



Northern New Mexico Citizens' Advisory Board Meeting

September 19, 2007

2:00 p.m. to 8:30 p.m.

Santa Fe Community College, Jemez Complex

6401 Richards Avenue

Santa Fe, New Mexico

ATTENDING:

NNMCAB Members-

J. D. Campbell, Chair

Fran Berting, Vice Chair

Pam Henline, EMSR Committee Chair

Terry Boyle, EMSR Committee Vice Chair

Ralph Phelps, WM Committee Chair

Larry Rapagnani WM Committee Vice Chair

Barbara Gonzales

Robert Gallegos

Gerald Maestas

Donald Dayton

Susan Crutchfield

Mike Loya

NNMCAB Nominees-

George Heindel

Karen Torres

Jane Gaziano

Antonio Lopez

Lucy Foley

Kathleen Hall

Lawrence Longacre

Ken LaGattuta

Joey Jablonski

Bernadette Pesenti-Valdes

Eva Artschwager

Kyo Kim

Richard Lehmann

NNMCAB Excused Absence-

David Church

Mary Pat Kraemer

Also Attending-

Christina Houston, Deputy Designated Federal Officer (DDFO)

Gaeton Falance, Federal Coordinator

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
43
44
45

Guests in Attendance-

1. Bob Gilkeson, Public
2. H. L. Jody Plum, U.S.DOE/CBFO
3. Paul Huber, LANL
4. David Swale, Energy Solutions
5. Colin Austin, Energy Solutions
6. Pajani Joglerar, U.S.EPA/HQ
7. Juan Reyes, EPA/Washington, DC
8. Nick Stone, EPA Region 6
9. Ray Lee, EPA/Washington, DC
10. Chuck Byrum, EPA/Washington, DC
11. Tom Pecke, U.S.EPA/Washington, DC
12. Tom Starke/LANL
13. Roger Liddle, DOE
14. Lorrie Bonds-Lopez, LANS
15. Jose Jerez, Energy Solutions

NNMCAB Staff:

- Menice Santistevan, NNMCAB Executive Director
- Grace Roybal, NNMCAB Office Administrator
- Lorelei Novak, NNMCAB Technical Programs and Outreach
- Eddie Roybal, NNMCAB Sound Technician
- Rosemary Romero, Independent Facilitator



MEETING AGENDA:

- 1
- 2
- 3 I. Call to Order- Christina Houston, DDFO.
- 4 II. Establishment of Quorum:
 - 5 ➤ *Roll Call.*
 - 6 ➤ *Excused Absences.*
- 7 III. Welcome and Introductions- Rosemary Romero.
- 8 IV. Approval of Agenda.
- 9 V. Approval of Minutes of July 25th, 2007.
- 10 VI. Election of Officers Report from 2008 Nominating Committee.
- 11 VII. Board Business / Reports:
 - 12 ➤ *Report from Chair J. D. Campbell*
 - 13 ➤ *Report from DOE Christina Houston*
 - 14 ➤ *Report from Executive Director Menice Santistevan*
- 15 VIII. Old Business
- 16 IX. New Business.
- 17 X. Committee Reports:
 - 18 ➤ *Environmental Monitoring, Surveillance and Remediation*
 - 19 *Committee- Introduction of Recommendation 2007-03*
 - 20 *Introduction of Recommendation 2007-04.*
 - 21 ➤ *Waste Management Committee Update on Spring NNM CAB*
 - 22 *Sponsored Forum.*
 - 23 ➤ *Committee Business: Approval of Final 2008 Committee Work*
 - 24 *Plans.*
- 25 XI. Report from Liaison Members and Comment on Proposed CAB
- 26 Recommendations:
 - 27 ➤ *EPA- Rich Mayer*
 - 28 ➤ *DOE- George Rael*
 - 29 ➤ *LANS- Sue Stiger*
 - 30 ➤ *NMED- James Bearzi*
- 31 XII. Public Comment Period
- 32 XIII. Consideration and Action on Recommendation 2007-03.
- 33 XIV. Consideration and Action on Recommendation 2007-04.
- 34 XV. Presentation on Quarterly Performance Reports on Environmental
- 35 Programs at LANL from George Rael.
- 36 XVI. Presentation on Proposed Responses to the 17 National Academies of
- 37 Sciences' Recommendations Regarding Groundwater Monitoring
- 38 Issues at Los Alamos National Laboratory- George Rael and Sue
- 39 Stiger.

