized limit of 27, and to provide for better educational opportunities for the new members. The Chair summarized this discussion into a CAB Initiative White Paper, which was e-mailed to all CAB members for review and comment. (Only response has been from GM). The Initiative paper is attached to this report.
2. Set timing of WIPP tour for November 7-8, 2011. Nineteen members and guests are signed up.
3. Requested candidate statements for 2012 new officers.
4. Approved agenda for the 9-28-11 CAB meeting in Taos.

b. Executive Committee meeting on 9-14-2011:

1. The initiative to bring the CAB membership up to allowed limits with an objective to increase community access to information and education thru interaction with CAB members was approved by Excom. This will be reported at the 9-28-11 CAB meeting.
2. Top 3 issues were reviewed for the Oct 20, 2011 Chairs videoconference and a few changes were recommended for review at the 9-28-11 CAB meeting.
3. CAB office relocation to Pojaque is expected to be late Oct – early Nov, 2011.
4. Approved the final agenda for the 9-28-11 CAB meeting.
5. Approved the 2012 CAB meeting locations and dates.

c. Supported the WM/EMSR Joint Committee meeting on 8-10-2011. Details are in the committee meeting minutes. The main activities from the 8-10-11 meeting were discussing work plans, interest in member attendance at conferences and a presentation by LANL's three EM interns on the 2010 Environmental Surveillance Report. This was very well done, and the CAB members had lots of good feedback on technique.

2. SSAB Related Chair Activities since last NNM CAB meeting on 7-27-11:

- a. There is a Chair's Quarterly conference call scheduled on 9-19-11. These calls provide DOE/EM senior staff briefings on budget, waste disposition, EMAB and Chair local board updates. We will also discuss the agenda for the SSAB Chairs video conference on October 20, 2011.

3. Other Related Chair Activities

- a. The Chair and Vice Chair were invited to meet on 9-14-2011 with Ms Michelle Jacquez-Ortiz from Senator Tom Udall's staff to discuss items of importance to the NNM CAB membership in 2011-2012. The meeting, held at the CAB offices, provided for renewed contacts with the Senator's staff. We reviewed the CAB priorities and also key recommendations and stressed the importance of funding to meet Consent Order goals. Ms Ortiz noted areas of concern to their office on RACER data and on communication of monitoring stations damaged in the post-fire flooding. She indicated the CAB could be helpful thru recommendations in these areas. Menice agreed to provide her with previous CAB recommendations in these areas. The meeting was a success, and we expect to see Ms. Ortiz at future CAB meetings.
- b. The Chair was invited to participate in the annual Federal Facility Cleanup Dialog meeting hosted by EPA in Washington, DC on September 21-22, 2011. A summary of this dialog meeting will be provided at the 9-28-11 CAB meeting, followed by a separate report.

Submitted by:

Ralph Phelps

Chair, NNM CAB

9-15-2011

FROM AUGUST 10, 2011 EX-COM MEETING DISCUSSION

REGARDING THE NUMBER OF MEMBERS ON THE CAB

BACKGROUND

Pursuant to a suggestion from one of the CAB members (Gerry), the Ex-com (full membership, Chair, Vice chair, WM and EMSR Committees Chairs and vice Chairs, and member Cas Mason, along with the Co DDFOs and Executive Director) discussed the pros and cons of having the CAB membership at the full authorized level in the Charter (27).

Membership numbers was not the only issue discussed; it became evident that membership was interrelated with how best to approach the mission of CAB, and how to balance a knowledge focus on knowledge, outreach and speaking engagements with an advice focus. The Mission under our Charter requires both advice to DOE in the form of recommendations, and community access to information and education to improve the quality of the decision-making process of DOE and LANL.

There was unanimous agreement that getting accurate information from the experts to the CAB members is important, and that the more CAB members who become informed the better, since this is a pathway into the community. This is true even for member turnovers, who have had the opportunity to learn facts from experts.

Diversity in the CAB membership is essential to meet FACA requirements, so increasing membership to 27 will require a significant recruiting effort. In addition, we will have to closely monitor quorum requirements at meetings.

