



Northern New Mexico Citizens' Advisory Board Meeting

January 28, 2009

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

Holiday Inn Santa Fe

4048 Cerrillos Road

Santa Fe, New Mexico

MINUTES

In Attendance:

NNMCAB Members-

1. J.D Campbell, NNM CAB Chair
2. Ralph Phelps, NNM CAB Vice Chair
3. Gerry Maestas, WM Committee Chair
4. Peter Baston
5. Donald Dayton
6. Robert Gallegos
7. Jane Gaziano
8. Kathleen Hall
9. George Heindel
10. Kyo Kim
11. Ken LaGattuta
12. Lawrence Longacre
13. Caroline Mason
14. Patricia Medvick
15. Robert Villarreal

Excused Absences-

1. Mike Loya, EMSR Committee Chair
2. Pam Henline, EMSR Committee Vice Chair

Absent-

1. Joseph Mark Chavarria
2. Karen Torres

Also in Attendance-

Jeffrey Casalina, Deputy Designated Federal Official (DDFO)

NNMCAB Staff-

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

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Guests in Attendance-

- 1. Paul Huber, LANS
- 2. Neil Weber, San Ildefonso Pueblo
- 3. Lorrie Bonds-Lopez, LANS
- 4. Nancy Werdel, LASO
- 5. Danny Katzman, LANL
- 6. Lee Bishop, LASO
- 7. Todd Huaganstad, LANL
- 8. Edward Mignardot, DOE
- 9. Danny Peden, Public
- 10. Earle Dixon, NMED

MEETING AGENDA:

- I. Call to Order- Jeffrey Casalina, DDFO.
- II. Establishment of Quorum- (10 needed)
 - a. Roll Call- 15 members
 - b. Excused Absence- Pam Henline, Mike Loya
- III. Welcome and Introductions.
- IV. Approval of Agenda.
- V. Approval of Minutes of November 19, 2008.
- VI. Old Business.
 - a. Written Reports
 - 1. Chair
 - 2. Executive Director
 - 3. Committee Reports
 - b. Open Discussion from Board Members
 - c. Appoint Ad Hoc Committee on FY'11 DOE EM Budget
 - d. Appoint Ad Hoc Committee on Public Outreach
- VII. New Business.
 - a. Top Three Issues and NNM CAB Accomplishment for SSAB Chairs Meeting
 - b. Consideration and Action on SSAB Chairs Letter
- VIII. Recommendations
 - a. Introduction of Recommendation 2009-01
 - b. Discussion of Recommendation 2009-02
- IX. Update on Natural Resource Damage Assessment and Trustee Council Progress, Nancy Werdel

- 1 X. LASO Presentation on DOE/LANL Implementation of NNM CAB
 - 2 Recommendations, Jeff Casalina
 - 3 XI. Presentation on Well Network Analysis and Characterization of
 - 4 Groundwater at Site, Danny Katzman
 - 5 a. Identification of Planned New Wells with Approximate Schedule
 - 6 for Drilling
 - 7 b. Data Quality Objectives for Wells (presented in tables)
 - 8 XII. Adjournment- Jeffrey Casalina, DDFO.
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12 **MEETING MINUTES:**

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14 **I. Call to Order.**

15 The regular bi-monthly meeting of the Northern New Mexico Citizens' Advisory Board
16 (NNM CAB or CAB) meeting was held on January 28, 2009 at the Holiday Inn, Santa Fe, New
17 Mexico. The Chair, Dr. J. D. Campbell presided. Mr. Jeffrey Casalina, Deputy Designated
18 Federal Officer (DDFO) stated that on behalf of the Department of Energy (DOE), the regular
19 bi-monthly meeting of the NNM CAB was called to order at 2:00 p.m. The regular meeting of
20 the NNM CAB was open to the public and posted in *The Federal Register* in accordance with
21 *The Federal Advisory Committee Act*.

22
23 **II. Establishment of Quorum.**

24 **Roll Call- 15 members present.**

25 Ms. Lorelei Novak conducted roll call and announced a quorum with 15 members
26 present at the meeting. Mr. Casalina had previously approved excused absences for Ms. Pam
27 Henline and Mr. Mike Loya.

