



General



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RECEIVED

March 19, 2014

MAR 20 2014

NMED
Hazardous Waste Bureau

Dear NNM CAB, Liaison, and Student Members:

Enclosed is the information you will need for the NNM CAB meeting scheduled for March 26th at Sandia Resort, Hummingbird Room.

Please note that there will be a networking lunch from noon to 1:00 for all members and presenters. The meeting will adjourn at 5:00 p.m.

You will have an update on the Chromium and Perchlorate Plumes at LANL. Dave McInroy and Danny Katzman will be presenting. Also, a representative from DOE's Carlsbad Field Office will be in attendance to briefly address the recent issues at WIPP.

Chairman Valdez requests that members arrive before 1:00 p.m., so that a quorum may be established promptly. Please bring this packet of information with you to the meeting.

If you are not able to attend the meeting, please request an excused absence from Lee Bishop, DDFO at: Lee.Bishop@nnsa.doe.gov

Kindest Regards,

Menice B. Santistevan
Executive Director
NNM CAB Support Office



○ Taos, NM

- ↑ Head southwest on Barela Ln toward Kit Carson Rd 0.9 mi / 1.4 min
- ↔ Turn right onto Kit Carson Rd 0.8 mi / 1.1 min
- ↶ Turn left onto NM-68 S/Paseo Del Pueblo Sur 43.0 mi / 54 min

Follow Hwy 84 E/US-285 S/US-84 E, NM-599 S/Veterans Memorial Hwy and I-25 S to NM-556 E/Roy Ave in Bernalillo County. Take exit 234 from I-25 S

- ↘ Continue on NM-556 E to your destination 78.2 mi / 1.18 min
- ↶ 9. Turn left onto NM-556 E/Roy Ave 0.9 mi / 3 min
- ↶ 10. Turn left onto Rainbow Rd 0.4 mi
- 📍 11. At the traffic circle, take the 2nd exit 0.2 mi

○ Santa Fe, NM

- ↘ Get on I-25 S from Paseo De Peralta and US-285 S/US-84 E/S St Francis Dr 80.0 mi / 1.1 min

Follow I-25 S to NM-556 E/Roy Ave in Bernalillo County. Take exit 234 from I-25 S

- ↘ Continue on NM-556 E to your destination 48.1 mi / 56 min
- ↶ 10. Turn left onto NM-556 E/Roy Ave 0.9 mi / 3 min
- ↶ 11. Turn left onto Rainbow Rd 0.4 mi
- 📍 12. At the traffic circle, take the 2nd exit 0.2 mi

○ Albuquerque, NM

- ↘ Get on I-25 N from Carlisle Blvd NE 2.2 mi / 3 min

Follow I-25 N to NM-556 E/Tramway Rd NE. Take exit 234 from I-25 N

- ↘ Continue on NM-556 E/Tramway Rd NE to your destination 6.8 mi / 9 min
- ↷ 8. Turn right onto NM-556 E/Tramway Rd NE 0.8 mi / 9 min
- ↶ 9. Turn left onto Rainbow Rd 0.4 mi
- 📍 10. At the traffic circle, take the 2nd exit 0.2 mi

Directions for Taos are in black, Santa Fe is blue, and Albuquerque is red. Entrance to the Conference Center denoted by the yellow star. South side parking is close to the hotel entrance denoted by the purple star.



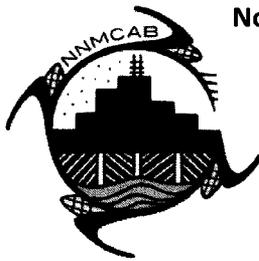
Northern New Mexico Citizens' Advisory Board Meeting
March 26th, 2014
1:00 p.m. to 5:00 p.m.
Sandia Resort
Hummingbird Room
30 Rainbow Road
Albuquerque, New Mexico 87113

Note: There will be a networking lunch for NNM CAB Members from 12:00 to 1:00 p.m. in the Roadrunner Room.

AGENDA

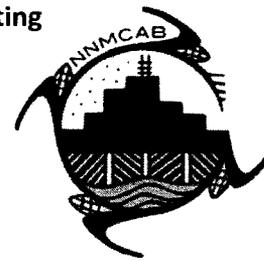
<u>Time</u>	<u>Action</u>	<u>Presenter</u>
1:00 p.m.	Call to Order	Lee Bishop, DDFO
	Establishment of a Quorum (11 needed)	
	a. Roll Call	William Alexander
	b. Excused Absences	
	Welcome and Introductions	Carlos Valdez, Chair
	Approval of Agenda	
	Approval of Minutes of January 29 th , 2014	
1:15 p.m.	Old Business	
	a. Written Reports – See Packet Enclosures (5 minutes)	
	b. Report on Waste Management Symposia	Carlos and Alex
	c. Other Items	
1:45 p.m.	New Business	
2:00 p.m.	Update on Chromium and Perchlorate Plumes	Dave McInroy / Danny Katzman
3:00 p.m.	Break	
3:15 p.m.	Update from Liaison Members	
	a. Update from NMED	John Kieling
	b. Los Alamos National Laboratory	Jeff Mousseau
	c. Department of Energy	Pete Maggiore
	• DOE- Carlsbad Field Office	TBD
4:15 p.m.	Items from Deputy Designated Federal Officer	Lee Bishop
	a. EM News Flash	
	b. Budget Update	
	c. Other Items	
4:30 p.m.	Public Comment Period	
4:45 p.m.	Wrap Up and Comments from Board Members	Carlos Valdez
5:00 p.m.	Adjourn	Lee Bishop

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Northern New Mexico Citizens' Advisory Board Meeting