There was also agreement that with increased membership, and knowledge, we should formalize a strong speakers guild, with renewed efforts to present to various community groups, not just CAB membership values, but also expand into messages conveying accurate facts regarding LANL and DOE recommendations and projects. This could be done with LANL expert help.

The CAB must continue to use our knowledge gained from both LANL experts and from community interactions to make effective, timely and useful recommendations to DOE.

INITIATIVE

1. Bring the NNM CAB membership up to the full 27 allowed in our Bylaws by May 2012.
2. Focus on defining a schedule for presentations targeted to enhance member knowledge of facts associated with MDAs, monitoring, waste disposition, ground and surface water, etc

3. Presentations should incorporate diverse perspectives, from LANL, DOE HQ, regulators, and involved environmental groups with focus on facts.
4. Consider going to combined meetings of WM and EMSR to optimize presentations.
5. Encourage a Speakers Guild function composed of all CAB members.
 - a. Identify opportunities, ie, League of Women Voters, Kiwanis, local boards and schools, church groups, etc for presentations.
 - b. Target issues in addition to CAB membership
 - c. Cooperate with others, ie, LANL in this work
 - d. Set goals for these interactions.

ACTIONS

1. Define best way to implement the initiative (direction by Excom, vote of CAB?) --- Excom lead, by 9-14-11
2. Ensure 2012 budget for CAB supports 27 members ---- DDFO lead by 9-14-11
3. Begin recruitment drive — Menice by 9-1-11 thru 5-1-12
4. Develop schedule of presentations ---- WM, EMSR Chairs, DDFOs by 10-1-11
4. Decide on combined WM, EMSR meetings ---- Chairs by 9-14-11
5. Formalize the operating procedures for the Speakers Guild --- Chairs, Menice by 10-1-11

**Northern New Mexico Citizens' Advisory Board
Executive Director's Report
September 28th, 2011**

Board Membership: The NNM CAB is currently comprised of 15 members. Eight current members are up for reappointment in November: Nicole Castellano, Lawrence Garcia, Jacquelyn Gutierrez, Lawrence Longacre, Caroline Mason, Manuel Pacheco, Carlos Valdez and Robert Villarreal have agreed to serve a second term, if reappointed. Two other nominees were also included in the nomination package to Headquarters and we hope to make site appointments for Mayor Lucero's nominees and for another applicant. The DDFO's and I have interviewed these individuals. There is an updated CAB Directory in your packet; please be sure that your contact information is current.

Executive Committee Meetings: The Committee met on August 10th and on Sept. 14th. The committee heard reports from the Chair and Vice-Chair, Committee Chairs, Co-DDFOs and Executive Director. The committee finalized the agenda for this meeting and discussed draft recommendations for future CAB consideration as well as the NNM CAB office move. The Executive Committee also discussed the basis of the NNM CAB Initiative, which would increase NNM CAB membership to 27 and would focus on more Speakers' Bureau presentations and outreach.

Board Meeting Preparations: I prepared the Final Agenda for the Sept. 28th Board Meeting and submitted the notice to *The Federal Register* on August 12th in compliance with the Federal Advisory Committee Act. I made all arrangements at the Sagebrush Inn and Conference Center. I also coordinated with the meeting presenter, Tom Longo. All meeting materials were copied and collated by Grace Roybal and meeting packets were mailed out on Sept. 22nd. An advertisement for the meeting was placed in *The Taos News* by Grace Roybal and on the NNM CAB website.

EM Site-Specific Advisory Board Chairs' Meeting (VTC meeting on Oct. 20th): In lieu of a Fall Chairs' meeting this year, a video conference will be held on Oct. 20th at the Los Alamos Site Office. Acting EM-1, David Huizenga is scheduled to speak, along with Joann Luczak giving a budget presentation, Frank Marcinowski giving a Technical and Regulatory Support update and Marty Letourneau will give a Waste Management Update. Each site will present its "Top Three Issues and Accomplishment". The Spring Chairs' meeting is scheduled in April and will be hosted by the Paducah CAB.

Outreach: With the initiative of recruiting up to 9 additional board members, I will be very busy recruiting applicants around northern New Mexico. I would like to especially concentrate on recruiting members from the surrounding pueblos and young people from our local colleges and universities. If you know of anyone who might be interested, I would appreciate your help in recruiting that person.