28
29 **III. Welcome and Introductions.**

30 Dr. Campbell opened the meeting with remarks. He stated that members would be
31 recognized in order when making comments or asking questions. He asked the members to
32 use the microphones when speaking. Dr. Campbell welcomed new member, Mr. Robert
33 Villarreal to his first CAB meeting. Mr. Villarreal introduced himself to the Board. He retired
34 after 45 years with the DOE where he worked primarily on helping to get the Transuranic
35 Waste (TRU) out of the Los Alamos site. Dr. Campbell also introduced Mr. Lee Bishop,
36 DOE/LASO, who sat in for Mr. George Rael, DOE/LASO. Mr. Bishop described his background
37 briefly. He came from the Yucca Mountain Project where he worked with High Level Waste
38 issues. Dr. Campbell asked Ms. Lorrie Bonds-Lopez to introduce herself to the group. She
39 stated she works for Environmental Programs at LANL where she works for the LANL
40 Environmental Outreach Program.

41 Dr. Campbell discussed some recent accomplishments of the CAB. He announced the
42 successful in-house production and distribution of the Boards' semi-annual newsletter. He

1 stated the CAB's website was up to date, the Board was running smoothly utilizing modern
2 practices and organization to which he thanked the ATA Staff members. Additionally, the
3 Boards' recent annual Internal Evaluation was submitted on time last December to the DOE.
4 He announced the Board meetings would now be held at the Holiday Inn Santa Fe. Travel
5 reimbursement would be provided to the membership and he asked the group to submit
6 Mileage Reimbursement Forms to Mrs. Roybal.

7 Dr. Campbell informed the Board that this was his last year as Chair of the Board. This
8 year, during the transition period, he reminded folks to step forward and consider running for
9 the Chair's position.

10
11 **IV. Approval of Agenda.**

12 The Board reviewed the agenda. The following changes or announcements regarding
13 the agenda were made:

- 14 ➤ Notation for minutes: written reports were included in the mailed meeting
15 packets. To save time, the reports were not being given verbally; specific
16 questions could be brought up in new business.
- 17 ➤ Board Approval of SSAB Chairs Letter to EM1.

18
19 **Action: Dr. Campbell asked for a motion to approve the agenda, as amended. Mr. Ralph
20 Phelps made a motion to approve the January 28, 2009 meeting agenda, as amended. Ms.
21 Kathleen Hall seconded the motion. The amended agenda was approved as amended.**

22
23 **V. Review of Minutes from November 19, 2008.**

24 The Board reviewed the minutes from the November 19, 2008 CAB meeting. By
25 previous instruction from DOE Headquarters, the minutes were reviewed and certified by the
26 NNM CAB Chair. The copy of the minutes placed before the Board for approval had been
27 previously amended by the request of Mr. Ken LaGattuta who asked that the second
28 paragraph of his statement, noted in the attachments section, be removed. Also, Mr. Gerry
29 Maestas had asked to have a sentence included in his open discussion remarks. Ms. Novak
30 previously made both changes to the minutes. Ms. Jane Gaziano thanked Ms. Novak for
31 capturing all of Mr. James Bearzi's comments from the last CAB meeting.

32
33 **Action: Dr. Campbell asked for a motion to approve the minutes as amended. Mr. Phelps
34 made a motion to approve the November 19, 2008 Minutes. Mr. Robert Gallegos seconded
35 the motion. The certified minutes were approved as presented.**

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38 **VI. Old Business.**

- 39
40 a. **Written reports from the Chair, Executive Director of the Board,
41 and the EMSR and WM Committee Chairs were submitted. The
42 reports were included as paper copies in the Board meeting
43 packets.**

1 – Report from Chair, J.D. Campbell:

2 ☞ [View Chair's written report online](#)

3 A printed copy of Dr. Campbell's report can be requested from the CAB office at
4 (505) 989-1662 or [via email](#). Dr. Campbell reviewed his written report for the Board and
5 answered questions from the Board members. There was no additional discussion of the
6 Chair's report.

7
8 – Report from Executive Director, Menice Santistevan:

9 ☞ [View Executive Director's written report online](#)

10 A printed copy of Ms. Santistevan's report can be requested from the CAB office at
11 (505) 989-1662 or [via email](#). Ms. Santistevan briefly highlighted the major points of her report
12 for the Board. She announced the next Board meeting was scheduled for March 25, 2009 at
13 the Holiday Inn, Santa Fe.

14
15 Discussion regarding Executive Director's Report:

16 Mr. Gallegos wanted to thank Mr. Don Dayton for his service on the Board. He was
17 sorry to hear Mr. Dayton was leaving the Board. Mr. Dayton stated his regrets but he was
18 currently involved in a number of activities and could not give the Board enough time. He
19 thanked Mr. Gallegos for agreeing to submit his re-appointment application.