January 29, 2014
1:00 p.m. to 5:00 p.m.
The Lodge at Santa Fe
Santa Fe, New Mexico 87501



Minutes

Meeting Attendees

Department of Energy

1. Pete Maggiore, DOE Assistant Manager Environmental Projects Office
2. Lee Bishop, Deputy Designated Federal Officer (DDFO)
3. David Rhodes, DOE Environmental Projects Office
4. Robert Pfaff, DOE Environmental Projects Office
5. David Nickless, DOE Environmental Projects Office
6. George Henckel, DOE Environmental Projects Office
7. Cheryl Rodriguez, DOE Environmental Projects Office

NNMCAB Members

1. Carlos Valdez, NNMCAB Chair
2. Doug Sayre, NNMCAB Vice-Chair
3. Bonnie Lucas
4. Daniel Mayfield
5. Gerard Martinez
6. Nona Girardi
7. Stephen Schmelling
8. Angel Quintana
9. Adrian Chavez, Sr.
10. Manuel Pacheco
11. Ashley Sanderson
12. Joey Tiano
13. Bob Villarreal
14. Allison Majure
15. Alex Puglisi
16. Brenda Gallegos

NNMCAB Student Members

1. Deidre Roybal
2. Kaitlin Martinez

Excused Absences

1. Mary Friday
2. Deborah Shaw

- 1 3. Joseph Viarrial
- 2 4. Mike Loya
- 3 5. Irene Tse-Pe
- 4 6. Jerry Trujillo
- 5 7. Gary Johnson

6
7 **NNMCAB Support Staff**

- 8 1. Menice Santistevan, Executive Director
- 9 2. Bridget Maestas, Administrative Assistant
- 10 3. William Alexander, Technical Programs and Outreach

11
12 **Guests**

- 13 1. Connie Martinez, Ohkay Owingeh Pueblo Environmental Department
- 14 2. Scott Kovac, Nuclear Watch New Mexico
- 15 3. Rick Verhaagen, Defense Nuclear Facilities Safety Board
- 16 4. Jonathan Plane, Defense Nuclear Facilities Safety Board
- 17 5. Patti Jones, Los Alamos National Security
- 18 6. Tony Grieggs, Los Alamos National Security
- 19 7. Allison Dorries, Los Alamos National Security
- 20 8. Erika Schwender, New Mexico Environment Department
- 21 9. Vivian Valencia, Portage
- 22 10. Kathryn Roberts, Los Alamos National Security
- 23 11. Laura Day, Project Time & Cost
- 24 12. Carolyn Bateman, Project Time & Cost
- 25 13. Sandra Stubbleful, Go Local Santa Fe
- 26 14. Rick Ulibarri, Los Alamos National Security
- 27 15. Jay Coghlan, Nuclear Watch New Mexico
- 28 16. Danny Katzman, Los Alamos National Security
- 29 17. Dave McInroy, Los Alamos National Security
- 30 18. Fran Berting, Los Alamos County Council

31 ***All NNM CAB meetings are recorded. Audio CD's and Video DVD's have been placed on file for review**
32 **at the NNM CAB office, 94 Cities of Gold Road, Santa Fe, New Mexico, 87506. The written minutes are**
33 **intended as a synopsis of the meeting.**

1 **Minutes**

2 **I. Call to Order**

3 The bi-monthly meeting of the Northern New Mexico Citizens' Advisory Board
4 (NNMCAB) was held on January 29, 2014 at the Lodge at Santa Fe in Santa Fe, New Mexico.
5 Mr. Lee Bishop Deputy Designated Federal Officer (DDFO) stated that on behalf of the
6 Department of Energy (DOE) the meeting of the NNMCAB was called to order at 1:04 p.m.

7 Mr. Bishop recognized Mr. Carlos Valdez the NNMCAB Chair. The Chair presided at the
8 meeting.

9 The meeting of the NNMCAB was open to the public and posted in The Federal Register
10 in accordance with the Federal Advisory Committee Act (FACA).

11
12 **II. Establishment of a Quorum (12 Needed)**

13 **a. Roll Call**

14 Mr. William Alexander conducted roll call as the members arrived. At the call to
15 order 16 members were present. Mr. Alexander recorded that Ms. Brenda Gallegos left
16 the meeting at 2:25 p.m.

17
18 **b. Excused Absences**

19 Mr. Alexander recorded that the following members had excused absences: Ms.
20 Deborah Shaw, Ms. Mary Friday, Mr. Mike Loya, Mr. Joseph Viarrial, Mr. Gary Johnson,
21 Mr. Jerry Trujillo, and Ms. Irene Tse-Pe.

22
23 **c. Absences**

24 Mr. Alexander recorded that there were no unexcused absences at this meeting.

25
26 **III. Welcome and Introductions**

27 Mr. Valdez welcomed the members and the public to the meeting. He asked for
28 introductions from the board members and all attending guests.

29
30 **IV. Approval of Agenda**

31 The board reviewed the agenda for the January 29, 2014 meeting.

32
33 Mr. Doug Sayre made a motion to approve the agenda as presented; Mr. Joey Tiano
34 seconded the motion. The motion to approve the agenda as presented was unanimously
35 passed.

36
37 **V. Approval of Minutes**

38 The board reviewed the minutes of the November 20, 2013 NNMCAB meeting. By
39 ongoing instruction from DOE Headquarters, the minutes were previously reviewed and
40 certified by the NNMCAB Chair.

1 Mr. Valdez opened the floor for comments from the board, with no comments from the
2 board Mr. Valdez asked for a motion.

3
4 Mr. Manuel Pacheco made a motion to approve the minutes as presented; Ms. Bonnie
5 Lucas seconded the motion. The members voted all in favor, the motion to approve the
6 minutes from the November 20, 2013 meeting as presented passed.

