

 ENTERED



A U.S. Department of Energy
Site-Specific Advisory Board

NNMCAB Members

Douglas Sayre, Chair
Santa Fe, NM
Gerard Martínez y Valencia,
Vice-Chair
Santa Fe, NM
Carla Abeyta
Chimayo, NM
Max Baca
Las Vegas, NM
Diahann Cordova
Alcalde, NM
Mary Friday
Taos, NM
Nona Girardi
Los Alamos, NM
Angelica Gurulé
Española, NM
Joshua Madalena
Pueblo of Jemez, NM
Tessa Mascareñas
Española, NM
Daniel Mayfield
Nambé, NM
Alex Puglisi
Santa Fe, NM
Angel Quintana
Pueblo of Pojoaque, NM
Rod Sanchez
Corrales, NM
Ashley Sanderson
Santa Fe, NM
Stephen Schmelling
Santa Fe, NM
Joey Tiano
Santa Fe, NM
Irene Tse-Pe,
Pueblo de San Ildefonso, NM
Carlos Valdez
Albuquerque, NM
Michael Valerio
Taos, NM
Mona Varela
Albuquerque, NM
Michael Whiting
Albuquerque, NM
Nicole Habbit
Student Representative
Ashlee Herrera
Student Representative
James Valerio
Student Representative

March 23, 2016

Dear NNMCAB Members, Liaisons, and Student Representatives,

Enclosed is the information you will need for the NNMCAB meeting scheduled for March 30, 2016 at Sandia Resort, north of Albuquerque. Please see the enclosed map for driving directions.

Secretary Ryan Flynn from the New Mexico Environment Department will be presenting the revisions to the Order on Consent and will be seeking your input. In addition, Genna Hackett will be giving an update on the FY '17/18 Environmental Management Budget for Los Alamos.

You will also consider Draft Recommendation 2016-02, "FY 2018 Budget Priorities." Please review the enclosed material and bring it with you to the meeting.

Chairman Sayre has asked that you arrive before 1:00 p.m., so that a quorum may be established promptly.

If you are unable to attend the meeting, please request an excused absence from Lee Bishop, DDFO at: Lee.Bishop@em.doe.gov or Mike Gardipe at: Mike.Gardipe@em.doe.gov

Kindest regards,

Menice B. Santistevan, M. A.
Executive Director
NNMCAB Support Office

Northern New Mexico Citizens' Advisory Board
94 Cities of Gold Road
Santa Fe, NM 87506
Phone: 505-989-1662 Fax: 505-989-1752
1-800-218-5942
www.energy.gov/em/nnmcab



○ Taos, NM

- ↑ Head southwest on Barela Ln toward Kit Carson Rd
- ↔ Turn right onto Kit Carson Rd
- ↶ Turn left onto NM-68 S/Paseo Del Pueblo Sur
- 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
- ↶ 9 Turn left onto NM-556 E/Roy Ave
- ↶ 10 Turn left onto Rainbow Rd
- 📍 11 At the traffic circle, take the 2nd exit

○ Santa Fe, NM

- Get on I-25 S from Paseo De Peralta and US-285 S/US-84 E/S St Francis Dr
- 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
- ↶ 10 Turn left onto NM-556 E/Roy Ave
- ↶ 11 Turn left onto Rainbow Rd
- 📍 12 At the traffic circle, take the 2nd exit

○ Albuquerque, NM

- Get on I-25 N from Carlisle Blvd NE
- 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
- ↷ 8 Turn right onto NM-556 E/Tramway Rd NE
- ↶ 9 Turn left onto Rainbow Rd
- 📍 10 At the traffic circle, take the 2nd exit

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 closest to the hotel entrance denoted by the purple star.

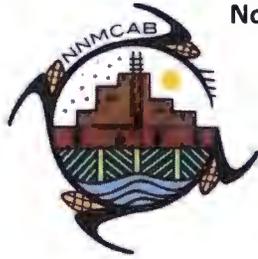


Northern New Mexico Citizens' Advisory Board Meeting
March 30, 2016
1:00 p.m. to 5:15 p.m.
Sandia Resort, Ballroom A
30 Rainbow Road
Albuquerque, New Mexico 87113



Agenda

<u>Time</u>	<u>Action</u>	<u>Presenter</u>
1:00 p.m.	Call to Order	Lee Bishop, DDFO
	Welcome and Introductions	Doug Sayre, Chair
	Approval of Agenda	
	Approval of Minutes of January 27, 2016	
1:20 p.m.	Old Business	
	a. Written Reports – See Packet Enclosures (5 minutes)	
	b. Other items	
1:30 p.m.	New Business	
1:35 p.m.	Update from Deputy Designated Federal Officer(s)	Lee Bishop/Michael Gardipe
1:45 p.m.	Presentation on Revisions to Consent Order, Upon Opening of Public Comment Period	
		NMED Secretary Ryan Flynn
3:00 p.m.	Break	
3:20 p.m.	Presentation Continues	
4:00 p.m.	Public Comment Period	
4:15 p.m.	Update on FY 17/18 EM Budget	Genna Hackett
4:45 p.m.	Consideration and Action on Draft Recommendation 2016-02, "FY 2018 Budget Priorities"	Doug Sayre
5:00 p.m.	Wrap-up Comments from NNMCAB Members	
	a. Were your questions answered regarding the presentations?	
	b. Requests for future presentations or information	
	c. Proposed Recommendations	
5:15 p.m.	Adjourn	Michael Gardipe



Northern New Mexico Citizens' Advisory Board Meeting

January 27, 2016

1:00 p.m. to 5:15 p.m.