- 1 **XVII. Round Robin: Each member gives input on the Board Meeting and**
2 **Presentation Board Members.**
3 **XVIII. Recap of Meeting: Issuance of Press Releases, Editorials, etc.**
4 **XIX. Adjournment- Christina Houston, DDFO.**
5
-

6
7 **MEETING MINUTES:**
8

9 **I. Call to Order Christina Houston, DDFO.**

10 The regular bi-monthly meeting of the Northern New Mexico Citizens' Advisory Board
11 (NNMCAB or CAB) meeting was held on September 19, 2007 at Santa Fe Community College in
12 Santa Fe, New Mexico. The Chair, J. D. Campbell presided. Rosemary Romero served as the
13 facilitator for the meeting. Christina A. Houston, Deputy Designated Federal Officer (DDFO),
14 stated that on behalf of the Department of Energy (DOE), the regular bi-monthly meeting of
15 the NNMCAB was called to order at 2:00p.m. The regular meeting of the NNMCAB was open to
16 the public and posted in the Federal Register in accordance with The Federal Advisory
17 Committee Act.
18

19 **II. Establishment of Quorum.**

20 **Roll Call- 12 members present.**

21 **Excused Absence- David Church, Mary Pat Kraemer.**

22 Ms. Houston, Deputy Designated Federal Official (DDFO) from the Department of Energy
23 (DOE), declared a quorum with twelve members present at the start of the meeting. David
24 Church, NNMCAB Member, was granted an excused absence for the meeting.
25

26 **III. Welcome and Introductions.**

27 Ms. Houston introduced Rosemary Romero, of Romero Consulting, who was the
28 facilitator for the meeting. Ms. Houston stated that she was excited to see so many new CAB
29 nominees in attendance. She also thanked the veteran CAB members for attending the
30 meeting. She introduced Mr. Gaeton Falance, DOE, as the Federal Coordinator who supported
31 Ms. Houston with her duties as DDFO for the NNMCAB.

32 Ms. Romero asked for introductions from the group at the main table, which included
33 many new CAB member nominees, CAB members, CAB staff, and liaison members. Ms.
34 Romero announced that there was a public comment period scheduled at 6:00p.m.
35

36 **IV. Approval of Agenda.**

37 The Board reviewed the agenda. Ms. Romero asked for a motion to approve the agenda
38 as presented. Dr. Berting made a motion to approve the September 19, 2007 meeting
39 agenda. Mr. Gallegos seconded the motion. The agenda was approved.
40
41
42
43

V. Approval of Minutes of July 25, 2007.

Ms. Romero asked for a motion to approve the July 25, 2007 CAB Meeting minutes. Dr. Campbell made a motion to approve the July 25, 2007 minutes with minor editorial changes noted from Dr. Berting. Mr. Phelps seconded the motion. The minutes were approved.

VI. Election of Officers for Fiscal Year 2008. Slate presented by Nominating Committee.

Slate:

September 2007 NNM CAB Officer Elections. Slate:
Nominations for Chair:
J.D. Campbell
Larry Rapagnani (NOMINATION WITHDRAWN)
Nominations for Vice Chair:
Fran Berting to May 2008, at which time her term ends.
Mary Pat Kraemer to May 2008, at which time her term ends.
Robert Gallegos (NOMINATION WITHDRAWN)
Ralph Phelps

Mr. Rapagnani, Chair of Nominating Committee for the Election of Officers, 2008 provided the Board with the updated slate with modifications noted since the July 2007 CAB Meeting (see above chart.) Printed ballots were handed out to all CAB members present. Ms. Novak counted the ballots and Ms. Houston announced that Dr. Campbell was elected NNM CAB Chair and Dr. Berting was elected Vice Chair through the completion of her term in May of 2008.

VII. Board Business / Reports.

a) Report from Chair J.D. Campbell.