7
8 **VI. Public Comment Period**

9 Mr. Valdez opened the floor for public comment at 1:18 p.m.

10
11 Mr. Scott Kovac of Nuclear Watch New Mexico (NWNM) thanked the members for
12 taking the time to work on these complicated issues. He asked that the NNM CAB consider
13 having the public comment at the end of the meeting in an effort to facilitate a more useful
14 comment period, he noted that at the end of the meeting the public would have an
15 opportunity to comment on presentations and information that had been presented.

16 Mr. Kovac requested that the NNM CAB draft a recommendation for Material Disposal
17 Area G (MDA G) remedies. He noted that he would like to see Los Alamos National
18 Laboratory (LANL) reconsider the proposed remedies for MDA G and permanently reduce
19 the toxicity, mobility, and volume of contaminants stored there. Mr. Kovac noted that MDA
20 G has waste from pre 1980 to post 1980 many active low level waste cells, and it all needs to
21 be characterized.

22
23 Mr. Gerard Martinez responded that he agreed with the proposal to move the public
24 comment period to the end of the agenda.

25
26 Mr. Valdez noted that in the future the public comments would be moved to the end of
27 the agenda. Additionally, he noted that he would like to have some members work with Mr.
28 Kovac to draft a recommendation for MDA G.

29
30 Mr. Alex Puglisi noted that he is currently working on a draft recommendation for MDA
31 G, which he was planning to bring to the next combined committee meeting. He noted that
32 he would not have a problem working with a committee and Mr. Kovac to discuss an MDA G
33 draft recommendation.

34
35 Ms. Allison Majure asked Mr. Kovac if the recommendation that he was requesting the
36 NNM CAB draft; would be a recommendation requesting a reframing and piece by piece
37 approach to the completion of the MDA G waste removal.

38
39 Mr. Kovac responded that yes that was what he was looking to have the
40 recommendation propose. Additionally, he noted that the MDA G issue needs to be kept on
41 the table.

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Ms. Lucas asked if Mr. Kovac would describe what he meant by poised over the aquifer.

Mr. Kovac noted that the Española basin is a sole source aquifer that serves Santa Fe, Española, and Los Alamos. He noted that sole source is described as more than half of the population receives water from an aquifer. He stated that 25% to 30% of the water in the aquifer comes from beneath the laboratory.

Mr. Stephen Schmelling stated that with the 3706 Campaign nearly complete, his understanding was that the next big project was the below grade waste retrieval. He noted that at this point he was unsure if there was sufficient information to draft and approve a recommendation. Additionally, he noted that whoever drafts the recommendation would need to be very clear as to which waste the recommendation was addressing.

Mr. Bishop responded that the issue of MDA G had come to light due to Mayor Coss's resolution to the City of Santa Fe, and Mr. Kovac's recommendation at the last NNM CAB Combined Committee meeting. He noted that Mr. Schmelling was correct in that there is a great deal of information that needs to be understood before a conclusion can be made. He encouraged all the members to listen, ask questions, and develop their own opinions on the issue.

Mr. Valdez noted that as the 3706 Campaign winds down; how do we bridge into the next project. Additionally, he noted that Framework Agreements (FW) seemed to be popular with the public and with the New Mexico Environment Department (NMED).

Mr. David Rhodes, from DOE Los Alamos Field Office stated that Mr. Pete Maggiore, from DOE Los Alamos Field Office, would be presenting on the plan for MDA G, and that the discussions with the NNM CAB were so that public discussion on the issue could be initiated. He noted that DOE/LANS would be waiting on NMED to make a decision on the plan before any decisions were made; additionally, he noted that DOE/LANS had not had an opportunity to sit down with Mr. Kovac from NWNM but look forward to it. Mr. Rhodes noted that his only request would be that we might not circulate a recommendation to the board in advance of those discussions.

Ms. Lucas asked if Mr. Bishop could address the lining issue at MDA G for the benefit of the public who could later be viewing the meeting on public access TV.

Mr. Bishop noted that the current technical understanding of the MDA G disposal site is that trans-evaporation occurs at the site. The general theory is that more water evaporates off the surface of the mesa top than ever infiltrates into the mesa. He noted that lined pits would possibly interfere with the transfer of moisture out of the mesa top.

1 Mr. Puglisi noted that he would like to add clarification to the recommendation, which
2 had come verbatim from NMEDs comments on the MDA G Corrective Measures Evaluation.
3 Mr. Puglisi read for the NNM CAB members verbatim the NMED comment. Mr. Puglisi also
4 noted that a similar recommendation was currently before the Regional Coalition of LANL
5 Communities (RCLC). Mr. Puglisi stated that he would recommend that the NNM CAB draft a
6 similar recommendation.
7

8 Mr. Valdez noted that MDA G was a good subject; however, before the NMCAB could
9 discuss it in depth it would be good to have a draft in front of the members. He noted that
10 perhaps a draft could be available by the next full board meeting.
11

12 Dr. Nona Girardi noted that there appears to be two possible sources of water
13 contamination at MDA G: surface water runoff into the Buckman Diversion, and secondly
14 infiltration into the ground water. Dr. Girardi asked if both routes need to be considered and
15 if there is currently protection for both of those.
16

17 Mr. Rhodes responded that storm water is considered separately, there is an NMED
18 piece and an EPA piece. He noted that MDA G currently has a cap that was installed to
19 protect against storm water infiltration; additionally, the area at MDA G also has asphalt
20 areas that cover a large amount of the space. He noted that there has been no evidence of
21 infiltration. Mr. Rhodes stated that in regard to the groundwater there is no evidence of
22 deep infiltration into the mesa. He noted that the identified vapor plumes are hundreds of
23 feet above the aquifer.
24

