



Northern New Mexico Citizens' Advisory Board Meeting

May 13, 2010

9:00 a.m. to 4:30 p.m.

Meeting Location: Ohkay Owingeh Conference Center in Espanola, New Mexico

DRAFT MINUTES

Attending:

NNMCAB Members-

- 1. Ralph Phelps, NNMCAB Chair**
- 2. Robert Gallegos, NNMCAB Vice Chair**
- 3. Pam Henline, EMSR Committee Chair**
- 4. Deb Shaw, EMSR Committee Vice Chair**
- 5. Gerry Maestas, WM Committee Chair**
- 6. Pamela Gilchrist**
- 7. Deborah Gill**
- 8. John Lujan**
- 9. Michelle Medinsky**
- 10. Manuel Pacheco**
- 11. Carlos Valdez**
- 12. Bob Villarreal**

Excused Absences-

- 1. Nicole Castellano**
- 2. Jacqueline Gutierrez**
- 3. Lawrence Longacre**
- 4. Mike Loya**
- 5. Caroline Mason**

NNMCAB Staff-

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

Also in Attendance-

Lee Bishop, Co-Deputy Designated Federal Officer (DDFO)
Ed Worth, Co- Deputy Designated Federal Officer (DDFO)
Lori Isenberg, Meeting Facilitator

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- Guests-**
 - Lawrence Cata, Ohkay Owingeh Pueblo Environment Department**
 - Kay Birksell, LANL**
 - Dan Levitt, LANL**
 - J. D. Campbell Public**
 - Cathy Wilson, LANL**
 - Jeff Whicker, LANL**
 - Floyd Archuleta, Portage, Inc.**
 - Joe Molter, Energy Solutions, Los Alamos**
 - Sean French, LANS**
 - George Henckel, DOE/LASO**
 - Rob Schuman, URS Corporation**
 - Tori George, LANS**
 - Pete Maggiore, Edgewater**
 - Kelly Crowell, Portage, Inc.**
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AGENDA

- I. Call to Order**
 - II. Establishment of Quorum (10 needed)**
 - a. Roll Call**
 - b. Excused Absences**
 - III. Welcome and Introductions**
 - IV. Approval of Agenda**
 - V. Approval of Minutes of March 31, 2010**
 - VI. Public Comment Period**
 - VII. Open Forum for CAB Members**
 - VIII. Old Business**
 - a. Written Reports**
 - b. Other Items**
 - VIII. New Business**
 - IX. Matters from DDFOs**
 - X. Discuss Future Draft Recommendation Topics to the Department of Energy**
 - XI. Presentation on Disposal Authority Statement and Performance Assessment and Composite Analysis (PA/CA)**
 - XII. Public Comment Period**
 - XIII. Closing Comments**
 - XIV. Adjournment**
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4 **MINUTES**
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6 **I. Call to Order, DDFO Introductions**

7 The regular bi-monthly meeting of the Northern New Mexico Citizens' Advisory Board
8 (NNMCAB or CAB) meeting was held on May 13, 2010, at the Ohkay Owingeh Conference
9 Center, Espanola New Mexico. Mr. Bishop, Co-Deputy Designated Federal Officer (DDFO)
10 stated that on behalf of the Department of Energy (DOE), the regular bi-monthly meeting of the
11 NNMCAB was called to order at 9:00 a.m. Mr. Bishop recognized Mr. Ralph Phelps, NNMCAB
12 Chair, who presided. Ms. Lori Isenberg, meeting facilitator, was in attendance. The regular
13 meeting of the NNMCAB was open to the public and posted in **The Federal Register** in
14 accordance with **The Federal Advisory Committee Act**.
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17 **II. Welcome and Introductions**

18 Mr. Phelps welcomed everyone to the meeting. He stated his appreciation for all
19 the people in attendance; he noted membership was growing with new faces. Mr.
20 Phelps asked for round robin introductions from the members and guests in attendance.
21 Mr. Phelps went over the public comment process and he mentioned there were two
22 public comment periods scheduled for the meeting. The board would hear a
23 presentation on the "Disposal Authority Statement and Performance Assessment and
24 Composite Analysis (PA/CA)," with Mr. Sean French and Mr. George Henckel, DOE.
25 Additionally, the Board would hold an open forum for members and discuss future draft
26 recommendation topics to the Department of Energy (DOE).
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29 **III. Establishment of Quorum (10 needed)**

30 **a. Roll Call**

31 Ms. Novak conducted roll call as the members arrived. Twelve members were present at
32 the start of the meeting, which made a quorum for conducting business.