Ohkay Owingeh Casino

Ohkay Owingeh, New Mexico 87566



Minutes

Meeting Attendees

Department of Energy

1. Douglas Hintze, Manager, Department of Energy, Environmental Management Los Alamos Field Office
2. Lee Bishop, Co-Deputy Designated Federal Officer
3. Michael Gardipe, Co-Deputy Designated Federal Officer
4. Jennifer Hackett, DOE, Environmental Management Los Alamos Field Office
5. J.R. Stroble, DOE, Carlsbad Field Office
6. Herb Cruickshank, DOE, Carlsbad Field Office
7. Paul Strider, DOE, Environmental Management Headquarters
8. Pete Maggiore, DOE, National Nuclear Security Administration

NNMCAB Members

1. Doug Sayre, NNMCAB Chair
2. Gerard Martínez y Valencia, NNMCAB Vice-Chair
3. Angelica Gurulé, Chair Waste Management Committee
4. Carlos Valdez
5. Diahann Lopez-Cordova
6. Tessa Jo Mascareñas
7. Mona Varela
8. Ashley Sanderson
9. Carla Abeyta
10. Danny Mayfield
11. Joey Tiano
12. Michael Whiting

Student Representatives

1. Ashlee Herrera
 2. James Valerio
-

1 **NNMCAB Excused Absences**

- 2 1. Irene Tse-Pe
- 3 2. Mary Friday
- 4 3. Michael Valerio
- 5 4. Steven Schmelling

6
7 **NNMCAB Absences**

- 8 1. Alex Puglisi
- 9 2. Josh Madalena
- 10 3. Rod Sanchez
- 11 4. Angel Quintana
- 12 5. Max Baca

13
14 **NNMCAB Support Staff**

- 15 1. Menice Santistevan, Executive Director
- 16 2. Bridget Maestas, Administrative Assistant
- 17 3. William Alexander, Technical Programs and Outreach

18
19 **Guests**

- 20 1. David Swale, BWXT
- 21 2. Bob Dodge, Waste Control Specialists
- 22 3. Betsy Madru, Waste Control Specialists
- 23 4. Scott Kovac, Nuke Watch New Mexico
- 24 5. Andrea Romero, Regional Coalition of LANL Communities
- 25 6. Allison Scott Majure, New Mexico Environment Department
- 26 7. Katie Roberts, New Mexico Environment Department
- 27 8. Jake Naranjo, Santa Clara Pueblo
- 28 9. Shawn Ohato, Santa Clara Pueblo
- 29 10. Randy Erickson, Los Alamos National Security
- 30 11. Shannon Farrell, CH2M
- 31 12. Corey Chun, CH2M
- 32 13. Floyd Archuleta, Portage, Inc.
- 33 14. Michele Jacquez-Ortiz, U.S. Senator Tom Udall's Office
- 34 15. Steven Horak, Project Time and Cost, LLC.
- 35 16. Brian Bosshardt, Los Alamos County
- 36 17. Peter Hyde, Los Alamos National Security
- 37 18. Roger Snodgrass, Los Alamos Daily Post/Exchange Monitor

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

1 **Minutes**

2 **I. Call to Order**

3 The Meeting of the Northern New Mexico Citizens' Advisory Board (NNMCAB) was held
4 on January 27, 2016 at Ohkay Owingeh Conference Center, Ohkay Owingeh, New Mexico.
5 Mr. Lee Bishop, Co-Deputy Designated Federal Officer (CDDFO) stated that on behalf of the
6 Department of Energy (DOE) the meeting of the NNMCAB was called to order at 1:06 p.m.

7 Mr. Bishop recognized Mr. Doug Sayre, the NNMCAB Chair. Mr. Sayre 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.

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

12 **a. Roll Call**

13 Mr. William Alexander conducted roll call as the members arrived. At the call to
14 order 12 members were present.

15 **b. Excused Absences**

16 Mr. Alexander recorded that the following members had excused absences: Ms.
17 Irene Tse-Pe, Mr. Michael Valerio, Ms. Mary Friday, and Mr. Steven Schmelling.

18 **c. Absences**

19 Mr. Alexander recorded that the following members were absent. Mr. Alex Puglisi,
20 Mr. Josh Madalena, Mr. Rod Sanchez, Ms. Angel Quintana, and Mr. Max Baca.

21 **III. Welcome and Introductions**

22 Mr. Sayre welcomed the members and the public to the meeting. He asked for
23 introductions from the board members and attending guests.

24 **IV. Approval of Agenda**

25 The board reviewed the agenda for the January 27, 2016 meeting, Mr. Sayre opened the
26 floor for questions or comments.

27 Mr. Valdez made a motion to approve the agenda as presented; Mr. Tiano seconded the
28 motion. The motion to approve the agenda as presented was unanimously passed.

29 **V. Approval of Minutes**

30 The board reviewed the minutes from the November 12, 2015 meeting. By ongoing
31 instruction from DOE Headquarters, the minutes were previously reviewed and certified by
32 the NNMCAB Chair. Mr. Sayre opened the floor for questions or comments.

33 Mr. Whiting made a motion to approve the minutes as presented; Ms. Gurulé seconded
34 the motion. The motion to approve the minutes as presented was unanimously passed.

35 The board reviewed the minutes from the November 18, 2015 meeting. By ongoing
36 instruction from DOE Headquarters, the minutes were previously reviewed and certified by
37 the NNMCAB Chair. Mr. Sayre opened the floor for questions or comments.

1
2 Ms. Gurulé made a motion to approve the minutes as presented; Ms. Varela seconded
3 the motion. The motion to approve the minutes as presented was unanimously passed.

4
5 **VI. Old Business**

6 **a. Written Reports**

7 Mr. Sayre opened the floor for questions on the written reports. Mr. Sayre gave a
8 brief overview of the chairs written report. He noted that the members should also
9 review the Executive Director's report for important dates of upcoming meetings and
10 events, in addition to an update on the membership and NNMCAB activities.