20 Ms. Hall asked about Board reappointments. Ms. Santistevan stated there are five
21 expiring first term appointments, four have been submitted for another two-year appointment
22 and Mr. Dayton has not requested reappointment. Mr. Casalina signed off on a detailed re-
23 appointment package, which would now be sent to the DOE for approval.

24
25 – Waste Management Committee Report:

26 ☞ [View WM Committee Chair's report online](#)

27 Mr. Maestas, WM Committee Chair, acted as the reporting member for the WM
28 Committee. A printed copy of Mr. Maestas report can be requested from the CAB office at
29 (505) 989-1662 or [via email](#).

30
31 – Environmental Monitoring, Surveillance and Remediation Committee
32 Report.

33 ☞ [View EMSR Committee Chair's written report online](#)

34 Mr. Loya has an excused absence. His written report was included in the packet. A
35 printed copy of Mr. Loya's report can be requested from the CAB office at (505) 989-1662 [or](#)
36 [via email](#).

37
38 **b. Open Discussion from Board Members**

39 The Board held an open discussion. A summary of the discussion has been noted by
40 topic below:

41
42 Topic: Board Emails and Blogs-

43 Ms. Gaziano brought up the subject of excessive emailing. She said it was she who had
44 made the complaint about receiving so many emails from Board members, which she thought

1 was excessive use of the "reply to all" button. Dr. Campbell discussed the administrative
2 procedure on email reminded everyone to read the procedure. Mr. LaGattuta thought some
3 of the email traffic was due to the discussion of draft recommendations. Ms Mason agreed
4 there are too many emails and she thought they needed to be shortened considerably. Dr.
5 Campbell asked if the blogs are of use to the members. Mr. George Heindel replied that the
6 blogs are usable but not as convenient to use as email. Mr. Peter Baston stated he was one of
7 the more guilty regarding emailing a lot and agreed that there was more than one-way to
8 communicate, such as the Board's blogs and the telephone. The Board could look at the
9 communication systems and suggest ways of keeping communications succinct.

10
11 Topic: Site Specific Advisory Board (SSAB) Chairs Information- "Energy Parks"

12 Mr. Ralph Phelps brought up a topic discussed during the last SSAB chairs conference
13 call regarding a revitalization-funding package at DOE. An exciting project for DOE, he
14 explained these "energy parks" use the footprint of already environmentally cleaned sites to
15 be used as sites to generate alternative energy such as wind. He thought that perhaps the
16 CAB could help the DOE at the Los Alamos site. Dr. Campbell explained there could be a
17 stimulus grant for footprint reduction. Mr. Robert Villarreal stated that there were some
18 problems surrounding the reduction of footprint/energy parks idea. For example, he stated
19 problems could arise in deciding to turn this land over and to whom. Perhaps, he stated,
20 once transferred someone might dig a hole in an area that was active then the DOE might be
21 held liable. He thought the proposition might be viable at some sites and where there was no
22 future digging involved. Dr. Campbell expected this to be a joint powers agreement where
23 ultimately the DOE would retain responsibility. Mr. LaGattuta thought the energy parks were
24 a good idea but to his knowledge, there was little clean up finished to the point of being
25 viable for consideration at Los Alamos. Mr. Phelps responded he knew of two possible sites at
26 Los Alamos, one is a garbage area near the town site, and the second is Technical Area 21
27 (TA-21). Mr. Baston thought there could be many opportunities but that the current
28 databases would not give one enough evidence. Mr. Heindel wanted to bring the idea of using
29 intended Risk Based End States (RBES) into the discussion.

30
31
32 **c. Ad Hoc Committee on FY'11 DOE EM Budget**

33 Dr. Campbell discussed Environmental Management (EM) budget status; he understood
34 guidance would come from LASO and stated the CAB would like to see this guidance when
35 available. Dr. Campbell asked about a response to the Board's letter to Mr. Donald Winchell,
36 DOE/LASO dated March 19, 2009 regarding CAB input on the FY'10 budget. It was his
37 understanding that Mr. George Rael, DOE/LASO, agreed to write a letter in reply to the CAB's
38 letter. Mr. Lee Bishop, DOE, stated he would work with Mr. Casalina, DDFO, to look for that
39 response.