25 Mr. Sayre noted that it seemed to him that the agenda for the next meeting should have
26 Frame Work Agreement approach as one of the agenda items.
27

28 Mr. Schmelling asked if the rain event back in September 2013 had affected MDA G.
29

30 Mr. Bishop responded that the rain event had been a 1000 year event. He noted that
31 MDA G had not had any impact to the below ground disposal pits, and that there had not
32 been any releases from the site.
33

34 Mr. Gerard Martinez asked if the trans-evaporation could transport contaminants down
35 into the aquifer.
36

37 Mr. Bishop responded that the nature of the trans-evaporation is that the evaporation
38 occurs in the upward direction. He noted that the trans-evaporation creates a negative
39 pressure and moves the water out; additionally, he noted that MDA G is a solid waste
40 disposal site and it has minimal liquid contained in the waste.
41

1 With no additional comments Mr. Valdez closed the public comment period at 1:50 p.m.

2

3 **VII. Old Business**

4 **a. Written Reports**

5 Mr. Valdez opened the floor for comments on the written reports. With no
6 comments on the written reports Mr. Valdez moved on to the next agenda item.

7

8 **b. Other Items**

9 Mr. Valdez noted that the next NNM CAB meeting would be on March 26, 2014 and
10 that it would be held at the Sandia Resort in Albuquerque.

11

12 **VIII. New Business**

13 Mr. Valdez stated that Ms. Cate Alexander was retiring and that her replacement is not
14 yet known.

15 Mr. Valdez advised the members that there would be two different conferences in
16 March. He noted that Ms. Angel Quintana and Ms. Irene Tse-Pe would be attending the
17 Environmental Justice Conference in Washington, D.C., and Mr. Puglisi and he would be
18 attending the Waste Management Symposia in Phoenix, Arizona. Mr. Valdez also noted that
19 the spring Chairs Meeting in Hanford would be April 21-25, 2014.

20

21 Mr. Bishop noted that for the upcoming meeting at Sandia, any members that had to
22 travel more than 50 miles to the facility were eligible for hotel rooms. He encourages the
23 members to be safe and take advantage of the accommodations if they felt it necessary.

24

25 With no additional business to discuss Mr. Valdez moved on to the next agenda item.

26

27 **IX. Upcoming Hearings, Permits, and Public Comment Periods.**

28 Mr. Tony Grieggs gave the NNM CAB an update on the status of Los Alamos National
29 Laboratory's permits, closures, and upcoming hearings. "Los Alamos National Laboratory
30 Environmental Permits Update for January 29, 2014." An electronic copy of the presentation
31 may be obtained from the NNM CAB website; [http://www.nnmcab.energy.gov/7-](http://www.nnmcab.energy.gov/7-presentations/presentations.htm)
32 [presentations/presentations.htm](http://www.nnmcab.energy.gov/7-presentations/presentations.htm). Video of the presentation is available on the NNM CAB's
33 YouTube channel (NNM CAB).

34

35 Mr. Bishop thanked Mr. Grieggs for his time, and noted that the intent of the update
36 was to keep the members updated on the permits. He noted; however, that most of the
37 permits are on the operations side of the house, not a part of the EM scope. He asked that
38 for future reports Mr. Grieggs separate the two for the members; so that the members
39 would know which permits are part of EM scope and which are part of operations.

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41 Mr. Valdez moved to the next item on the agenda.

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X. Presentation on MDA G

a. Material Disposal Area G Presentation.

Mr. Maggiore from DOE and Mr. Jeff Mousseau from LANS gave a presentation to the NNM CAB on "MDA-G: Post TRU Waste Retrieval Proposed Remedy; A Path to Long Term Stewardship." An electronic copy of the presentation may be obtained from the NNM CAB website; <http://www.nnmcab.energy.gov/7-presentations/presentations.htm>. Video of the presentation is also available on the NNM CABs YouTube Channel (NNM CAB).

b. Questions

Mr. Valdez asked in terms of inventory, is there an accurate list of what was disposed: in the pits, shafts, and trenches.

Mr. Mousseau responded that the records in more recent years under the new regulations are better than the legacy records.

Mr. Martinez asked about the lining in the MDA G Area.

Mr. Mousseau responded that the MDA G disposal area is not lined.

Mr. Bob Villarreal asked what was happening with the 33 Shafts.

Mr. Bishop noted that the Site Wide Environmental Impact Statement has the 33 Shafts slated for removal. He noted the 33 Shafts are currently going to undergo a NEPA assessment, to determine a path forward up to and including a complete removal of the shafts.

Mr. Maggiore noted that the factor that had prevented the NEPA assessment was available funding. He noted that he and Mr. Mousseau were in the process of identifying projects to be funded in FY'14, and that the 33 Shafts was a priority.

Mr. Daniel Mayfield asked if there was newly generated waste being stored at MDA G.

Mr. Mousseau responded that except for low level waste (LLW) there is no waste being disposed at MDA G. He noted that newly generated waste is sent to MDA G to be characterized and stored until it is shipped off site for disposal.

Mr. Mayfield asked if the pits for the disposal of LLW are lined.

1 Mr. Mousseau noted that Pit 39 is not lined. He also stated that the Performance
2 Assessment & Composite Analysis (PACA) that MDA G operates under do not require
3 linings at Technical Area 54. He stated that DOE/LANL would be happy to brief the
4 NNM CAB on the PACA at a future meeting.

5
6 Ms. Majure asked if the bore holes were all the same depth and angle.