33 **b. Excused Absences**

34 Mr. Worth and Mr. Bishop, Co-DDFOs, had previously approved excused absences for
35 Nicole Castellano, Jacqueline Gutierrez, Lawrence Longacre, Mike Loya and Caroline Mason.
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38 **IV. Approval of Agenda**

39 The Board reviewed the May 13, 2010 CAB meeting agenda. Mr. Phelps called for any
40 comments or additions to the agenda. Ms. Santistevan asked the board to add an item
41 regarding forming an Ad Hoc Nominating Committee for the fall Board Officer elections. **Mr.**
42 **Pachecho made a motion to approve the agenda as amended and Ms. Henline**
43 **seconded the motion. The amended meeting agenda was approved.**
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3 **V. Approval of Minutes of March 31, 2010**

4 The Board reviewed the minutes from the March 31, 2010 CAB meeting. By ongoing
5 instructions from DOE Headquarters, the minutes were previously reviewed and certified by the
6 NNMCAB Chair, Mr. Ralph Phelps. The minutes were distributed in the mailed meeting packets
7 and were presented at the meeting for Board approval.

8 **Mr. Maestas made a motion to approve the minutes as presented. Ms. Gill**
9 **seconded the motion. The minutes were unanimously approved.**

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12 **VI. Public Comment Period**

13 Mr. Phelps opened the floor for public comment. No one signed up to speak.
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16 **VII. Open Forum for New Members**

17 The members held an open discussion; comments are recorded in the taped transcription
18 of the minutes.

19 Open forum topics included:

- 20 ❖ Assistant Secretary for DOE/ Environmental Management Ines Triay to visit Los Alamos
21 for a Memorandum of Agreement with the Buckman Direct Diversion Project and receive
22 a "Key to the City" from the Los Alamos County Council.
- 23 ❖ Discussed well construction and data quality issues for monitoring wells, also ways to
24 annotate data in the data quality waterbase.
- 25 ❖ Maintaining wetlands in Los Alamos to stabilize Chromium 6 contamination by reduction
26 to Chromium 3; discussed possible alternatives, this item could be brought back to
27 committee for a subject matter expert presentation.
- 28 ❖ Discussed the Lab's goal of zero discharge
- 29 ❖ Considered ways to get more pueblo participation, considering pueblos already have a
30 government to government relationship with the DOE, this CAB extends an open
31 invitation for pueblo participation.
- 32 ❖ Discussed the NNMCAB Speaker's Bureau Outreach Program, which was available to any
33 interested members to use to conduct outreach. Additionally, NNMCAB has a ready-to-go
34 informational table display, brochure and public relations materials. Noted that Ms.
35 Mason recently gave the Speaker's Bureau presentation to the Los Alamos League of
36 Women's Voters. Also, Ms. Novak had a table at Los Alamos Earth Day Festival, the
37 Santa Fe Renewable Energy Conference, and has been invited to be interviewed
38 regarding the CAB's mission with KRSN Radio, Los Alamos, and has another public
39 outreach table planned for the MDA-B Open House in Los Alamos. Mr. Bishop asked for
40 volunteers to sit at the booth.
- 41 ❖ Announced Mr. Mike Loya attended the Environmental Justice Conference. Mr. Bishop
42 explained that Environmental Justice was a new area to determine if a specific region or
43 group was more disproportionately impacted and works on developing alternatives and
44 positive outcomes.

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3 **VII. Old Business**

4 **a. Written Reports.**

5 **– NNMCAB Chair’s Report**

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

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12 Routine Chair Activities since the last NNMCAB meeting held on March 31, 2010:

- 13 • Attended Executive Committee meeting on April 14, 2010
 - 14 ▪ Discussed Issues and accomplishments for the SSAB meeting
 - 15 ▪ Discussed potential recommendations for May 13, 2010 CAB meeting
 - 16 ▪ Reviewed agendas for the May 12, 2010 CAB retreat and May 13, 2010 CAB
 - 17 meeting.
- 18 • Attended Combined EMSR and WM Committee meeting on April 14, 2010
 - 19 ▪ Heard Presentation by LANL on the status of Technical Area 21 (TA-21)
 - 20 work.