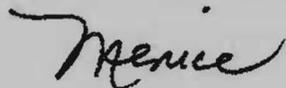
WIPP Tour: The tour of the WIPP Site has been scheduled. The bus will leave from Santa Fe early on Nov. 7th and the tour of the site will take place the morning of Nov. 8th; the bus will return to Santa Fe that evening.

Office Management: Office space in Pojoaque has been identified for the NNM CAB office and LANL Reading Room. Grace Roybal and I have been assisting with projected costs for utilities, office equipment, etc. The office is scheduled to move in November. The staff supported all committee meetings with preparation of notices, agendas and committee minutes.

Karen Erickson has been hired to assist with NNM CAB support. She will be preparing meeting minutes, updating the NNM CAB website and preparing NNM CAB Newsletters and the Annual Report. She may be reached at: Karen.Erickson@nnsa.doe.gov or at 505-988-1749.

Next Board Meeting: November 30th, 2011
Ohkay Owingeh Conference Center
Ohkay Owingeh Pueblo

Respectfully submitted,

A handwritten signature in cursive script that reads "Menice".

Menice B. Santistevan
Executive Director

**Northern New Mexico Citizens' Advisory Board (NNMCAB)
ENVIRONMENTAL MONITORING, REMEDIATION AND
SURVEILLANCE COMMITTEE
2012 Work Plan**

SECTION I. MISSION STATEMENT

The Northern New Mexico Citizens Advisory Board's (NNMCAB) Environmental Monitoring, Surveillance and Remediation (EMSR)(Committee provides a citizen's perspective to the Department of Energy (DOE) on current and future environmental remediation activities resulting from historical Los Alamos National Laboratory (LANL) operations. The EMSR Committee will keep abreast of DOE and LANL's Environmental Restoration and Long Term Environmental Stewardship programs and plans. The committee will work with DOE and LANL to provide assistance in determining priorities and the best use of limited funds and time. Formal recommendations will be created when needed, and after approval, sent to the DOE for action representing the NNMCAB's position on issues pertaining to groundwater, surface water and compliance with the New Mexico Environment Depart (NMED) Order on Consent. The EMSR committee will also work to ensure early, ongoing community access to LANL Environmental Remediation and Stewardship information and to increase community dialogue that improves the quality of the decision making process of DOE and LANL.

SECTION II. Action Items

1. Groundwater

- a. Technical Area-54 (TA-54)
- b. Technical Area-21 (TA-21)
- c. Riparian Systems- investigate appropriate native species
- d. Follow up on new wells
- e. Integration of wells and comprehensive water plan
- f. Buckman Area Investigations

2. Surface Water- Sediment Transport and Stormwater

- a. Pueblo Canyon
- b. EPA Storm Water Permit

- c. Sediment Containment Projects
 - d. Buckman Diversion Project
 - e. Riparian Systems- investigate appropriate native species
 - f. Chromium
- 3. Consent Order**
- a. Integrated Schedule from DOE/LANS- attach schedule
- 4. Misc. Action Items:**
- a. Consider priorities for FY'12 Budget
 - b. Review important documents/dates for deliverables which are due in FY'11
- 5. Ongoing Priorities:**
- a. Study possible contaminant pathways for the MDAs, i.e. erosion, windstorms and waterborne pathways.
 - b. Long term stewardship plans, use of restored lands, e.g., energy parks, commercial and residential considerations. Future funding availability will be a major factor in defining priorities.
 - c. Support Community Outreach opportunities.
 - d. Respond to new situations as they arise.
 - e. Corrective Measures Evaluations
 - f. Las Conchas Fire Erosion Issues
- 6. Mid Year Review of Work Plan- (March time frame)**
-

**Northern New Mexico Citizens' Advisory Board (NNMCAB)
WASTE MANAGEMENT COMMITTEE
2012 Work Plan**

SECTION I. MISSION STATEMENT

The Northern New Mexico Citizens' Advisory Board (NNMCAB) Waste Management (WM) Committee reviews policies, practices and procedures, existing and proposed so as to provide recommendations, advice, suggestions and opinions to the US Department of Energy (DOE), regarding the Waste Management Operations of the Los Alamos National Laboratory (LANL). The committee also facilitates community awareness and access to LANL waste management practices and procedures.