7
8 Mr. Mousseau responded that the bore holes were of varying depth; and angles,
9 dependent upon what was being sampled.

10
11 Mr. Valdez asked if the Pueblo de San Ildefonso had any monitoring wells of their
12 own.

13
14 Mr. Mousseau noted that LANL did not have any monitoring wells on San Ildefonso.
15 He also stated that the water flow is away from San Ildefonso.

16
17 Mr. Puglisi noted that NMED has questioned that assertion, and noted that there was
18 a need for additional wells northwest of MDA G. Mr. Puglisi asked what the status of the
19 well was and why it hasn't been drilled yet.

20
21 Mr. Danny Katzman noted that the existing data shows what could be a perturbation
22 in the water table in that area, that lead NMED to request the well be installed to the
23 northwest of R-41. Mr. Katzman noted that LANL had proposed to evaluate the need for
24 that well as part of the long term monitoring of the MDA G area.

25
26 Mr. Puglisi asked if NMED had responded to the LANL proposal.

27
28 Mr. Katzman stated that an extension request to drill the well post CME approval had
29 been approved by NMED.

30
31 Mr. Sayre asked about the below-grade TRU removal and if it had started.

32
33 Mr. Mousseau noted that the below-grade TRU removal had not yet started; however
34 the engineering methods for the removal have been worked on. He noted that the
35 corrugated metal pipes are the first items slated for removal, in FY'14.

36
37 Mr. Valdez asked if there were any alternatives on the proposed plan for complete
38 removal, something like a 95% removal.

1 Mr. Maggiore responded that a more in-depth discussion on the alternatives could
2 be given to the NNM CAB at a different meeting. He noted that this would allow for
3 greater discussion on the topic.
4

5 Ms. Majure asked if the excavation alternative was in CME revisions 1 and 2 or only
6 in revision 3.
7

8 Mr. Maggiore stated that to his knowledge it was in all three revisions of the
9 document.
10

11 Dr. Girardi asked if the cost of the no action alternative, had accounted for the cost
12 of ongoing monitoring.
13

14 Mr. Maggiore noted that the no cost alternative had assumed direct costs only, not
15 the cost of the ongoing monitoring.
16

17 Mr. Schmelling asked how confident DOE/LANL was in the ability to fix or repair the
18 property in say 100 years.
19

20 Mr. Maggiore responded that the property that MDA G sits on is not likely to ever be
21 subject to land transfer. He also noted that plans would need to be developed and
22 followed through on in order to maintain the Long Term Stewardship.
23

24 Dr. Girardi asked if 100 years was long enough. She also asked what is done with the
25 volatile organic compounds and Tritium once it is extracted.
26

27 Mr. Mousseau noted that in 100 years the site would need to be evaluated to
28 determine if continued monitoring was needed. In regard to the second question Mr.
29 Mousseau noted that the VOCs are extracted in vapor phase and changed back to the
30 liquid phase and disposed as hazardous waste.
31

32 Mr. Katzman responded that the Tritium was collected on resin and disposed of as
33 hazardous waste.
34

35 Mr. Puglisi asked if MDA G would need a permit modification to close or if closure is
36 part of the CME.
37

38 Mr. Mousseau responded that there would be a closure process and suspension of
39 operations for legacy waste at TA-54, a closure process would be initiated. He noted
40 that the new facility at TA-63 would process newly generated waste.
41

1 **XI. Update From Liaison Members**
2 **a. New Mexico Environment Department**
3 No representative from NMED was present
4
5 **b. Los Alamos National Laboratory**
6 Mr. Jeff Mousseau gave the NNM CAB an update on the Environmental Programs, the
7 status of the 3706 Campaign, below ground waste retrieval, and safety. "Associate
8 Directorate for Environmental Programs Update for January 29, 2014" an electronic
9 copy of the presentation may be obtained from the NNM CAB website;
10 <http://www.nnmcab.energy.gov/7-presentations/presentations.htm>. Video of the
11 presentation is available on the NNM CAB's YouTube channel
12 <http://www.youtube.com/user/NNMCAB>.
13
14 **c. Department of Energy**
15 Mr. Pete Maggiore gave the NNM CAB an update on the FY'14 Budget. "Fiscal Year
16 2014 Budget Update" an electronic copy of the presentation may be obtained from the
17 NNM CAB website; <http://www.nnmcab.energy.gov/7-presentations/presentations.htm>.
18 Video of the presentation is available on the NNM CAB's YouTube channel
19 <http://www.youtube.com/user/NNMCAB>.
20
21 Mr. Valdez asked why only \$91 million was requested in 2007.
22
23 Mr. Maggiore responded that he was not at Los Alamos at that time and was not sure
24 why the request was \$91 million.
25
26 Mr. Valdez asked after the 3706 Campaign is successfully completed what the next
27 project would likely be.
28
29 Mr. Mousseau stated that the lessons from 3706 will be integrated into the new
30 campaign approach with a risk based approach.
31
32 Mr. Maggiore noted that he had made a brief presentation to the RCLC and
33 addressed the same question. He noted that the possibility he had mentioned at the
34 RCLC meeting for the new campaign approach were: chromium, and below ground TRU.
35 Mr. Maggiore noted that he would like to execute the next campaigns quickly and
36 efficiently to show continued progress.
37
38 Mr. Mayfield asked what the status of MDAs H & L was.
39
40 Ms. Kathryn Roberts responded that the CMEs for MDAs H & L are at NMED waiting
41 on review and approval.

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XII. Update from DDFO

Mr. Bishop reviewed the recommendations that had been submitted by the NNM CAB in FY'13, and noted that only recommendation 2013-09 was awaiting a response from DOE.