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22 EM SSAB Related Chair Activities since last NNMCAB meeting on March 31, 2010:

- 23 • Participated in April 10, 2010 Chairs Conference Call
 - 24 ▪ Discussed potential chairs letters to DOE in support of including Unfunded
 - 25 Liabilities in future budget planning and requests. This was similar to draft
 - 26 Recommendation 2010-04 by NNMCAB, and one from Hanford on long-
 - 27 term site closure plans.

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29 Other Chair Activities:

- 30 • Participated in an Energy Communities Alliance (ECA) conference call on April 13,
31 2010 on Energy Parks. He noted there was a lot of interest in Energy Parks currently
32 for restored waste sites. The ECA is putting together a request for DOE funding for
33 \$10M to develop site plans.
- 34 • Attended April 20, 2010 pre-meeting with Don Ami, LANL, to review agenda for
35 the meeting with San Ildefonso.
- 36 • Attended April 21, 2010 meeting with Gov. Perry Martinez of San Ildefonso Pueblo
37 to discuss the mission requirements for CAB recommendations, particularly ones such
38 as the draft on Natural Resources Damages Assessment (NRDA) work, to understand
39 the pueblo views, which he reported was a very successful meeting. The CAB was
40 invited to request a short presentation to the Eight Northern Pueblos
41 Intergovernmental Tribal Council.

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3 – **NNMCAB Executive Director’s Report**

4 A printed copy of Ms. Santistevan’s report was included in the meeting packet and a copy
5 may be obtained by request from the CAB office at (505) 989-1662.

6 Ms. Santistevan’s report included:

7 Information about Board Membership:

- 8 • Five new members have been appointed to fill unexpired terms through November
9 15, 2011: Ms. Nicole Castellano, Mr. Lawrence Garcia, Ms. Deborah Gill, Dr. Michelle
10 Medinsky and Mr. Carlos Valdez.
11 • The updated CAB Directory was included in meeting packets; asked members to be
12 sure that their contact information was correct.

13 Outreach Update:

- 14 • Ms. Novak had an Outreach table at the Earth Day activities in Los Alamos on April
15 24, 2010 and she also planned to have a CAB outreach table at the Material Disposal
16 Area B (MDA-B) open house on May 22, 2010.
17 • It was decided to have a more active Speaker’s Bureau, with three
18 recommendations included to refer to as an example of the CAB’s work.
19 Members interested in the NNM CAB’s Speaker’s Bureau, please let Ms.
20 Santistevan know.

21 Next CAB Meeting:

- 22 • Ms. Santistevan reminded the board that the next regular CAB meeting was
23 scheduled for July 28, 2010 to be held at the Holiday Inn Express in Los Alamos.

24 Board Meeting Preparations:

- 25 • Ms. Santistevan prepared and submitted Draft Agendas for this meeting and
26 the notice to **The Federal Register** on April 14, 2010, in compliance with
27 **The Federal Advisory Committee Act.**
28 • Meeting materials were copied and collated by Ms. Roybal and meeting
29 packets were mailed out on May 5, 2010.
30 • An advertisement for the meeting was placed in The Rio Grande Sun by Ms.
31 Roybal and on the NNM CAB website by Ms. Novak.

32 EM Site-Specific Advisory Board Chairs Meeting:

- 33 • Mr. Gallegos, Mr. Worth and Ms. Santistevan attended the meeting in Oak
34 Ridge. Mr. Gallegos went on the tour of the Oak Ridge Reservation.
35 • The NNM CAB planned to host the fall 2010 Chairs’ meeting on Sept. 14-16,
36 2010 at Hotel La Fonda. Planning the national meeting will require major
37 CAB staff involvement and time. The planning committee is scheduled to
38 begin conference calls to work on the draft agenda. She welcomed any
39 NNM CAB members who would like to help with this major project.