11
12 **b. Other Items**

13 Mr. Sayre opened the floor for discussion on old business that the members might
14 have.

15
16 Mr. Valdez noted that on the budget recommendation that he was asked to
17 address, he was looking at addressing activities that need to be completed, not
18 specific dollars. He asked that the members provide him with comments for the
19 recommendation.

20
21 Mr. Bishop noted that DOE does not yet know what the FY'17 Budget will be so a
22 recommendation addressing priorities might be a better path to follow.

23
24 Mr. Hintze noted that in his presentation he would be addressing some of the FY'17
25 Budget.

26
27 Mr. Sayre noted that the only other recommendation on the table was on
28 chromium. He noted that the NNMCAB would be waiting on the resolution of public
29 comments in the Chromium Environmental Impact Statement (EIS), before completing
30 that draft.

31
32 Mr. Bishop responded that the Chromium EIS response document had been issued
33 and that a finding of No Significant Impact had been issued for the chromium interim
34 measure.

35
36 **VII. New Business**

37 Mr. Sayre opened the floor for discussion on any new business that the members might
38 have.

39
40 The members asked if they could have additional information at the February 10, 2016
41 Combined Committee meeting on the Corrective Action Plan for Remediated Nitrate Salts.

1 Mr. Bishop responded that an additional presentation on the corrective actions could be
2 arranged for the February meeting.

3
4 **VIII. Update from the Deputy Designated Federal Officer**

5 Mr. Bishop noted that with all the Liaisons present today he would defer the DDFO time
6 to them, since they would be covering many of the same topics. Additionally, he noted that
7 he would like to have Ms. Betsy Madru from Waste Control Specialists (WCS) give a brief
8 introduction.

9
10 Ms. Madru stated that WCS owns and operates a low level waste disposal facility in
11 Andrews, Texas. She noted that WCS is trying to attend each Citizens' Advisory Board and
12 introduce themselves to the members. She noted that she would be around during the
13 meeting to answer any questions that the members may have. Ms. Madru stated that
14 Energy Solutions had announced during December of 2015 its intent to purchase WCS. She
15 noted that the purchase contracts are currently with the Department of Justice pending a
16 review of the legality of the purchase.

17
18 **IX. Consideration and Action on Draft Recommendation.**

19 Mr. Sayre opened the floor for consideration and action on Draft Recommendation
20 2016-01. Mr. Sayre asked Mr. Valdez if he would like to provide an overview of the
21 recommendation to the board.

22
23 Mr. Valdez stated that the intent of the recommendation was to provide DOE with a
24 realistic approach to address the remaining clean-up at Los Alamos. Additionally, noting that
25 it was intended to maximize time and effort and taxpayer dollars.

26
27 Mr. Sayre noted that if the members did not have any additional questions he would like
28 to call for a motion to approve the draft recommendation.

29
30 Ms. Lopez-Cordova made a motion to approve Draft Recommendation 2016-01
31 "Campaign Approach", as presented; Mr. Martínez y Valencia seconded the motion. The
32 motion to approve the Draft Recommendation 2016-01 was unanimously passed.

33
34 **X. Presentations**

35 **a. Environmental Management Los Alamos Filed Office**

36 Budget Analyst, Ms. Genna Hackett and Site Manager, Mr. Hintze, DOE,
37 Environmental Management Los Alamos Filed Office (EM-LA); gave a presentation to
38 the NNMCAB on "Fiscal Year 2016 Budget." An electronic copy of the presentation
39 may be obtained from the NNMCAB website; <http://www.energy.gov/em/nnmcab>.
40 Video of the presentation is also available on the NNMCAB's YouTube Channel
41 (NNMCAB).
42

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42

b. Questions

Mr. Valdez asked what happened with the dollars budgeted for Transuranic (TRU) Waste in FY'15.

Ms. Hackett responded that while money was not spent on shipping as it was not occurring in FY'15, the budget for TRU waste was used to address the corrective actions and judgments of need that were presented in the Waste Isolation Pilot Plant (WIPP) incident reports.

Mr. Bishop additionally noted that some of that budget was spent on the storage and prep costs associated with the nitrate salt bearing wastes, in addition to the research necessary to treat the waste.

Mr. Valdez asked where the money for fines comes from.

Ms. Hackett responded that the fines for the settlement agreements will be coming out of FY'15 budget not the FY'16 budget.

Mr. Hintze noted that there is no fund that is set aside for fines, the money for fines is derived out of the program budget.

Mr. Martínez y Valencia asked if some of the funding for the fines had come from the TRU waste shipping budget.

Mr. Maggiore responded that the funding for the fines had not come out of the clean-up budget for Los Alamos, it was derived from unearned fee that LANS did not receive and re-appropriated moneys from Congress.

Mr. Mayfield stated that a priority for the NNMCAB should be to work towards getting an approved Life Cycle Baseline for clean-up.

Mr. Valdez asked if the chromium project was going to be starting back up soon.

Mr. Hintze responded that yes, the extraction and injection wells are in the process of being put in and pump and treat will resume.

Mr. Valdez asked about the Royal Demolition Explosive (RDX) plume project.

Mr. Hintze stated that characterization and investigation for the best process for remediation of the RDX plume is planned in the near term.

Mr. Valdez asked what the follow on acquisition activities are.