Mr. Bishop asked Mr. Maggiore to update the NNM CAB on the new Field Office Manager.

Mr. Maggiore stated that effective January 27, 2014, Kim Davis Lebak became the new Field Office Manager at the Los Alamos Site Office. Ms. Lebak has a Masters Degree in Environmental Engineering.

Mr. Bishop noted that NNM CAB members would be attending the Waste Management Symposia in Arizona at the beginning of March, the Environmental Justice Conference at the end of March, and the spring chairs meeting in Hanford at the end of April. Additionally he noted that if members had requests for travel they should submit them to the Executive Committee for review and approval. Mr. Bishop noted that the members who attend conferences are required to come back to the board and brief the members on the conference or tour.

Mr. Bishop noted that the NNM CAB staff had started using Pasatiempo in the Santa Fe New Mexican for advertisements, in an effort to expand the reach of information.

Mr. Bishop stated that the upcoming presentations that he had identified from this meeting were: MDA G cost estimates, MDA G PACA, MDA H & L CME.

Mr. Valdez noted that in regard to travel he would like to send members to some of the other CABs across the complex.

Mr. Bishop responded that it had been discussed before, and if there is sufficient budget, he would certainly entertain the Idea.

XIII. Second Public Comment

Mr. Valdez opened the floor for public comment at 4:35 p.m.

Mr. Jay Coghlan from NWNM reminded the NNM CAB that being highly regarded by the DOE may not be the criteria that you actually want. He noted that he knows members of the Hanford board, and that board is not currently well regarded by DOE. Mr. Coghlan noted that he regards that as a badge of honor.

Mr. Coghlan congratulated Jeff Mousseau on the 3706 Campaign; however noted that his next comments went above Jeff's pay grade. Mr. Coghlan stated that the 3706 campaign should have been completed 10 years ago and the Lab was only catching up to what should have already been done. He states that the campaign in his view was being used as a red herring, where by the LAB does not have to meet all the other requirements of the Consent

1 Order. He noted that he “was not blaming just the Lab but also the Martinez gubernatorial
2 administration.”

3 Mr. Coghlan stated that the NNM CAB Chair had rightfully implied that you were
4 impressed with the 40 deliverables under the Consent Order that LANL had completed;
5 however it should be asked how many were requests for extension in time, essentially
6 asking for permission to not deliver.

7 Mr. Coghlan noted that in request to the \$29 billion cost for MDA G that Mr. Maggiore
8 had brought up, he would like to assist him by providing background details to him. He
9 noted that out of the alleged \$29 billion which is clearly a show stopper, out of that nearly
10 \$1 billion was in design. He asked why does it take nearly a billion to design taking
11 something out. He noted that \$7 billion was for management, \$9 billion for contingency
12 almost 33%. He noted that as Pete observed that some folks cry loudly about when the Lab
13 doesn’t want to do something it high balls it, probably referring to me. Mr. Coghlan agreed
14 that offsite disposal would incur increased costs. Noting that Mr. Mousseau had pointed out
15 during the 3706 Campaign that disposal at Waste Control Specialists is a relative bargain to
16 what it used to be.

17 Mr. Coghlan stated that he believed it was true that no groundwater contamination had
18 been found under MDA G, and that Pete’s slide stating that DOE wants to be transparent,
19 open, and honest in all of its communications is commendable; however, as late as 1996 the
20 head of Los Alamos Groundwater Protection Program was saying that groundwater
21 contamination was impossible, “because the volcanic tuff overlying the aquifer was
22 impermeable.” He noted that this went so far that the Laboratory requested from NMED a
23 permanent waver from ever having to monitor groundwater. Mr. Coghlan noted that Mr.
24 Maggiore was the Secretary of NMED at the time and that he had rejected that variance.

25 Mr. Coghlan closed that while he believes it is true that there is no groundwater
26 contamination below MDA G, he noted that VOC’s have migrated to 250 ft. below the
27 surface; however, conceded that could be treated with soil-vapor extraction. Additionally,
28 he noted that there are small amounts of plutonium found at 200 ft. below the surface. He
29 stated that even if the Lab does not want to remove all the waste, is Los Alamos and Los
30 Alamos National Laboratory prepared to state in writing that groundwater contamination
31 will never occur at MDA G.

32
33 Mr. Maggiore responded that he appreciated that comment. He noted that he
34 appreciated the acknowledgement about the decision that had been made in his former
35 position. Mr. Maggiore noted that what Jay had been referring to was a groundwater
36 monitoring variance requested by LANL pursuant to RCRA. He noted that he felt that there
37 wasn’t sufficient information available to grant that variance. Mr. Maggiore noted that he
38 was not going to go on the record at this time in response to Mr. Coughlan’s questions.

39
40 Mr. Puglisi asked where the assertion that the 3706 Campaign should have been
41 completed 10 years ago came from.

1
2 Mr. Kovac responded that as part of the Consent Order dates; MDA G was supposed to
3 be cleaned up by the end of 2015.
4

5 Mr. Maggiore noted that if you walk backwards in the Consent Order one might logically
6 conclude that the waste would have needed to be removed early on. Mr. Maggiore noted
7 that he did not know if that would have been 10 years or not.
8

9 Mr. Mousseau elaborated on the comment Jay brought up about Waste Control
10 Specialists and the waste disposal cost. He noted that the cost of disposal is \$5k - \$10k per
11 cubic meter; he noted that the volume of waste in MDA G would account for a couple billion
12 dollars. Mr. Mousseau noted that LANL would be happy to provide a more in-depth
13 presentation on the cost analysis.
14