40 Office Management:

- 41 • The staff supported all committee meetings with preparation of notices,
42 agendas and minutes. Ms. Novak continued to update the NNM CAB public
43 website on a weekly basis. She has been working with Headquarters staff to
44 transfer the site from “.org” to a “.gov”, an ongoing project.

➤ **EMSR Committee Chair Report**

Ms. Henline, Environmental Monitoring, Surveillance and Remediation (EMSR) Committee Chair, provided a written report, which was included in the meeting packet. A copy of Ms. Henline's report may be obtained by request from the CAB office at (505) 989-1662.

The EMSR Committee met in combination with the Waste Management Committee on April 14, 2010 where the committees heard a presentation on Technical Area 21 (TA-21) including American Recovery and Reinvestment Act (ARRA) projects, overall site information, groundwater projects and information on new wells from a LANS Subject Matter Expert.

Announced meeting date and time for the next regular committee meeting:

Next EMSR Committee meeting June 9, 2010, from 2 p.m. to 4 p.m. at the CAB office in Santa Fe.

➤ **WM Committee Chair Report**

Mr. Maestas, Waste Management (WM) Committee Chair provided a written report, which was included in the meeting packet and a copy may be obtained by request from the CAB office at (505) 989-1662.

The WM committee met in combination with the EMSR Committee on April 14, 2010 where the committees heard a presentation on Technical Area 21 (TA-21) including American Recovery and Reinvestment Act (ARRA) projects, overall site information, groundwater projects and information on new wells from a LANS Subject Matter Expert.

Announced meeting date and time for the next regular committee meeting:

Next EMSR/WM combined committees meeting has been scheduled for June 9, 2010, from 2 p.m. to 4 p.m. at the CAB office in Santa Fe.

Board member comments on the written reports:

Mr. Phelps called for any questions on the reports. None were brought forth.

VIII. New Business

Formed an Ad Hoc Nominating Committee for Officer Elections:

Mr. Phelps asked for volunteers to form an Ad Hoc Committee for the fall officer Elections to be held at the September 2010 CAB meeting. He stated new board officers were elected annually and the new officers assume their positions on October 1, 2010. Mr. Phelps read from the CAB Bylaws, stating this Ad Hoc Committee gathers nominations for the office of Chair and Vice Chair and presents the nomination slate to the board for a vote at the September meeting.

1 **The following members volunteered to serve on the Ad Hoc Officer**
2 **Elections Nominating Committee:**

- 3 **1. Ms. Pam Henline**
4 **2. Dr. Deb Shaw**
5 **3. Mr. John Lujan**

6 Dr. Shaw mentioned that she was on the nominating committee last year and
7 she had polled members individually. This year she intended to email the membership.
8 Mr. Phelps asked that the Ad Hoc committee report back to the board at the July CAB
9 meeting.

11 **IX. Matters from the DDFOs**

12 Co-DDFO's Mr. Ed Worth and Mr. Lee Bishop made comments to the board.

13 Mr. Worth Co-DDFO discussed the running tally about upcoming presentations
14 topics for the board. He asked for any other presentation suggestions from the board
15 members. Members' comments and suggestions are listed below:

- 16 ➤ Briefing on Material Disposal Area B (MDA-B)
17 ➤ Presentation on current air monitoring programs at the Lab
18 ➤ Presentation on stormwater relative to the Environmental Protection
19 Agency (EPA) Stormwater Permit
20 ➤ Reinstating the LANL quarterly groundwater workshops, member input
21 was requested regarding specific subject matter
22 ➤ Substantive overview of Material Disposal Area T (MDA-T)

23 Mr. Worth asked the WM and EMSR Committee Chairs for any additional input on
24 presentations.

- 25 ➤ Mr. Maestas, WM Committee Chair, wanted to see subject matter
26 presentations focus on topics that will help the board to become better
27 educated on issues related to their mission in order to make more
28 informed recommendations to the DOE.
29 ➤ Ms. Henline, EMSR Committee Chair, was interested in a presentation
30 on EM Program recycling efforts.

31 Mr. Bishop addressed the board. He stated the board has come a long way,
32 board meetings have been productive and the membership was communicating well,
33 and functioning according to its charter. Public Outreach efforts have increased, and
34 they are looking at public radio and public meeting announcements for marquees.