1 Mr. Hintze responded that the follow on acquisition activities are the development
2 of the long term contract that needs to be put in place at the end of the Bridge
3 Contract.
4

5 **c. Waste Isolation Pilot Plant**

6 Mr. J. R. Stroble, DOE, Carlsbad Field Office; provided a presentation on "Waste
7 Isolation Pilot Plant Recovery." An electronic copy of the presentation may be
8 obtained from the NNMCAB website; <http://www.energy.gov/em/nnmcab>. Video of
9 the presentation is also available on the NNMCAB's YouTube Channel (NNMCAB).
10

11 **d. Questions**

12 Mr. Sayre asked if the WIPP reopening was going to be a soft reopening.
13

14 Mr. Stroble responded that the reopening will be a form operation readiness
15 review, being characterized as a crawl, noting that the entire facility will be evaluated
16 and formally evaluated for safety and training purposes.
17

18 Mr. Valdez noted that he thought that the new ventilation system was going to be
19 installed in a different location than the old system.
20

21 Mr. Stroble responded that the location for the new system has not been
22 determined yet. Additionally, noting that safety analysis and capability alternative
23 analysis needs to be conducted and approved.
24

25 Mr. Sayre asked if the new system would allow for the use of diesel equipment in
26 the mine.
27

28 Mr. Stroble responded that an analysis had been conducted and where applicable
29 diesel equipment is incorporated. He noted that an example of this is the hybrid rock-
30 bolter that uses both electric and diesel power for operation.
31

32 Mr. Whiting asked if an uncertainty cushion had been factored into the recovery
33 plan for WIPP.
34

35 Mr. Stroble responded that yes, risks are identified and uncertainty associated with
36 those risks must be incorporated. Additionally, noting that uncertainty had been
37 factored into the schedule and that DOE has confidence in the proposed date of
38 December 18, 2016 for resumption of operations.
39

1 **XI. Update from Liaisons**

2 **a. Update from U.S. Department of Energy**

3 Mr. Hintze noted that he only had two quick topics to cover. The first was that the
4 Defense Nuclear Safety Board was scheduled to hold a hearing associated with
5 Material Disposal Area G, in March. Mr. Hintze noted that as additional information
6 becomes available he would share it with the NNMCAB. The second topic was that the
7 new EM-LA office was still in the process of hiring personnel to fill positions; he noted
8 that the EM-LA office would be filling 18 positions, over the course of the next year.
9

10 **b. Update from Los Alamos National Security**

11 Mr. Randy Erickson noted that he would like to further the board's knowledge on
12 the safe storage of nitrate salt waste. He stated that extensive small scale testing of
13 surrogate materials was conducted, to replicate what occurred in the nitrate salt
14 bearing waste drum at WIPP. Additionally, noting that full scale drum tests were also
15 conducted. These tests provide technical information on how the materials behave,
16 and possible new safety measures that could be taken to increase safety of drum
17 storage: such as temperature control. Mr. Erickson noted that when the processing of
18 the waste begins in the latter part of FY'17, temperature control will be incorporated
19 into the remediation process.

20 Mr. Erickson stated that extensive outside testing in addition to peer review of the
21 work had been conducted, to ensure that LANL is on the correct path.
22

23 Mr. Sayre asked where the testing had taken place.
24

25 Mr. Erickson responded that the Southwest Research Institute had been
26 conducting the testing for Los Alamos.
27

28 **c. Update from New Mexico Environment Department**

29 Ms. Katie Roberts stated that the New Mexico Environment Department was
30 happy to announce that the Settlement Agreements had been signed on Friday
31 January 22, 2016. She noted that the Agreements consisted of \$74 Million dollars
32 covering 8 supplemental environmental projects, at Los Alamos and Carlsbad. She
33 stated that the goal is to have the supplemental environmental projects completed
34 within two years, with the exception of the communication plan which will be
35 ongoing.

36 Ms. Roberts noted that the NMED will be the final sign off on whether WIPP will
37 be opened on time and how the remediation of the nitrate salts will take place.
38 Additionally, noting that NMED has been very involved in both processes and will
39 continue to be.

40 Ms. Roberts noted that the NMED is moving to look at Consent Order
41 negotiations. She advised the NNMCAB that her staff is currently working on drafting
42 a new Consent Order. Ms. Roberts stated that NMED values the input of the NNMCAB

1 and that the NNMCAB will have valuable input in the drafting of the new Consent
2 Order. Ms. Roberts noted the four major concepts in the new Consent Order: Cleanup
3 vs. investigation, annual work planning process, campaign approach, and data quality
4 objectives. Ms. Roberts stated that there will be more public input into this Consent
5 Order than in the previous 2005 document. Additionally, noting that she is unsure
6 what course that input will take.

7
8 Ms. Gurulé asked for more information on the Supplemental Environmental
9 Projects (SEP) and the storm water aspect.

10
11 Ms. Roberts responded that of the eight SEPs five of them will be conducted at
12 LANL. Ms. Roberts noted that two of those projects are enhanced engineering
13 controls for storm water runoff in the canyons, and additional sampling capabilities
14 for surface water. Additionally, stating that money for those two projects has already
15 been appropriated.

16
17 Mr. Mayfield asked what NMEDs position was on the DOE Life Cycle Baseline.

18
19 Ms. Roberts noted that the campaign approach and the annual work plan process
20 feed into the Life Cycle Baseline; however, the Life Cycle Base line is not a document
21 that NMED has input on or approves.

22
23 Mr. Valdez asked if any of the eight SEPs would be a campaign approach.

24
25 Ms. Roberts responded that the SEPs would not be completed using a campaign
26 approach.

27
28
29 **XII. Public Comment**

30 Mr. Sayre opened the floor for public comment at 4:03 p.m. he invited Mr. Scott Kovac
31 from Nuke Watch New Mexico to address the board.

32
33 Mr. Kovac stated that the estimated cost of environmental cleanup across all the DOE
34 environmental sites is over \$240 billion. Additionally, noting that the cost goes up each year.
35 He stated that we need to keep funding these liabilities and a larger yearly budget should be
36 requested.

37 Mr. Kovac noted that he had a request on WIPP, and the baseline costs. He noted that
38 he did not believe that DOE had made public the new CD-1, cost schedule, or underground
39 contamination levels at WIPP, stating that he was requesting that DOE make these available.