40 Ms. Hall commented that the federal budget would operate on a continuing resolution
41 through at least March 2009 and possibly through the fiscal year, which would mean they
42 would focus their comments on a FY'11 budget.

43 Mr. Villarreal asked who was going to fund the analytical work for the hard sites like
44 Technical Area-49 (TA-49) and TA-53. He commented that these tough issues become an
45 important area when budgets are drafted. Dr. Campbell reviewed the Board's
46 recommendation function and he agreed that Mr. Villarreal's concern would be a strong part

1 of future CAB recommendation ideas. Dr. Campbell charged the Ad Hoc Committee to work
2 towards a March 25 deadline for ideas regarding budget recommendations. Dr. Campbell
3 agreed to work with the volunteers.

4 Dr. Campbell then asked for volunteers to serve on the Ad Hoc Committee for the
5 FY'11 Budget Review. The following members volunteered:

- 6 LEAD/CHAIR: Kathleen Hall
- 7 Peter Baston
- 8 Don Dayton
- 9 Robert Villarreal

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11 **d. Ad Hoc Committee on Public Outreach**

12 Dr. Campbell called for volunteers to serve on an Ad Hoc Committee for Public
13 Outreach. Dr. Campbell asked the Ad Hoc Committee to consider drafting a new 2-Year
14 Public Participation Plan for the Board. The following members volunteered:

- 15 LEAD/CHAIR: Pete Baston
- 16 Lawrence Longacre
- 17 Don Dayton

18 Lorelei Novak as CAB staff support, included in emails and meetings

19 Gerry Maestas asked to be included in the email communications for the committee.

20

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22 **VII. New Business.**

23 **a. Top Three Issues and NNM CAB Accomplishment for SSAB Chairs**
24 **Meeting**

25 The CAB should submit its Top Three Issues and One Accomplishment by February 27,
26 2009 for the next SSAB Chair's meeting. Dr. Campbell asked the Board to consider the last
27 three issues as a starting point and opened up the issues for modification and discussion. Mr.
28 Phelps recommended keeping the same top three issues. Several members worked on
29 finalizing the Board's "Top Three Issues and One Accomplishment" during the dinner break.
30 The group presented the following final draft Top Issues and Accomplishment for Board review
31 and approval: (See PowerPoint Slide on next page.)



NNMCAB

Top Three Issues January 2009

- Issue #1: DOE to provide full funding for implementation of the EM/LANS certified Baseline, to meet the clean-up schedule of the New Mexico Order on Consent.
- Issue #2: Continue installing new Groundwater Monitoring Wells using best practices with the objective of providing reliable measurement of Chemicals of Concern (COC).
- Issue #3: Increase Transuranic (TRU) waste shipments to Waste Isolation Pilot Plant (WIPP) – on critical path for Consent Order.
- **NNMCAB Accomplishment:** The NNM CAB's work in 2008, especially our recommendations, has been beneficial to the DOE per feedback from the Deputy Designated Federal Officer (DDFO) and the Assistant Manager for Environmental Operations, Mr. George Rael.

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2 Motion: Mr. George Heindel moved for approval of the issues and accomplishment as
3 drafted. Mr. Baston seconded the motion. The Top Issues were approved for submission.
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6 b. Consideration and Action on SSAB Chairs' Letter to the new EM1
7 Dr. Campbell asked the Board to approve a Site Specific Advisory Board Chairs letter
8 written at the last semi-annual meeting in September 2008. The Chairs held the letter
9 through the transition but now they are asking for approval from each of the Boards. Dr.
10 Campbell called for a motion to approve this letter (with no changes) for his signature.
11

12 Motion: Mr. Baston moved to adopt letter as written. Mr. Dayton seconded the motion.
13 The letter was unanimously approved for submission with Dr. Campbell's signature.
14

VIII. Introduction and Action on Recommendations to the DOE.

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16 The Board took up the business of introducing and acting upon the following
17 recommendations.
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- 19 a. Recommendation 2009-01 (Approved for Submission to DOE)

1 b. Recommendation 2009-02 (Introduction Only)

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4 a. Recommendation 2009-01

5 *No. 2009-01 makes recommendations for improved description of data in the next*
6 *Environmental Surveillance Report. The recommendation was drafted by the Environmental*
7 *Monitoring, Remediation and Surveillance Committee of the NNM CAB.*