15 Mr. Kovac noted that while it is a lot of waste to remove it is doable. He stated that one
16 of his concerns was the groundwater monitoring well network at the laboratory. Mr. Kovac
17 stated that the collection system under most lined landfills can immediately identify leaks,
18 rather than trying to catch it with a monitoring well. Mr. Kovac also noted that DOE Order
19 435.1 would be up for public comment in the spring.
20

21 Mr. Bishop noted that at this point an announcement on the specific review cycle for
22 435.1 had not been released.
23

24 With no additional comments, Mr. Valdez closed the public comment period at 4:51
25 p.m.
26

27 **XIV. Wrap-up and Comments**

28 Mr. Villarreal noted that the meeting had been very productive, and he appreciated
29 being able to voice what he feels.
30

31 Ms. Katlin Martinez thanked everyone for attending.
32

33 Mr. Puglisi noted that the title on the recommendations sheet should be changed from
34 realignment of the consent order to alignment of the consent order.
35

36 Ms. Majure, Mr. Adrian Chavez, Mr. Sayre, Ms. Ashley Sanderson, Mr. Manuel Pacheco,
37 Mr. Schmelling, Dr. Girardi, Ms. Lucas and Ms. Angel Quintana all thanked the attendees and
38 the staff for a great meeting, and the presenters for the presentations and their factual
39 information. Additionally, Mr. Schmelling asked for an update later in the year on the
40 chromium plume.
41

1 Mr. Tiano thanked the conference staff, presenters, and NNM CAB staff for the great
2 meeting. Additionally, Mr. Tiano noted that the way Mr. Coghlan had presented his
3 comments was aggressive, noting he should remember that the NNM CAB members are
4 citizens also. Mr. Tiano noted that if you become too aggressive you are likely to turn off the
5 individuals you are addressing.
6

7 Mr. Martinez stated that he wanted to thank everyone for the great meeting. He also
8 stated that he welcomed all comments and wanted to thank the Chair for allowing an open
9 discussion.

10
11 **XV. Adjournment**

12 With no additional business to discuss Mr. Bishop adjourned the meeting at 5:10 p.m.

13 **Respectfully Submitted,**



14 **Carlos Valdez, Chair, NNM CAB**

15 ***Minutes Prepared by William Alexander, Technical Programs and Outreach, NNM CAB**

16
17 **Attachments:**

- 18 **1. Final NNM CAB Meeting Agenda for 01/29/2014**
- 19 **2. Final NNM CAB Meeting Minutes for 11/20/2014**
- 20 **3. Report from Carlos Valdez, NNM CAB Chair**
- 21 **4. Report from Menice Santistevan, Executive Director**
- 22 **5. Final NNM CAB Bi-Monthly Meeting Schedule for 2014**
- 23 **6. Update from LANL, Upcoming Hearings, Permits and Public Comment Periods, Tony Grieggs**
- 24 **7. Presentation by Pete Maggiore and Jeff Mousseau, MDA-G: Post TRU Waste Retrieval**
25 **Proposed Remedy; A Path to Long Term Stewardship**
- 26 **8. Update from LANL, Environmental Programs, Jeff Mousseau**
- 27 **9. Update from DOE, FY'14 Budget, Pete Maggiore**

28
29 **Public Notice:**

30 *** All NNM CAB meetings are recorded. Audio CD's and Video DVD's have been placed on file for review**
31 **at the NNM CAB Office, 94 Cities of Gold Road, Santa Fe, New Mexico, 87506. The written minutes are**
32 **in the meeting.**

33 *** Requests for copies of the Attachments section of these minutes may be requested for**
34 **review from the NNM CAB Office by calling (505)989-1662.**

REPORT FROM THE CHAIR

NORTHERN NEW MEXICO CITIZENS' ADVISORY BOARD

MARCH 26, 2014 BOARD MEETING

ALBUQUERQUE, NEW MEXICO

I. Routine Chair Activities since last NNM CAB meeting on 01/29/14:

A. Executive Committee and WM/EM&R Committee meetings were held on February 12, 2014, at the Cities of Gold, and then again on March 12, 2014 at the NNM CAB Office. Some of the discussion items are listed below:

1. The Executive Committee spoke about the upcoming Environmental Justice Conference, which Angel Quintana and Irene Tse-Pe will attend.
2. The Executive Committee talked about hosting a public forum in Santa Fe regarding Area G sometime in the Fall of 2014.
3. The Executive Committee talked a little about coming up with issues/achievements for the upcoming National Chairs meeting in April.
4. The Executive Committee approved the full board meeting agenda for March 26th.
5. The Chair attended the Regional Coalition meeting on February 21, 2014, held in Española. This was Mayor Coss' last meeting as Chair of this Coalition. It is still unclear if Mayor elect Gonzales will participate on this panel, or have a representative from the City of Santa Fe assigned to it.
6. Another Regional Coalition meeting is scheduled for March 21, which the Chair will attend as well.
7. Mike Loya and Joey Tiano are scheduled to attend an all day Nuclear Waste Meeting to be held at the Marriott in Albuquerque on March 19, 2014.
8. A great presentation was given by Karen Armijo on NEPA basics.
9. A brief overview of Robert's Rules of Order was given by Bridget. Handy books were also distributed.
10. FY 14 Work Plans were reviewed and updated.
11. The Chair will be developing an FY 16 budget priorities recommendation.

II. SSAB Related Chair Activities since last NNM CAB meeting on 01/29/14:

- A. The Chair attended the Waste Management Symposium from March 2 – 7, in Phoenix, Arizona. A full report was written on the Symposium and is part of your March 26th board meeting packet.