[!\[\]\(8bba887393ca45b761e5cb49e755e762_img.jpg\) View written report online](#)

Dr. Campbell reported on the activities of the Chair since the Last Board Meeting on July 25, 2007. His report and meeting discussion are summarized below:

Dr. Campbell chaired Executive Committee meetings on August 22, 2007 and September 5, 2007.

- Developed Agenda for meeting with George Rael & Susan Stiger August 27, 2007.
- Confirmed Date for MDA-G Forum-- Wednesday, April 16, 2008
- DDFO authorized 2 Executive Committee members to attend Intergovernmental meeting in Salt Lake City-- October 16-18, 2007.
- Approved Agenda for September 19, 2007 Board meeting.

- 1 ➤ Considered DOE responses to CAB Recommendations for 2007.
2

3 Dr. Campbell attended the EMSR and WM Committee meetings held in August and
4 September 2007.

5 Dr. Campbell presented information on NNM CAB status and activities, Top 3 Issues for
6 the NNM CAB and discussed plans for MDA-G public forum in April 2008 to the Environmental
7 Management Advisory Board (EMAB) meeting held in Santa Fe on September 13, 2007.

8 Dr. Campbell attended a meeting with Mat Johansen (DOE), Susan Stiger (LANL).

- 9 ➤ Discussed new Top 3 Issues for NNM CAB and obtained input from Mat regarding
10 limited GW monitoring of impacted screens.
11 ➤ Requested DOE Responses to 14 NNM CAB Recommendations on Baseline Change
12 Proposal.
13 ➤ Proposed meeting with Alice Williams, NNSA, regarding Long-term Stewardship
14 integration with LANL remediation program.
15 ➤ Discussed Recommendation for expert Groundwater Panel for groundwater issues
16 at LANL
17 ➤ FY 08 Budget status - likely continuing resolution for months.
18 ➤ Discussed soil moisture measurements in vadose zone using tensiometers - used
19 at all other DOE facilities except LANL.
20 ➤ Discussed potential organization of Local Governments Group to advise LANL on
21 environmental cleanup.

22 Dr. Campbell attended the 2007 Unsaturated Zone Interest Group Meeting by USGS in
23 Los Alamos August 27-30, 2007 as a participant. Discussed:

- 24 ➤ Opportunity for use of advanced tensiometer at LANL to measure changes in soil
25 moisture potential with Joel Hubbell of Idaho National Lab (INL) - Hubbel
26 reported rapid changes (within weeks) in soil moisture potential (soil capillary
27 suction pressure) at depths of 200 feet after period of increased rainfall at INL.
28 Subsurface conditions described similar to those at MDA-G.
29 ➤ Read paper and heard video presentation by Dr. Bin Gao, University of Florida,
30 showing rapid soil colloid movement in soil moisture capillary zones following
31 small increases in soil moisture. Soil colloids may sorb and transport
32 contaminants including radionuclides.
33 ➤ Observed 42 technical presentations and poster presentations and field trip of
34 LANL unsaturated zone geology during conference.

35 Dr. Campbell participated in Conference Calls:

- 36 ➤ SSAB Chairs Conference Call on July 26, 2007.
37 ➤ SSAB Organizing Committee Call on September 13, 2007 for fall 2007 SSAB
38 meeting in Paducah.

39 Dr. Campbell helped to plan the following activities and events:

- 40 ➤ NNM CAB Public Participation Programs in 2008.
41 ➤ Developed plan for presentation on closure alternatives for MDA G
42 ➤ SSAB Chair's Meeting in Paducah September 26 to 28, 2007.
43 ➤ LANL development of unsaturated zone soil moisture measurement techniques
44 using tensiometer.
45
46

1 **c) Report from Department of Energy Deputy Designated Federal Officer.**

2 Ms. Houston provided a verbal report to the Board. She stated that DOE responses to
3 the CAB's current set of recommendations were completed and will be sent to the Board
4 shortly. Ms. Houston relayed that Mr. Rael has asked the board to take a look at the
5 responses.