35 Mr. Bishop opened the floor to the membership for a brainstorming planning
36 session to generate ideas for the upcoming SSAB meeting to be held in Santa Fe in
37 September 2010. The meeting will be hosted by the NNMCAB and Ms. Santistevan has
38 arranged the government hotel rate at the La Fonda Hotel on the Plaza. The event
39 occurs simultaneously with the 400 anniversary of the City of Santa Fe and Mr. Bishop
40 wanted to include information about these activities for the other SSAB attendees. The
41 Environmental Management Advisory Board (EMAB) will hold its semi-annual meeting
42 concurrently in Santa Fe also at La Fonda.

43 Mr. Phelps explained that a number of the board members have been to past
44 meetings and that the whole board was welcome to attend the meeting in Santa Fe.

1 Two members of this board, generally the Chair and Vice Chair, would actually sit at the
2 table and participate in the meeting. He explained the schedule included one day of
3 site tours, with is the first day ending in a social reception type of event and the second
4 and third days were for meetings and presentations from DOE Headquarters on site
5 wide issues and the top three issues generated from each site. The group discussed
6 ideas for the meeting, from hosting a reception at the Palace of the Governors, to
7 inviting the Mayor of Santa Fe to open the meeting, to including a stop at the Pueblo
8 Ruins during the site tour. The agenda would be a developed and finalized through a
9 series of conference calls with the site Chairs and DOE/HQ. Mr. Bishop stated one
10 major goal for the meeting planning was to develop a package of possible activities.
11 Mr. Bishop stressed the LASO office's intention was to host not a good meeting but a
12 fabulous one!

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15 **X. Discussed Future Draft Recommendation Topics to the Department of**
16 **Energy**

17 The board discussed potential recommendations in development. The first topic
18 discussed was brought up by Ms. Henline regarding American Recovery and
19 Reinvestment Act (ARRA) funding. The draft recommendation would focus on any
20 surplus ARRA funding that could be allocated to Los Alamos. Mr. Worth thought this
21 would be an appropriate recommendation for the board because the Lab has "shovel
22 ready" projects that could benefit from additional funding. Mr. Bishop said it was a
23 good idea to state outright that the Environmental Management (EM) Programs at LASO
24 were on schedule and they have more work ready. Ms. Henline agreed to make a first
25 draft of the recommendation.

26 Mr. Maestas was interested in considering possible recommendations (after
27 hearing subject matter presentations) on the following topics:

- 28 ➤ Technical Area 49
- 29 ➤ Material Disposal Area T
- 30 ➤ End State for Technical Area 21, i.e. whether to clean-up to industrial
31 or residential standards.

32 **Dr. Shaw made a motion for the Chair to prepare a letter of**
33 **commendation for the Co-DDFO's regarding the positive work they have**
34 **accomplished with the CAB. The letter was to be sent to Ms. Cate Brennan,**
35 **DFO, and endorsed by the whole NNMCAB. Ms. Henline seconded the motion.**
36 The board discussed the motion and thought it was a great idea. Dr. Shaw stated her
37 motivation was that everyone gets performance reviews from time to time. The Chair
38 supported the idea and agreed to draft the letter of commendation. **The motion**
39 **passed unanimously.**

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2 **XI.Presentation on Disposal Authority Statement and Performance**
3 **Assessment and Composite Analysis (PA/CA)**

4 Mr. George Henkel, DOE, and Mr. Sean French, LANS, provided a subject matter
5 presentation on the "Disposal Authority Statement and Performance Assessment and
6 Composite Analysis (PA/CA)." Mr. Fred DeSousa, LANS, also showed a video on the
7 topic. Technical posters and Subject Matter Experts were available to discuss the report
8 during break and after the presentation. The briefing objectives and summary are
9 outlined below and full text of the PowerPoint Presentation can be requested from the
10 CAB office.

11
12 PA/CA Briefing provided an overview of DOE's Regulatory Compliance Process for
13 approval of Performance Assessments.