SECTION II. Action Items

- 1. Closely monitor the remediation activities at Technical Area-21 (TA-21) and be in a position to make recommendations from a public standpoint.**

Specific issues include:

- a. Disposal and transportation of waste generated in the operation
- b. Determine the nature and degree of Tritium contamination.
- c. Examine potential for Energy Park
- d. Transition to TA-21 to base program
- e. MDA-T
- f. Long term Stewardship

- 2. Technical Area-54 (TA-54) Remediation.**

It is incumbent upon the WM Committee to become thoroughly familiar with the Corrective Measures Evaluations (CMEs) as they develop in order to make informed recommendations.

Specific issues include:

- a. Disposal of above-ground stored waste, e.g., Transuranic (TRU) and High Level Waste (HLW). It is well underway but CAB should continue to monitor
- b. Subsurface remediation in the event that buried waste is left in place

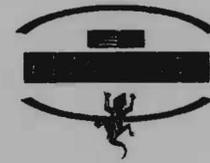
- c. Recurring request for each meeting, brief update on the Corrective Measures Evaluations (CMEs)
 - d. Monitor path forward for 33 Shafts of High Level Waste (HLW)
 - e. Low Level waste disposal after closure of Area G
 - f. Transportation issues are and will be major factors in future low level waste disposition decisions
 - g. Look at onsite versus offsite option for waste disposal
- 3. Continue with Priority #1 from FY'10, i.e. options evaluation employing risk/benefit principles.**
- a. It is essential that remediation options be presented in detail to the CAB. It is also valuable to have LANL updates on groundwater data acquisition, analysis and the overall monitoring system. This effort should be in conjunction with the EMSR Committee.
- 4. Technical Area-49 (Remediation)**
Specific issues include:
- a. Inventory of all Pu present, including isotopes
 - b. Possible pathways for migration of Pu
 - c. Extent of contamination
- 5. Consider priorities for FY'12 Budget.**
- 6. Consent Order Deliverables**
- a. Integrated Schedule from DOE/LANS- attach schedule
- 7. Ongoing Priorities:**
- a. Study possible contaminant pathways for the MDAs, i.e. erosion, windstorms and waterborne pathways
 - b. Long term management plans, use of restored lands, e.g., energy parks, commercial and residential considerations
 - c. Future funding availability will be a major factor in defining priorities
- 8. Support Community Outreach opportunities.**
- 9. Respond to new situations as they arise.**
- 10. Mid Year Review of Work Plan- (March time frame)**
-

Northern New Mexico



- DOE should expedite high priority cleanup work:
 - Complete remediation of TA 21
 - Remove TRU waste from MDA G to support complex wide goal of 90% removal of TRU waste by 2015

Northern New Mexico



- DOE provide funding in FY 2012 and beyond for Los Alamos National Laboratory (LANL) to meet completion of the New Mexico Order on Consent.

Northern New Mexico



- DOE should focus on continued development of an integrated site-wide Surface Water and Groundwater Monitoring Program, to optimize execution of the Consent Order.

Northern New Mexico



- **Accomplishment:** the NNMCAB hosted and sponsored a public forum on “Surface and Groundwater at LANL” on June 22, 2011. The forum included a poster session, presentations and a panel discussion. Approximately 65 members of the public attended.
- **Major Board Activity:** the NNMCAB has approved an initiative to increase board membership to the authorized 27 members; focused presentations; Speaker’s Bureau presentations to civic groups, schools and churches.