6
7 **d) Report from Executive Director Menice Santistevan.**

8 [!\[\]\(9dfdaff1d86ba3c1f8353b4d1b61b8c5_img.jpg\) View written report online](#)

9 Ms. Santistevan provided a written report for the Board. Her report is summarized as
10 follows:

11 **Board Membership:**

12 Recruitment efforts over the summer have been successful! We have doubled the
13 membership of the Board and now have 15 members and 14 nominees. Headquarters has
14 approved this number because some members' terms will expire in April. Since appointment
15 is such an involved process, Melissa Nielson has limited the number of nomination packets to
16 be forwarded to Headquarters twice a year. She has approved this number of Board Members
17 through April 2008. The packet must be completed and forwarded through DOE to the Site
18 Manager for signature and then to Dr. Inez Triay, DOE EM Chief Operating Officer.

19 **Executive Committee Meetings:**

20 The Committee met on August 22, 2007 and on September 5, 2007. The committee
21 heard reports from the Chair, Committee Chairs, DDFO and the Executive Director. The
22 committee finalized the agenda for this meeting and reviewed the agenda for the fall EMAB
23 Meeting. The committee also discussed recruitment, draft recommendations, the 2008
24 NNM CAB Retreat. The committee chairs reported on progress in completing '07 Work Plans
25 and on planning the '08 Work Plans. Executive Committee met with Mat Johansen and Susan
26 Stiger in Los Alamos on August 29, 2007. The committee also discussed the CAB's role in
27 planning a public forum or other public outreach effort regarding closure alternatives for
28 Material Disposal Area G.

29 **Office Management:**

30 The staff supported all committee and board meetings with preparation of notices,
31 agendas and committee and board minutes. Ms. Novak updated the NNM CAB public web site
32 and the CAB member's site. The member site has the capacity for members to conduct
33 research, view documents and write recommendations more efficiently. She stated that Ms.
34 Novak did an outstanding job and the staff hoped the members would take advantage of all of
35 the information that was available on this site. The Summer Newsletter was presently being
36 reviewed by the DDFO.

37 **SSAB Chairs' Meeting:**

38 The fall SSAB Chairs' meeting will be hosted by the Paducah CAB on September 26 and
39 27, 2007. J. D. Campbell, Fran Berting, Lorelei Novak and Menice Santistevan planned to
40 attend.

41 **Fall EMAB Meeting:**

42 The Environmental Management Advisory Board toured WIPP on September 10, 2007
43 and held its fall meeting in Santa Fe on September 13 and toured LANL on September 14.
44 J.D. Campbell gave a presentation on NNM CAB issues and George Rael gave a presentation on
45 LANL clean-up. The ATA staff served as staff support for this meeting. It was estimated that

1 ATA Services Staff spent a combined total of 110 hours planning, organizing and staffing this
2 meeting.

3 **Next Board Meeting:**

4 Ms. Santistevan announced that the next Board meeting will be held on November 28th,
5 2007 at the Santa Fe Community College, Jemez Rooms.
6

7 **VIII. Old Business.**

8 There was no old business brought up by the membership during this segment.
9

10 **IX. Committee Reports.**

11 ➤ **Environmental Monitoring, Surveillance and Remediation Committee**
12 **Report.**

13 [!\[\]\(e8fb589d58dad1692debababa5e928b6_img.jpg\) View written report online](#)

14 Ms. Henline acted as the reporting member for the EMSR Committee. She reported on
15 the activities of the committee since the last CAB meeting.

16 August 22, 2007 EMSR meeting:

- 17  Reviewed and approved the assessment of EMSR accomplishments so far in FY07.
- 18  Reviewed the FY'08 Work Plan and added an item to follow up in the
19 Recommendations of the National Academies of Sciences Report, "Plans and
20 Practices for Groundwater Protection at the Los Alamos National Laboratory," Final
21 Report 2007.
- 22  Reviewed the Top Three CAB issues to be presented at Paducah SSAB.
- 23  Reviewed draft Recommendation 2007-03 concerning formation of a Groundwater
24 Panel.
- 25  Short discussion of the Executive Summary section of the latest Environment
26 Surveillance Report. Members tasked to read the 25 pages of the Executive
27 Summary and give feedback to Lorrie Bonds Lopez, LANL Environmental Programs.
28 The committee members provided comments during the following week.