8
9 *Comments and Observations made in the recommendation:*

10 *“Especially for the ESR, the NNM CAB believes that it is generally best to describe contaminant*
11 *concentration data lying above established background, a federal or state standard or an*
12 *established screening level with the same linguistic precision as data falling below the same*
13 *standard. Failure to do so can be perceived by the public as an attempt by LANL to conceal*
14 *the significance of its own data.*

15 *Recommendation:*

16 *The NNM CAB recommends that DOE and LANL work to improve the uniformity of description in*
17 *the Environmental Surveillance Report for 2008. Description of data lying above established*
18 *background, a federal or state standard or an established screening level should occur with*
19 *the same linguistic precision as data falling below that standard.*

20 *Intent of the recommendation:*

21 *The intent of this recommendation is to aid the DOE and LANL in their efforts to keep the*
22 *general public fully informed of the ongoing clean up.”*

23 *(Complete text of the recommendation can be viewed on the CAB’s website at*
24 www.nnmcab.org *or a paper copy can be requested from the CAB office at: 6505-989-1662.)*

25
26 Mr. LaGattuta introduced the final draft of Recommendation 2009-01. He explained
27 the recommendation had been through many good edits, yet he believed the text was still
28 exact in its intent. The Board members discussed the recommendation. Ms. Hall commented
29 that the email reworking has been positive and she endorsed the draft. Mr. Gallegos
30 questioned the use of specific measurements in the recommendation’s wording. Mr.
31 LaGattuta agreed to strike line 17 where specific data measurements were mentioned. There
32 were no more objections stated to the draft as amended.
33

34 **Vote: Motion: Mr. Baston made a motion to adopt NNM CAB Recommendation 2009-01. Ms.**
35 **Hall seconded the motion.**

36 **Recommendation 2009-01 was unanimously approved for submission to the DOE.**

37
38 **Action: Recommendation 2009-01 was approved for submission to the DOE.**

39
40 b. Draft Recommendation 2009-02

41 *Draft Recommendation 2009-02 was drafted by the Environmental Monitoring,*
42 *Remediation and Surveillance Committee of the NNM CAB. In summary, No. 2009-02 makes a*
43 *recommendation to verify and validate the Data Qualification Module and to expedite its*
44 *inclusion in the Water Quality Data Base. The intent of this recommendation is to aid the DOE*
45 *and LANS in their efforts to keep the public fully informed about local water quality issues in*
46 *order to have the most reliable data to use for analysis and evaluation of cleanup. The*
47 *recommendation was introduced at the meeting but no action was taken. A suggestion was*
48 *made to write out all the acronyms used in the draft. Additional suggestions were made for*

1 clarification and wording. The author, Mr. LaGattuta agreed to take the suggestions for edits
2 back for reworking, with assistance from Ms. Henline.

3 Ms. Werdel wanted to clarify that the Water Quality Database WQD was no longer
4 available to the general public. To access the usefulness of the Data Quality Module (DQM)
5 the CAB needed to be able to access it in a forum that was familiar, a forum that had a
6 complete Quality Assurance (QA) formulation such as the WQD, stated Mr. LaGattuta. Mr.
7 LaGattuta believed that access to that database should be restored to the public, even for a
8 limited amount of time, so that the CAB could make use of the WQD to assess the DQM. Dr.
9 Campbell stated that the DQM was based in part on the Well Screen Analysis Report (WSAR)
10 and that was what the CAB has asked the EPA Kerr Laboratory to review. The CAB asked the
11 EPA Kerr Laboratory to evaluate what remaining uncertainties there were in the data from
12 the WSAR. The Kerr Laboratory was scheduled to present to the CAB on April 8 with the Kerr
13 Laboratory report to be available slightly earlier for advance review. Dr. Campbell stated the
14 report may have some relevant insights with regards to draft Recommendation 2009-02.

15 Mr. Paul Huber, LANS, explained that the DQM was principally software that the Lab
16 used interactively in a tiered process to validate data. The data that was used in the module
17 has been through an independent Validation and Verification process as a first tier, and as a
18 second tier the data was reviewed by the 'data owners' who also reviewed the first tier
19 assessment. On some occasions, Mr. Huber explained, data went through a third level of
20 verification, which was a focused look at certain sets of data. For example, the data that the
21 Lab had received from the wells that had been impacted by drilling fluids underwent this
22 third validation step and were flagged accordingly for the data user. The DQM was a specific
23 automated software tool that had been devised by the Lab to help deal with this data.