40
41 With no additional comments Mr. Sayre closed the public comment at 4:05 p.m.

1 **XIII. Wrap-up and Comments**

2 Ms. Abeyta, Mr. Mayfield, Mr. Tiano, Mr. Martínez y Valencia, Ms. Sanderson, Mr.
3 Valerio, Ms. Mascareñas, Ms. Herrera, Ms. Lopez-Cordova, Mr. Sayre, and Ms. Gurulé;
4 stated that it was an interesting meeting and they appreciated all of the input. Additionally,
5 they thanked the presenters for the informative presentations and staff for the meeting
6 preparation.

7
8 Mr. Whiting and Ms. Varela, noted that they were looking forward to getting to
9 prioritize the clean-up projects, Additionally, Mr. Whiting asked that DOE present its
10 information in an unbiased way to the greatest extent possible.

11
12 Mr. Valdez noted that he would work on the budget recommendation and get it out to
13 the NNMCAB members for review as soon as possible. He thanked everyone for a great
14 meeting.

15 **XIV. Adjournment**

16 Mr. Sayre noted that the next Combined Committee meeting would be at the NNMCAB
17 office in Pojoaque on February 10, 2016. He thanked the presenters and members for attending
18 today's meeting.

19
20
21 Mr. Bishop and Mr. Gardipe thanked the members for volunteering their time. With no
22 additional business to discuss, Mr. Gardipe adjourned the meeting at 4:12 p.m.

23 **Respectfully Submitted,**



24 **Doug Sayre, Chair, NNMCAB**

25 ***Minutes prepared by William Alexander, Technical Programs and Outreach, NNMCAB**

26 **Attachments**

- 27
- 28 1. Final NNMCAB Meeting Agenda for 01/27/2016
 - 29 2. Final NNMCAB Meeting Minutes for 11/12/2015
 - 30 3. Final NNMCAB Meeting Minutes for 11/18/2015
 - 31 4. Report from the Chair, Doug Sayre
 - 32 5. Report from the Executive Director, Menice Santistevan
 - 33 6. NNMCAB Bi-Monthly Meeting Schedule for CY'16
 - 34 7. Draft Recommendation 2016-01 "Campaign Approach"
 - 35 8. Presentation by Department of Energy, "Fiscal Year 2016 Budget"
 - 36 9. Presentation by Carlsbad Field Office, "Waste Isolation Pilot Plant Recovery"
- 37
-

1 **Public Notice:**

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

5

**Northern New Mexico Citizens' Advisory Board
Executive Director's Report
March 30, 2016**

Membership: The Northern New Mexico Citizens' Advisory Board (NNMCAB) currently consists of 22 members and 3 student representatives. EM-LA submitted a nomination package in late November requesting the re-appointment of three members (Sanderson, Gurulé, and Varela) to another two year term. Dr. Monica Regalbuto signed the letters of reappointment on February 10, 2016. Thank you to Ashley, Angelica, and Mona for their willingness to serve another term. Governor Benito Sandoval of Taos Pueblo has nominated Robert Gomez to serve on the NNMCAB. Mr. Gomez is the Environmental Director for the Pueblo. We hope to expedite Mr. Gomez's appointment to the NNMCAB.

Meeting Schedule for 2016: The meeting dates and locations have been scheduled for 2016; a copy of the schedule has been included in your meeting packet. Please note that the committee meeting schedule has also been updated, based on your discussions and input. The next committee meetings are scheduled for April 27, 2016 at the NNMCAB Office. The Executive Committee will now meet from 11:00 a.m. to 12:30 p.m. and the Combined Committees will meet from 1:00 p.m. to 4:00 p.m.

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 NNMCAB staff made all arrangements at Sandia Resort, including meeting room set-up and catering. Reservations were also made for overnight accommodations for NNMCAB members. Lee Bishop and I coordinated the speakers and the Liaison attendance. Meeting packets were sent out on March 23, 2016. All Pueblo Governors in northern New Mexico were sent a meeting packet. An advertisement for the meeting was placed in the *Albuquerque Journal North*. Press Releases were sent to all newspapers for publication. Meeting time and venue were posted to the newspapers Community Calendar sections. Notices were posted on the NNMCAB website, Facebook, and Google+ by William Alexander. Flyers advertising the meeting were also posted around northern New Mexico.

Member Travel to EM Conferences: Please read the reports prepared by NNMCAB members who traveled to the Waste Management Symposia and to the Environmental Justice Conference in Washington, D. C. Diahann Cordova and Michael Whiting represented the board at the WM Symposia and Carla Abeyta and Mona Varela attended the Environmental Justice Conference. You may want to visit with these folks for more information on these major EM conferences. All travel logistics were coordinated by Bridget Maestas.

Outreach: The bi-monthly meetings are telecast via public access channels in Santa Fe, Los Alamos, Albuquerque, and Taos and the presentations are posted on YouTube. The NNMCAB also has Facebook and Google+ pages. The Spring Newsletter was prepared by William Alexander and was distributed around northern New Mexico and to the other EM SSABs across the DOE complex.