29 September 5, 2007 EMSR meeting:

30 This was a joint meeting of the EMSR and Waste Management Committees.

- 31  Approved EMSR FY'08 Work Plan.
- 32  Elected Committee officers: Pam Henline, Chair, Terry Boyle, Vice Chair.
- 33  Discussed changes in FY'08 Work Plan and committee members approved work plan.
- 34  Jean Dewart, LANL, presented information about Watershed Integration. Ms.
35 Dewart's PowerPoint presentation was numbered, "LA-UR-07-6010."
36

37 ➤ **Introduction of Draft Recommendation 2007-03, "Groundwater Panel**
38 **for LANL."**

39 Ms. Henline introduced draft Recommendation 2007-03 authored by the EMSR
40 Committee. Draft 2007-03 recommended:

- 41 1. The DOE retain a Groundwater Panel for LANL consisting of national experts in multiple
42 disciplines including geology, hydrogeology, engineering, geochemistry, analytical
43 modeling, and groundwater policy issues to assist and advise the LANL groundwater
44 team.

- 1 2. The DOE retain a Groundwater Panel for LANL throughout the implementation of the
2 Consent Order to periodically provide assistance and advice to the LANL groundwater
3 team.
4 3. The DOE seek the advice of the Groundwater Panel to add new or additional members
5 with specialized expertise to the Groundwater Panel as issues or needs develop over
6 time.

7 The members and nominees discussed the draft recommendation, which was
8 paraphrased below.

- 9 ➤ *Concept is good but recommendation should be extremely carefully worded. Panel should aid and
10 not hinder LANL i.e.: have value added - Ralph Phelps*
11 ➤ *Suggestion to defer discussion until the Board heard from NMED and wanted to hear how the Lab
12 planned to respond to the National Academies of Sciences (NAS) Report "Plans and Practices for
13 Groundwater Protection at the Los Alamos National Laboratory," (2007). Also, suggested it would
14 be better to state our concerns about the deficiencies of the LANL program and monitor to see if
15 LANL decided to develop their own panel or not.- Larry Rapagnani*
16 ➤ *The main point of this recommendation was to get additional independent expertise for LANL.
17 There was a need for this panel; the Lab does need additional expertise. Referenced the 17
18 recommendations listed in the NAS Report, which referenced the need for more independent peer
19 review of the program.- J. D. Campbell*
20 ➤ *This recommendation did not state that LANL was not doing good work, but as for any 'high level
21 endeavor' such as major groundwater monitoring program extra help may be needed to fill the
22 gaps.- Fran Berting*
23 ➤ *The panel should report to "something higher"—could publish recommendations to the Los Alamos
24 Site Office of the DOE and publicly publish as well.- Terry Boyle*
25 ➤ *The LANL employees are not separated from the outside world. They have consulted with other
26 experts and published in scientific journals.- Gerry Maestas*
27 ➤ *As a group this Board must stand together. If one has a job at stake you will defend it—therefore,
28 we must all stand by the words in the recommendations. The Board was here to take the public's
29 interest at heart.- Barbara Gonzales*

30 **☞ Motion:**

31 In support of getting the recommended panel's findings publicly available, Dr.
32 Berting made a motion that the Board consider incorporating an additional
33 recommendation into the text of draft 2007-03 with the following wording:

34 **"#4. In an effort to improve public understanding and confidence in the
35 groundwater monitoring program at LANL, the NNM CAB recommends that the
36 Groundwater Panel make some of its meetings open to the public and all its
37 comments open to the public."**

38 **☞ Second:**

39 Dr. Berting's motion was seconded by Ms. Henline.

40 **☞ All in favor:**

41 The motion passed. Draft Recommendation 2007-03, "Groundwater Panel for
42 LANL" would be taken up for final consideration and action later in the agenda.

- 43
44 ➤ **Introduction of Draft Recommendation 2007-04, "Quantify Vadose Zone
45 Soil Water Potential Changes and Evaluate Colloidal Particle Transport
46 Beneath Waste Facilities at LANL"**

47 Ms. Henline introduced draft Recommendation 2007-04 authored by the EMSR
48 Committee. Draft 2007-04 recommended:
49