24 Mr. Maestas asked why the WQD was removed from public access. Ms. Werdel stated
25 the answer to Mr. Maestas question was twofold:

- 26 1. The WQD was taken offline to the general public because it was decided that all data
27 was to be located in one place, which was RACER, and that was a New Mexico
28 Environment Department (NMED) decision.
- 29 2. NMED made the decision that the qualifiers that are in the database, the qualifiers Mr.
30 Huber discussed above, do not go in RACER because it was an analysis of data and not
31 an official Lab qualifier.

32
33 **Action: Discussion served as introduction only, this recommendation would be placed**
34 **before the Board for action at the March 25, 2009 CAB meeting.**
35

36
37 **IX. Update on Natural Resource Damage Assessment and Trustee Council**
38 **Progress**

39 Ms. Nancy Werdel, Project Manager for Environmental Operations, DOE/LANL provided
40 the Board with a subject matter presentation, "Update on Natural Resource Damage
41 Assessment (NRDA) and Trustee Council Progress," PowerPoint Presentation Identification
42 Number: LA-UR-09-0456. Ms. Werdel introduced Mr. Neil Weber who was from the
43 Environment Department of San Ildefonso Pueblo and a member of the NRDA Trustee Council.
44 She also introduced Todd Huaganstad who works at LANS and a primary contact for the NRDA
45 Program. Ms. Werdel's presentation included a Natural Resources Damages Assessment
46 (NRDA) overview, a description of the NRDA Framework, an outline of the approach to NRDA

1 at LANL and the status of the site wide program at LANL. The presentation concluded with
2 the program plan path forward. An outline of the NRDA process explained in Ms. Werdel's
3 presentation can be found below:

- 4 1. Pre-assessment Screen (PAS).
- 5 2. Investigate if the criteria were met.
- 6 3. Conduct a preliminary estimate of damages.
- 7 4. Develop an assessment plan.
- 8 5. Conduct a full assessment.
- 9 6. Complete a report of assessment.
- 10 7. If appropriate, issue an award of damages.

11 A copy of Ms. Werdel's PowerPoint Presentation can be requested from the CAB
12 office. Ms. Werdel fielded questions from Board members.

13 More information on the CERCLA and the NRDA Process can be found at the following
14 locations:

15 Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA)
16 NRDA Regulations, U.S. Department of the Interior, Natural Resource Damage Assessment
17 Regulations, 43 CFR PART 11 (1995), as amended at 61 Fed. Reg. 20609, May 7, 1996:

18 http://www.doi.gov/oepec/wp_docs/43cfr11.html

19 EPA's Notification and Coordination Activities, Natural Resource Damages Assessment:

20 http://www.epa.gov/superfund/programs/nrd/n_and_c.htm

21 Natural Resource Trustees: <http://www.epa.gov/superfund/programs/nrd/trustees.htm>

22 Natural Resource Damages: A Primer:

23 <http://www.epa.gov/superfund/programs/nrd/primer.htm>

26 X. LASO Presentation on DOE/LANL Implementation of NNM CAB 27 Recommendations

28 Mr. Casalina provided the Board with an update on DOE/LANL Implementation of
29 NNM CAB Recommendations. He discussed the development of a Recommendation Flow Chart
30 and described his process of getting action and responses to the Board's recommendations.
31 He was still working on this project and would continue to update the Board as new
32 information became available. Mr. Casalina stated that he was working on the newer
33 recommendations first. He specifically mentioned currently working on the responses for the
34 following recommendations:

- 35 o 2008-07 "Implement DOE P 455.1, "Use of Risk-Based End States"
- 36 o 2008-09 "Regarding DOE/LANL Funding Priorities"
- 37 o 2008-10 "Regarding Independent Review of the MDA-G Corrective Measures Evaluation
38 Report by DOE Office of Soil and Groundwater Remediation"
- 39 o 2008-11 "Reducing the Outfall into Sandia Canyon, Relating to Studies and Cleanup of
40 Chromium"

41 Mr. Casalina's last point was the CAB has been very valuable to the DOE process. The
42 actual DOE response will also be valuable but he considered the Board's actions in the
43 development and submission of the recommendations to be valuable.