Northern New Mexico Citizens' Advisory Board

2012 Board Meeting Schedule

DRAFT

January 25, 2012

**NNMCAB Office
Pojoaque**

March 28, 2012

**Albuquerque
TBD**

May 30, 2012 (Annual Workshop)

**The Lodge
Santa Fe**

July 25, 2012

**Los Alamos
Best Western Hotel
Hilltop House**

September 26, 2012

**Taos
Sagebrush Inn and
Conference Center**

November 28, 2012

**Ohkay Owengeh
(San Juan Pueblo)**

NORTHERN NEW MEXICO CITIZENS' ADVISORY BOARD
Recommendation to the Department of Energy
FIRST DRAFT

No. 2011-06

“Statement that LANL be selected as a Screening Lab for Certain “Greater than Class C Low-Level Radioactive Wastes prior to disposal at the WIPP Repository”

Drafted by the Waste Management (WM) Committee
Primary Author: Robert Villarreal

Background:

This Communication is in response to a request by the Department of Energy (DOE) for review and public comment on the Draft Environmental Impact Statement (EIS) for the Disposal of Greater-than-Class C (GTCC) Low-Level Radioactive Waste (LLRW) and GTCC-Like Wastes according to DOE/EIS-0375-D). The Draft EIS provides information that allows evaluation of the development, operation, and long-term management of a disposal facility for GTCC LLRW and DOE GTCC-Like Wastes.

This Communication supports:

- the intent of the EIS in evaluating inputs of a disposal facility that will efficiently and safely dispose of GTCC-LLRW and GTCC-Like Wastes generated in support of Defense-Related Work;
- innovative disposal of GTCC and GTCC-Like Waste by recognizing the historical and cultural precedents that traditionally favor such actions; and
- DOE in achieving a goal of completing a path forward for these special wastes while conducting experiments that could be vital to U.S. Defense- Related programs.

This consideration supports the permanent geologic disposal of a large portion of the GTCC and GTCC-Like Wastes at the Waste Isolation Pilot Plant (WIPP) because it is a licensed operating facility that has already met all the requirements of regulatory agencies such as the Nuclear Regulatory Agency, Environmental Protection Agency, and many pertinent Safety related agencies. Along with meeting these requirements, WIPP conducted a series of 56 Drum-scale and Liter-scale experiments and tests to establish the actinide chemistry of the major waste types for a worst case scenario of being submerged in two forms of WIPP brine, including some tests conducted at 760 psig. These were five to ten year experiments conducted at Los Alamos National Laboratory under WIPP temperature and conditions with actual waste forms and added radioactive isotopes of Th, U, Np, Pu, and Am and other hazardous elemental compounds. The major valence states of the actinides were determined weekly to monthly to establish the presence/absence and mobility of the higher oxidation states. The higher oxidation states (greater mobility) of the actinides were found not to have long-term stability.

If the selected disposal facility is to meet the opening date of 2018, strong consideration must be given to the large number of permits, tests, experiments and regulatory requirements that are mandatory for a permanent repository with a diversity of radioactive wastes. The savings in time and money to already have the results of these requirements completed are substantial. WIPP has already met all the necessary requirements and has been a highly successful operating facility for many years.

The Draft EIS states that the disposal facility must be capable of receiving wastes in 2018 and that the total volume of early GTCC LLRW and GTCC-Like wastes is described as a pile that when placed on a football field (360 ft length x 160 ft width) would have a height of 7.1 ft. The early wastes would

1 consist of three waste types: (1) activated metals, (2) sealed sources, and (3) other wastes. Activated
2 metals are principally solid structures from decommissioning of nuclear reactors and are a source of
3 stable irradiated metals with known activation and fission product radionuclides with defined radioactive
4 half-lives. This would require less stringency in meeting disposal requirements. Although, in later
5 years, the wastes from advanced design nuclear reactors (fission induced fusion, hyperion, etc.) will
6 present much greater challenges. The same level of stability cannot be assigned to the second and third
7 waste types because these sources will change in time to more advanced technical sources with, perhaps,
8 new and greater levels of radioactivity to meet futuristic national security and defense-related needs
9 including classified sources for detection or IEDs. Whereas, activated metals could be disposed of in
10 borehole facilities, near-surface trenches, or the WIPP, the only facility that would meet the
11 requirements for waste types 2 and 3 would be deep geologic burial as in the WIPP. But even the type 2
12 and 3 wastes designated for deep geologic disposal would need to be screened to assure that pressurized
13 sources, sources with developed explosives, highly toxic or hazardous sources, or highly unstable
14 sources or any of the aforementioned sources that could be used by terrorists as Improvised Explosive
15 Devices (IEDs) or other radiological dispersal devices should not be sent directly to the WIPP but to a
16 screening facility or laboratory with the capability of destroying or neutralizing such sources before final
17 shipment to the WIPP. The screening facility or laboratory would not store or dispose of any source but
18 eventually ship all neutralized sources to the WIPP. LANL has been this type of screening facility as
19 part of the Off-Site Recovery Program for many years. A good case can be made that the WIPP is the
20 only logical operating facility that could handle the anticipated volume of GTCC and GTCC-Like waste
21 without much modification and within the allotted time-frame.