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15 Established DOE Authority under the Atomic Energy Act:

- 16 ➤ Establish by rule, regulation, or order, such standards and instructions to
17 govern the possession and use of special nuclear material, source material,
18 and byproduct material as the Commission may deem necessary or desirable
19 to promote the common defense and security or to protect health or to
20 minimize danger to life or property

21 Discussed the Regulatory Big Picture:

- 22 ➤ LANS / EM is regulated by the Environmental Protection Agency (EPA),
23 National Environmental Policy Act (NEPA), New Mexico Environment
24 Department (NMED) and DOE through the Atomic Energy Act / DOE Order
25 435.1

26 Explained Energy Reorganization Action of 1974:

- 27 ➤ There are hereby transferred to and vested in the Administrator of the Energy
28 Research and Development Administration all functions of the Atomic Energy
29 Commission, the Chairman and members of the Commission, and the officers
30 and components of the Commission, except as otherwise provided in this Act.
- 31 ➤ The Administrator (DOE) is authorized to prescribe such policies, standards,
32 criteria, procedures, rules, and regulations as he may deem to be necessary
33 or appropriate to perform functions now or hereafter vested in him.

34 Discussed DOE Regulation of Radioactive Waste Disposal:

- 35 ➤ DOE regulation does not translate into lack of oversight, loss of independence
36 or insufficient rigor
- 37 ➤ Legal requirement to protect members of the public from all sources of
38 radiation, not to exceed 100 millirem dose equivalent.
- 39 ➤ Responsibilities and authorities under the Atomic Energy Act implemented
40 through directives and orders; performance objectives and performance
41 measures included to further limit potential for exposure from low-level waste
42 disposal

43 DOE Order 435.1, Radioactive Waste Management contains:

- 44 ➤ Advances in radioactive waste management practices

- 1 ➤ Risk and performance-based requirements
- 2 ➤ Technical basis for DOE's radioactive waste management requirements
- 3 ➤ Establishes DOE HQ and Site responsibilities
- 4 ➤ Guidelines for Low-Level Waste Disposal Facility Federal Review Group
- 5 (LFRG)
- 6 ➤ Establishes Requirements and Performance Objectives that govern disposal
- 7 actions
- 8 DOE Order 435.1 defines Radioactive Waste Management Guidelines including:
- 9 ➤ Performance Assessments (PAs) are conducted to demonstrate there is a
- 10 reasonable expectation that LLW disposed at DOE LLW facilities will not
- 11 exceed performance objectives contained in DOE M 435.1
- 12 ➤ Intruder Scenario
- 13 ➤ Composite Analyses (CAs) which are conducted to assess possible impacts of
- 14 multiple sources, including the disposal facility, on long-term compliance with
- 15 DOE environmental and public radiation protection requirements contained in
- 16 DOE O 5400.5, Radiation Protection of the Public and the Environment
- 17 Explained Low-Level Waste Disposal Facility Federal Review Group (LFRG) Framework
- 18 and Processes:
- 19 ➤ Governed by LFRG Manual and LFRG Program Management Plan
- 20 ➤ Format and Content Guide for Performance Assessments and Composite
- 21 Analyses
- 22 ➤ Closure Guide
- 23 ➤ Maintenance Guide
- 24 ➤ Monitoring Guidance
- 25 Defined LFRG Roles and Responsibilities:
- 26 ➤ Develop and conduct formal reviews
- 27 ➤ Review compliance documentation submitted by sites in support of disposal
- 28 authorization and PA/CA maintenance
- 29 ➤ Prepare disposal authorization statements for disposal facilities
- 30 ➤ Provide LFRG recommendations to senior managers at EM and NNSA
- 31 ➤ Track and report preparation of compliance documentation
- 32 ➤ Explained process is detailed, technical and rigorous
- 33 Outlined LFRG Review Topics and Review Criteria:
- 34 ➤ Site and Facility Characteristics -- 7 criteria
- 35 ➤ Radioactive Sources and Release Mechanisms -- 6 criteria
- 36 ➤ Performance Objectives and Measures -- 8 criteria
- 37 ➤ Point of Assessment -- 6 criteria
- 38 ➤ Conceptual and Mathematical Models -- 18 criteria
- 39 ➤ Assumptions -- 2 criteria
- 40 ➤ Exposure Pathways and Dose Analysis -- 14 criteria
- 41 ➤ Sensitivity and Uncertainty -- 7 criteria
- 42 ➤ ALARA and Options Analysis -- 3 criteria
- 43 ➤ Results Integration -- 11 criteria
- 44 ➤ Quality Assurance -- 2 criteria