1 **XI. Presentation on Well Network Analysis and Characterization of**
2 **Groundwater at Site**

3 Mr. Danny Katzman, LANS, provided the Board with a comprehensive Subject Mater
4 Report on "Identification of Planned New Wells with Approximate Schedule for Drilling and
5 Data Quality Objectives for Wells." Mr. Katzman's report pulled together the major aspects
6 of the monitoring program including wells, data, models and objectives. His report covered
7 the project's background to monitoring goals for the future. Specifically, Mr. Katzman
8 presentation for the Board covered:

- 9 ➤ Groundwater Monitoring Objectives for Technical Area 54 (TA-54) including the
10 Resource Conservation and Recovery Act (RCRA) and sites under the Consent Order.
- 11 ➤ Principal, goals and methodology of the Monitoring Well Network.
- 12 ➤ Monitoring into the future at LANL.

13 Mr. Katzman's complete PowerPoint Presentation can be requested from the CAB
14 office. Mr. Katzman fielded questions/comments from the Board. Mr. Maestas thought the
15 New Mexico Environment Department (NMED) was supportive of the program; however, they
16 had issued a Notice of Deficiency (NOD) on the Corrective Measures Evaluation (CME) for Area
17 G. Ms. Hall stated the wells were monitoring many different things, was anything missing in
18 the analytical suite? Mr. Katzman replied that Lab referred to the Resource Conservation and
19 Recovery Act (RCRA) Appendix 9, where there was a listing of contaminants of all kinds to be
20 measured. Using RCRA as a guide, the Lab conducted comprehensive analytic suite testing.
21 Mr. Heindel noted that the distance between monitoring wells was not exactly even, would
22 the wells cover cases of rapid lateral contaminate dispersion? How would the Lab measure
23 something "in between"?
24

25
26 **XII. Public Comment Period**

27 No one signed up for public comment.
28

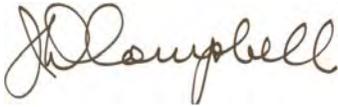
29
30 **XIII. Adjournment**

31 A summary of the meeting's action items and other announcements:

- 32 ➤ Approved Recommendation 2009-01 for submission to the DOE.
- 33 ➤ Approved NNM CAB Top Three Issues.
- 34 ➤ Approved NNM CAB Major Accomplishment.
- 35 ➤ Approved SSAB Letter to EM-1.
- 36 ➤ Established Ad Hoc Committees for DOE/EM budget review and CAB Public
37 Outreach Efforts.
- 38 ➤ Special Presentation from Environmental Protection Agency (EPA) Kerr
39 Laboratory to be held on April 8, 2009, from 9 a.m. to 12 p.m. at the Holiday
40 Inn in Santa Fe. For questions, please call the CAB at (505) 989-1662.

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42 Mr. Casalina, DDFO, adjourned the meeting at 8:10 p.m.
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2 Respectfully submitted,
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5 J. D. Campbell, Ph.D., P. E., Chair, NNM CAB
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7 **Minutes prepared by Lorelei Novak, NNM CAB Technical Programs and Outreach*
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10 **Attachments:**

- 11 1. Final January 28, 2009 CAB Meeting Agenda.
- 12 2. NNM CAB Top Three Issues of Concern.
- 13 3. SSAB Letter to EM-1.
- 14 4. Report from Menice Santistevan, Executive Director.
- 15 5. Report from J.D. Campbell, Chair, NNM CAB.
- 16 6. Report from Mike Loya, Chair, EMSR Committee.
- 17 7. Report from Gerry Maestas, Chair, WM Committee.
- 18 8. Draft Recommendations 2009-01 and 2009-02.
- 19 9. Presentation No. 1: "Los Alamos National Laboratory Natural Resource
20 Damage Assessment and Trustee Council Progress," LA_UR_09-0456 from
21 Ms. Nancy Werdel, Project Manager, Environmental Operations,
22 DOE/LASO.
- 23 10. Presentation No. 2: "Groundwater Monitoring Well Network Evaluation for
24 TA-54" from Mr. Danny Katzman, Program Manager, LANL Water
25 Stewardship Program.

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28 **Public Notice:**

29  *All NNM CAB meetings are recorded in accordance with the Federal
30 Advisory Committee Act. Audiotapes have been placed on file at the
31 NNM CAB Office, 1660 Old Pecos Trail, Suite B, Santa Fe, New Mexico, 87505.

32  *Reference documents listed in the Appendix section of these minutes
33 can be requested for review at the CAB office in Santa Fe.

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35 *For more information regarding audio transcription or any information
36 referenced to or contained here in these minutes, please call the CAB office
37 at (505)-989-1662.
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