Important Upcoming Dates:

April 19 - 21, 2016: Spring Chairs' Meeting, hosted by the Oak Ridge Advisory Board

April 27, 2016: Committee meetings at the NNMCAB Office

May 18, 2016: Bi-monthly NNMCAB meeting at the Cities of Gold Conference Center

NNMCAB BI-MONTHLY MEETING SCHEDULE

2016

January 27th

Noon to 1:00—Networking Lunch
1:00 p.m. to 5:00 p.m. Board Meeting

Ohkay Conference Center

68 New Mexico 291
San Juan, NM 87566

March 30th

Noon to 1:00—Networking Lunch
1:00 p.m. to 5:00 p.m. Board Meeting

Sandia Resort

30 Rainbow Road, N.E.
Albuquerque, NM 87113

May 18th

Noon to 1:00—Networking Lunch
1:00 p.m. to 5:00 p.m. Board Meeting

Cities of Gold

10 Cities of Gold Road
Pojoaque, NM 87506

July 27th

Noon to 1:00—Networking Lunch
1:00 p.m. to 5:00 p.m. Board Meeting

Santa Fe Community College

6401 Richards Ave.
Santa Fe, NM 87508

September 28th

Noon to 1:00—Networking Lunch
1:00 p.m. to 5:00 p.m. Board Meeting

New Mexico Highlands

University Campus

Student Union Building

800 National Avenue
Las Vegas, New Mexico 87701

November 15th (Tuesday)

Noon to 1:00—Networking Lunch
1:00 p.m. to 5:00 p.m. Board Meeting

El Monte Sagrado

317 Kit Carson Road
Taos, NM 87571

NNMCAB EXECUTIVE/COMBINED COMMITTEE MEETING SCHEDULE

2016

January 13th

11:30 to 1:30—Executive Committee Meeting

2:00 to 4:00—Combined Committee Meeting

NNMCAB Office

February 10th

11:30 to 1:30—Executive Committee Meeting

2:00 to 4:00—Combined Committee Meeting

NNMCAB Office

March 9th

11:00 to 12:30—Executive Committee Meeting

1:00 to 4:00—Combined Committee Meeting

NNMCAB Office

April 27th

11:00 to 12:30—Executive Committee Meeting

1:00 to 4:00—Combined Committee Meeting

NNMCAB Office

June 15th

11:00 to 12:30—Executive Committee Meeting

1:00 to 4:00—Combined Committee Meeting

NNMCAB Office

August 24th

11:00 to 12:30—Executive Committee Meeting

1:00 to 4:00—Combined Committee Meeting

NNMCAB Office

October 26th

11:00 to 12:30—Executive Committee Meeting

1:00 to 4:00—Combined Committee Meeting

NNMCAB Office

2016 WM Symposia

Report By: Diahann Cordova

March 22, 2016

I would like to thank the DOE and NNM CAB for giving me the opportunity to travel to Phoenix, AZ to attend the 2016 Waste Management Symposia at the Phoenix Convention Center on March 6-10, 2016.

I attended several sessions throughout the duration of the conference that were informative. Many of the presentations that I heard helped me to achieve a better understanding of the wide range of waste management processes and procedures that are in place, not only throughout the USA but throughout the world. I was amazed to see so many people who traveled from several countries to attend this conference.

After having attended the WM Symposia, I have a clearer understanding of how other countries are also dealing with many of the same nuclear waste issues that we are faced with in the USA. I now understand the reason why people in the Nuclear Waste Management field come together from different parts of the world to learn from each other and to share vital information. The UK was the featured country at this year's event, and they presented on many topics throughout the week. The following are the sessions and events that I attended:

Sunday, March 6, 2016

First Time Attendee Orientation & Program Advisory Committee (PAC) Introduction

This was an open session to learn more about WM Symposia, how to volunteer to become a PAC member, and general information was presented about the WM Conference.

Monday, March 7, 2016

Waste Management Symposium 2016 Plenary Session

The Effectiveness of Advisory Board; the US DOE EM Site Specific Experience

This session included presentations on:

1. How the US DOE EM Office Engages the Public on Complex Issues
2. Public Participation at the Savannah River Site Citizen Advisory Board Meetings
3. Oak Ridge Site Specific Advisory Board Adapts to Engage
4. Grassroots Effort to Clarify the High-Level Waste (HLW) Definition
5. Developments of Deep Borehole Disposal Around the World

Monday Keynote Luncheon

The Keynote Speaker was Mr. Yasuharu Igarashi, a senior executive in the nuclear industry in Japan. Mr. Igarashi spoke of the ongoing remediation efforts in Japan since the disaster of the 2011 tsunami that caused heavy damage to their nuclear power station in Fukushima. He spoke of the long-term effects that the tsunami disaster caused, including lingering effects to their environment, agriculture, and fishing industries.

Panel: US DOE – Excess Facilities D&D Implementation Plans

This panel session focused on the US DOE Office of Environmental Management's actions taken in response to the January 2015, Inspector General's Audit Report on the Department of Energy's Management of High Risk Facilities. DOE EM, in collaboration with the National Nuclear Security Administration (NNSA), the Office of Science (OS), and Office of Nuclear Energy (NE) initiated a joint working group to aid in the risk prioritization, life cycle cost analysis and improved disposition planning of excess facilities across the US DOE complex.

Tuesday, March 8, 2016

Panel: Consent Based Siting Opportunities and Challenges for Siting Disposal Facilities

This panel focused on the technical, institutional, as well as broader political issues associated with engaging the public and industry as well as local and State governments regarding the challenges and opportunities related to obtaining public consent for hosting and siting nuclear waste disposal facilities.

Storage and Retrieval of TRU

This session included presentations on:

1. Assessment of Options for the Treatment of Nitrate Salt Wastes at Los Alamos National Laboratory
2. Remote-handled TRU Storage Challenges at Sandia National Laboratory
3. Thermochemical Reactivity Hazards of TRU-Waste Constituents

Honors & Awards Luncheon

This luncheon honored the best presentations from the WM2015 conference, and the 2016 award winners and scholarship recipients.

Addressing the Small Business Barriers in Contracting with the US DOE

This panel focused on the barriers for small businesses in contracting with the US DOE. For FY2016 the DOE has set goals for Small Businesses. Small businesses and Disadvantaged, Woman-Owned, Disadvantaged-Veteran Owned and HUB Zone Prime Contracts are included with ranges set from 3% to 6% for prime contracts and up to 50% for subcontracts. During a declining US federal budget, with less contracting dollars and more going for base prime contractor services, these goals are challenging.