III. Other Related Chair Activities

- A. The Chair was scheduled to attend a Nuclear Waste Conference to be held in Albuquerque on March 19, 2014, however, the National Chairs call will be held that day.
- B. The Chair is scheduled to attend the Annual Leadership Breakfast on the morning of the full board meeting on March 26, 2014.
- C. The Chair will participate in the National Chairs conference call on March 19, 2014.

Respectfully Submitted by:

Carlos Valdez

Chair, NNMCAB

March 17, 2014

**Northern New Mexico Citizens' Advisory Board
Executive Director's Report**

March 26th, 2014

Board Membership: The NNM CAB currently consists of 21 members. Recruitment is currently underway for new high school student members. Gary, Jerry, and Deidre will be graduating in May. Kaitlin Martinez continues to serve as our college student member.

Executive Committee: The Executive Committee met on Feb. 12th at the Cities of Gold Conference Center and on March 12th at the NNM CAB office. The Ad Hoc Committee on the annual self-evaluation (Alex Puglisi, Ashley Sanderson and Manuel Pacheco) will review the results thoroughly and will recommend any changes. The committee also discussed the FY'15 Budget, reviewed and approved the Bi-monthly meeting schedule for 2014, discussed and approved travel to the Waste Management Symposia, the Environmental Justice Conference, and the EM-SSAB Chairs' Meeting. The ExCom also approved the agenda for this meeting and discussed possible draft recommendations.

EM-SSAB Chairs' Meeting: The Spring Chairs' Meeting has been scheduled for April 22 – 24, in Richland, Washington (hosted by the Hanford Advisory Board). Carlos, Doug, and Allison will represent the NNM CAB; Lee, Christina, Menice and Bridget will also attend. The NNM CAB is scheduled to host the Chairs' meeting in September 2015.

Board Meeting Preparations: I prepared the Draft Agenda and submitted the notice to *The Federal Register*, in compliance with the Federal Advisory Committee Act. The NNM CAB staff made all arrangements at Sandia Resort including meeting room set-up, catering and reservations for overnight accommodations for NNM CAB members. Lee Bishop and I coordinated the speakers and the Liaison Member attendance. All meeting materials were copied and collated by Bridget Maestas and 60 meeting packets were mailed out on March 19th. An advertisement for the meeting was placed in *The Albuquerque Journal*. Press Releases were sent to all newspapers for publication in the Community Calendar sections. Notices were posted on the NNM CAB website and on Facebook by William Alexander. Flyers advertising the meeting were also posted around northern New Mexico.

Outreach: Recruitment is underway for nominees; especially women, tribal and student members. The bi-monthly meetings are telecast via public access channels in Santa Fe, Los Alamos, Albuquerque and Taos and are posted on YouTube. The NNM CAB also has a Facebook page and all presentations, recommendations, and correspondence are posted on the NNM CAB's web site: www.nnmcab.energy.gov

Important Upcoming Dates:

April 9 -- Committee and Combined Committee Meeting at Cities of Gold Conference Center

April 22 – 24 EM-SSAB Chairs' Meeting hosted by Hanford Advisory Board

May 14 – Executive Committee and Combined Committee Meeting at NNM CAB Office

May 21 – Bi-monthly meeting at Cities of Gold Conference Center

WASTE MANAGEMENT SYMPOSIUM 2014

The Waste Management Symposium was held March 2 – 7, 2014, in Phoenix, Arizona, at the Phoenix Convention Center. There were participants from around the world present at this conference. This year's NNM CAB attendees included Alex Puglisi and myself.

The first day of the conference, Sunday, I participated in the Critical Decisions (and tools) for First-time and Experienced Managers (Or how I Learned to Love the Org Chart) Workshop. This was an all day workshop and was presented by James Hylko, who is a Project Manager out of the Paducah and Portsmouth site. This workshop provided the core elements of an effective management training program derived from applying the Department of Energy's Integrated Safety Management System and the Occupational Safety and Health Administration's Voluntary Protection Programs. It was a good workshop, but in my opinion, not worth the expense to attend.

From Monday thru Thursday, I attended several sessions throughout the day, including Hot Topics in DOE. This seemed to be a very popular session, since the room was fairly large and well attended by participants. For several of the other sessions throughout the week, the Hanford clean-up site seemed to be the selected site conversation. On several of the panel discussions, Hanford was used as an example of the type of clean-up being conducted. The discussions also seemed to center around the River Preservation Program and the Tank Waste Farms. Overall, the sessions were very interesting. The panel discussions were my favorite part of the Symposium. The number of experts that participated on these panels was remarkable. However, the one concern I had was that several of the *most* interesting sessions were scheduled at the same time. That made it difficult to determine which of the sessions to sit in on. I personally found at least 3 sessions scheduled at the same time that I found interesting and wanted to attend. It was also a little concerning that I didn't see any participants from the other CAB's around the complex in attendance.

It was interesting to listen to the different perspectives from different parts of the world, including Finland, Sweden, China, Canada, Japan, Germany, Belgium, France, and many others. Because of the language barrier, some of the speakers were really hard to understand and there were no interpreters. For Thursday's lunch, Alex and I sat with a representative from Germany and a representative from France. It turned out to be a very interesting conversation. The rep from France actually started talking about Hitler and how he killed an enormous number of Jews! We lightened up the mood by also talking about Nuclear power in their countries and the water problems they face as well.

I was able to attend the Panel Discussion: US DOE Featured Site, Los Alamos National Laboratory. The panel was well put together and included Cabinet Secretary Flynn, Jeff Mousseau, Frank Marcinowski, and others. During this session, I may have heard what might be our next Framework Agreement. Jeff spoke about the possibility of moving next to the protection of water quality, which includes the Chromium Plume, as soon as the 3706 campaign is complete. This should provide for more detailed discussions with the Board in the next several months.