22
23 **Comments and Observations on Historical and Cultural Impacts:**

24 The United States since World War II has depended and funded New Mexicans and New Mexico
25 Laboratories to provide manpower and technical facilities to help in wartime, cold-war and now terror-
26 driven threats to our infrastructure as evidenced by the numerous veterans and survivors from the Bataan
27 Death March, Navajo Code Talkers, and Pacific island invasions. Los Alamos National Laboratory was
28 chosen to develop nuclear weapons to end WW-II, which it did, and continued to use advanced
29 methodologies to protect our troops during the Korean conflict, Vietnam War, Cold War and now
30 Middle East conflicts and terrorist threats. All these wars and conflicts have resulted in nuclear or
31 hazardous wastes that require cleanup of these defense-based wastes. The WIPP located near Carlsbad,
32 New Mexico is another example of a New Mexico based facility that has stepped up to dispose of
33 defense related wastes and its proximity is certainly advantageous to LANL. This country depends on
34 LANL to cleanup defense-related wastes and could eventually be the sole remaining Lab that has the
35 capability to do this cleanup with innovative and advanced technologies. The crux of this
36 recommendation is not to make LANL a storage or disposal facility for GTCC or GTCC-Like wastes but
37 to provide screening, treatment, and neutralization of difficult wastes before shipment to the WIPP or
38 some other licensed repository.

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Recommendations:

No. 1. The NNM CAB recommends that the WIPP repository be the main facility for disposal of GTCC and GTCC-Like wastes because it is an operating facility that has already successfully completed all requirements for such a repository and will eliminate the need for re-doing expensive and time consuming regulatory and testing processes.

No. 2 That a screening facility be established or designated for screening/neutralizing certain waste type 2 and 3 wastes to preclude shutting down the WIPP site every time a hazardous waste form or waste form that does not meet established criteria is unexpectedly or mysteriously received.

No. 3. The EIS has failed to consider what may be the best and most practical option for GTCC waste disposal. The existing demonstration tunnels, shafts and underground rooms at the Yucca Mountain Project site are ideally suited for this class of waste. Such storage is cost effective compared to the current options and would not interfere with any other potential future uses for Yucca Mountain. DOE should add this option to the EIS.

Intent:

The intent of this recommendation is for DOE to designate WIPP as the preferred site for disposal of GTCC and GTCC-Like waste and to establish a screening site for select Waste Type 2 and 3 wastes to prevent unanticipated and intermittent shut down of a main disposal facility, especially for hazardous or unstable futuristic wastes that do not meet established waste criteria.

References:

1. None included in draft as of yet by primary author.



Department of Energy

Washington, DC 20585

September 9, 2011

Mr. Ralph Phelps, Chair
Northern New Mexico Citizens Advisory Board
1660 Old Pecos Trail, Suite-B
Santa Fe, New Mexico 87505



RECEIVED
9/12/11

Dear Mr. Phelps:

Thank you for your August 11, 2011, letter welcoming me as Acting Assistant Secretary for Environmental Management (EM). It is a great honor to return to EM where I spent my early years with the Department of Energy (DOE).

I am aware of how valuable the work of the Environmental Management Site-Specific Advisory Board (EM SSAB) is to the EM program. EM SSAB is DOE's only citizen advisory board and serves as a unique forum for EM to connect and involve members of the public in EM cleanup decisions. Considering my past service and your consistent dedication, we will continue to collaborate on cleanup activities at the sites and ensure that communities remain well informed and involved with EM site-specific issues.

I look forward to continuing the positive, collaborative working relationship EM has had with the EM SSAB on site-specific and national issues.

Sincerely,

A handwritten signature in cursive script, appearing to read "David Huizenga".

David Huizenga
Acting Assistant Secretary for
Environmental Management