Wednesday, March 9, 2016

International Experience in Community Involvement and Education Initiatives

This session included presentations on:

1. After School Matters program at the Hanford Site
2. Citizen Science: Potential New Opportunity for Consent-Base Siting Processes
3. Individuals Who Build Solutions Across Organizational Boundaries for Environmental Remediation & Nuclear Waste Disposal

Phoenix Art Museum Networking Reception

Thursday, March 10, 2016

Panel: The Richland Operations Office Cleanup Mission at Hanford – Beyond the 2015 Vision

This panel focused on the cleanup mission of the US DOE Richland Operations Office at the Hanford Site in Washington State represents one of the largest and most technically complex environmental remediation projects in the DOE environmental management program. DOE continues to make visible and measurable cleanup progress at Hanford every day, reducing the risks the site poses to the health and safety of workers, the environment, and the people living in the communities surrounding the site. DOE is continuing cleanup activities along the Columbia River and Central Plateau, treating contaminated groundwater, demolishing buildings, remediating waste sites, managing security and aging infrastructure, and demolishing the most hazardous building at Hanford - the Plutonium Finishing Plant. Additional discussion topics include groundwater and soil remediation, sludge retrieval and repackaging and facility D&D.

Innovative Field Monitoring for Environmental Remediation

This session included presentations on:

1. Real-Time Three-Dimensional Electrical Geophysical Monitoring of Processes Associated with Subsurface Remediation
2. Effective Long-term Monitoring Strategies by Integrating Reactive Transport Models and In situ Geochemical Measurements
3. Challenges Conducting a Radiological Site Assessment at a Remote Uranium Mine
4. Refining Groundwater Monitoring Approaches through an Objectives-Driven Process
5. Low-Altitude Unmanned Aerial Vehicles as a Tool for the Remediation of Radiologically Contaminated Environments
6. Monitoring Hexavalent Chromium in the Columbia River Hyporheic Zone
7. Design and Development of an Automated Instrument for Measuring Radioactivity in an Excavator Bucket

NNMCAB,

I am glad to have had the opportunity to attend the 2016 Waste Management Symposia in Phoenix, AZ. During the initial orientation we were told that there were people from 28 different countries that were expected to attend the Symposia, and this diversity was apparent throughout.

I attended the following sessions: 1, 2, 4, 10, 22, 28, 29, 34, 49, 58, 65, 74, 78, 90, 106, 121 and 128. These sessions plus more can be found on the Waste Management Symposia website at <http://www.wmsym.org/>. Overall, I discovered that there were generally two types of sessions; one being a panel of speakers, the other being individual presentations. The panels were open for more broad discussion with their questions and answers, whereas the individual presentation were narrower in discussion. PowerPoint presentations were included with some of the sessions and individual presentations. Throughout the Symposia the presenters had stated that the PowerPoint presentations should be uploaded on their website, but the last I have checked, I have not had any luck finding them.

The goal for this nonprofit organization is to educate. I learned just about as much as I can, given the time frame of four days. I hope that I can take what I have learned and use it to be more of a value on the Northern New Mexico Citizens' Advisory Board.

Respectfully,

Michael Whiting, CAB Member

2016 Environmental Justice Conference

Washington, DC

The 2016 Environment Justice Conference was held March 9th to March 12th in Washington, DC.

The EJ Conference was held jointly with the 9th Annual National Conference on Health Disparities, and most of the focus was on growing healthy food, and urban agriculture. There was discussion regarding the environment and health disparities, and how communities can help in obtaining a healthier environment.

There was a diverse group of attendees; many in the agricultural field, the US Forest Service, the USDA and municipalities and other governmental groups throughout the country, as well as doctors and other professionals.

Topics discussed included:

- Food deserts and how there are Conservation Innovation Grants available for individuals in urban areas wishing to grow food, whether for their own consumption or to sell;
- Soil testing in these areas to ensure that healthy soil is available to grow healthy food;
- During lunch, Keynote Speaker Dr. Valerie Montgomery Rice, spoke of cancer disparities in EJ areas, where clean-up is most needed and how addressing issues and attainable clean-up could result in lower cancer rates, better overall health in poverty stricken communities;
- The EPA's Clean Power Plan. Initially, the Plan will be implemented in three blocks: 1) The goal is to reduce carbon emissions by 32%; 2) use non carbon-emitting power (e.g, nuclear); and 3) to move to renewable energy. Utilities and Coops would receive credit for utilizing the strategies prescribed for attaining these goals. People of color, low-income, and Tribal would also qualify for the Clean Energy Incentive Plan.
- Training to address occupational disparities and EJ and the benefits. The EPA provides, in some urban communities, training for jobs in environmental remediation and construction. In a report entitled: "Minority Worker Training Program: Guidance on How to Achieve Successes and Best Practices," information is contained, addressing workers lacking in crucial technical jobs and how it has trained these workers to clean up their communities. They have a "super fund" which can provide up to \$118 million to clean up contaminated soil.
- There was a very interesting and fun interactive presentation entitled: "Forward to the Future in Relevance: Delivering Programs to New Partners" which focused on innovative and collaborative steps the USDA Forest Service, Rocky Mountain Region, State and private Forestry and Tribal Relations Team is taking to ensure Federal programs and partnerships continue to enhance everyday life through provision and access to clean air, clean water, trees, forests and open space. In this workshop the presenter had participants envision what they wanted for future generations in all the areas in which they are focusing. We broke out into groups and then one member from each groups presented the groups findings, and although there were very slight differences between each group, essentially we all wanted the same quality environment for future generations.
- Dr. David Padgett, Professor at Tennessee State University introduced several on-line research tools to aid in the findings of toxins in our environment. These tools are imperative for environmental/health professionals, community stakeholders and others who are working to investigate environmental health threats in low-income and minority communities. The websites are as follows:
 - EPA.gov – This website hosts a database called EJScreen. The EJ Screen database is a work in progress and is not very user friendly but it does allow the user to research any area based on zip code or as precise as latitude and longitude parameters. Some of the data which can be

extracted are: National-Scale Air Toxics (NATA) Respiratory HI, Lead Paint Indicator and Traffic Proximity just to name a few.

- ArcGIS.com- This website allows one to create and share interactive maps via its users. This is a great tool for individuals who need to share data utilizing various formats and it is cloud based.
- Toxmap-classic.nim.nih.gov – This website allows the user to explore on-site toxic chemical release and hazardous waste sites from the EPA’s Toxic Release inventory (TRI) and the Superfund National Priorities List (NPL).
- Faith and Stewardship- It is imperative that when communities are faced with health and environmental issues that support within the community is strong. There may be instances where local groups need to step in and fill a void that may be left unattended by government and the private sector. Many of these groups are faith-based institutions because they know what their immediate needs are. For instance, Reverend Dr. Earl Trent Jr., Pastor of Florida Avenue Baptist Church was approached by two members of his congregation who happen to be grad students wanted to apply for a grant to install solar panels on the roof at the church. Not only did this effort save the church a 20% reduction in their electrical costs they also started another project where water that settled on the roof was collected and stored. Then later the congregation built a mediation pond in the middle of the city utilizing the water which was collected from the roof for everyone to enjoy. The Reverend stated that we all need to be good stewards “God gives us – we manage it – then give it back to God.”
- Educate, Motivate, Innovate- A group of seniors from two Minority Serving Institutions discussed how they are making a difference in underserved communities. The group went to a community where 80% of its residents were senior citizens. They saw an immediate need for a park so the group with the assistance of the town’s mayor worked to establish a park suitable for the residents. They found that as they were working, members from the community would stop and volunteer in the development. This not only brought unity in the community but it also assisted with health benefits because research shows that by utilizing green space it makes it possible for more leisure time, reduced blood pressure and a better life style.
- Promote Health Equity and Educate- It is important to allocate resources as necessary for each group where the need is great. It was stated that education is the equalizer for medical problems. Statistic shows that individuals who have a higher education are more likely to be healthier. This is because the individuals are able to understand risk and have more knowledge to find resources. For those communities who are in most need it is imperative to get the word out regarding health risks which could affect them and how they can avoid and be better equipped to handle the risks. Educating those who are in high risk areas need to be prioritized so that they have the knowledge to make a difference in their lives and those around them.

Attending the Environmental Justice Conference was interesting and educational, and I believe it is a good resource for future attendance.

Thank you for the opportunity to attend the conference.

Mona Varela

Carla Abeyta

NORTHERN NEW MEXICO CITIZENS' ADVISORY BOARD**Recommendation to the Department of Energy****No. 2016-02****Title: Fiscal Year 2018 Budget Priorities****Drafted by: Carlos Valdez****Background**

The U. S. Department of Energy (DOE), and the New Mexico Environment Department (NMED) entered into a Compliance Order on Consent on March 1, 2005. In this Consent Order (CO), was a blueprint of clean-up activities that needed to be accomplished in and around Los Alamos, as it relates to legacy waste. The Environmental Management (EM) has worked diligently to meet milestones in the CO. However, due to several circumstances beyond the control of Los Alamos National Laboratory (LANL) EM, several clean-up activities remain, and were not completed by deadlines established in the original CO. Some of the reasons, but definitely not all-inclusive include: insufficient funding, operating under Continuing Resolution, Budget Sequestration, and the discovery of unanticipated clean-up areas not included in the CO. DOE and NMED are currently working on establishing a new CO for the remaining clean-up work in and around Los Alamos.

Comments and Observations

The Northern New Mexico Citizens' Advisory Board (NNMCAB) has been given the opportunity, on a yearly basis, to participate in the development of top clean-up priorities for EM-LA. This recommendation is in line with that opportunity and responsibility. The NNM CAB has reviewed clean-up priorities presented on November 12, 2015, and on January 27, 2016, and have determined the following as our input into top clean-up priorities for FY 2018. Public health and safety are our highest priority, therefore, we are hopeful that Congress appropriates full base-line funding necessary for these clean-up efforts. Furthermore, it is our recommendation the following recommendations should be completed concurrently.

Recommendation

1. The DOE, EM-LA should concentrate efforts on resuming and completing the chromium and perchlorate ground water contamination removal as a top priority in 2018.
2. The DOE, EM-LA should maintain safe storage of remediated and un-remediated nitrate salt bearing waste located at TA-54 and at Waste Control Specialists (WCS).
3. The DOE, EM-LA should begin the process of repackaging and prepare to ship all above ground as well as below ground TRU waste.
4. The DOE, EM-LA should concentrate efforts on ground water and surface water remediation, monitoring and reporting in FY 2018 including Royal Demolition Explosives (RDX), chromium and perchlorate plume.
5. The DOE, EM-LA should begin investigations, remediation and reporting of (RDX) in FY 2018.
6. The DOE, EM-LA should seek resolution to Los Alamos waste stored at WCS.
7. The DOE, EM-LA should complete remediation efforts at TA-21 and transfer property back to Los Alamos County.

1 **Intent**

2

3 It is the intent of this recommendation that the NNM CAB have input into developing the budget
4 priorities for the FY 2018, in order to assist in the completion of legacy clean-up work to be included in
5 the newly established Order on Consent. It is also intended to maximize time and effort and taxpayer
6 dollars.

7

8 **References**

9

- 10 1. Executing Legacy Cleanup at LANL, November 12, 2015, Doug Hintze (see minutes of 11/12/15)
11 2. Fiscal Year 2016 Budget, January 27, 2016, Genna Hackett