1 Discussed LFRG overall Review Process:

- 2 1. Site submits PA/CA
- 3 2. LFRG determines suitability for review
- 4 3. LFRG appoints review team leader and team members
- 5 4. Review team prepares review plan and LFRG approves
- 6 5. Team performs review and prepares draft report
- 7 6. Site provides factual accuracy review
- 8 7. Team edits and submits report to the LFRG
- 9 8. LFRG develops Compliance Evaluation (CE) and Disposal Authorization Statement
- 10 (DAS) and recommends approval
- 11 9. Deputy Assistant Secretary approves DAS

12 PA/CA Ongoing Maintenance:

- 13 ➤ The performance assessment and composite analysis shall be maintained to
- 14 evaluate changes that could affect the performance, design, and operating
- 15 bases for the facility

16 Check Points for the DOE Manual 435.1-1:

- 17 ➤ Annual adequacy review
- 18 ➤ Annual disposal review and analysis
- 19 ➤ Research and development, field studies and monitoring

20 The presenters answered questions from the board. Mr. Phelps thanked all the
21 presenters and stated putting together this very detailed and informative presentation
22 was a huge effort, which was much appreciated by the board. Mr. Phelps announced
23 that the PA/CA was available for review on the LANL website. The board would also
24 have access to the PA/CA on CD available from the CAB office.

27 **XII. Public Comment Period**

28 Mr. Phelps announced the board was prepared for public comment. Dr. J. D.
29 Campbell, Taos, signed up for public comment. Dr. Campbell was a past member of
30 the CAB. He stated he wanted to remain as a public member on the technical
31 committees of the CAB. Dr. Campbell said he was encouraged by the PA/CA
32 presentation. A positive piece of news for him was that there were no groundwater
33 exposure scenarios for the 1000-year period; positive but contrary to what the public
34 may expect. He would like to see the model enhanced even further and be used to
35 defend the engineered cap alternative. He stated by using these exposure scenarios to
36 validate the modeling over time, that these findings could add to public confidence.

38 **XIII. Closing Comments and Meeting Feedback**

39 Mr. Phelps invited the board to provide feedback on the meeting.

40 Dr. Medinski commented on communicating information to the public. She thought
41 Mr. deSousa's video and the one page informational PA/CA handout were both great
42 distillations of the modeling efforts.

43 Ms. Henline suggested the video be put on the web. Mr. Bishop stated they would
44 have the video on the web and that they were pursuing having information on some of

1 the social networking sites, i.e. Facebook, Twitter and LANS already has videos for view
2 on YouTube.

3 Mr. Phelps commented on the remaining uncertainties in the realm of modeling and
4 he wanted to find a way to fold this uncertainty into the model presentation. Mr.
5 Phelps also thanked the CAB staff for their work.

6 Rev. Gilchrist said it was a good meeting and there was agreement from all around
7 the table.

8 Mr. Valdez wanted to thank the Los Alamos staff and he also thanked the CAB
9 staff for putting together a good meeting.

10 Ms. Santistevan thanked everyone for volunteering their time. She explained
11 that Ms. Isenberg, meeting facilitator, had to leave early because her granddaughter
12 was born. She made sure to mention that she was amazed by the NNMCAB. Ms.
13 Isenberg planned to send kind words back to DOE about the effectiveness and quality
14 of this board and its membership.

15 Mr. Worth thanked the members for their time, he knew it was a big effort and
16 the DOE appreciated and valued the board's input. He informed the board that he and
17 Mr. Bishop were accessible to the members.

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20 **XIV. Adjournment**

21 Mr. Phelps thanked everyone for their participation. **With no further business**
22 **to discuss, Mr. Worth, Co-DDFO adjourned the meeting at 4:30 p.m.**

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26 **Respectfully submitted,**




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28 **Ralph Phelps, Chair, NNMCAB**


29
30 ****Minutes prepared by Lorelei Novak, NNMCAB Technical Programs and***
31 ***Outreach***

Attachments:

1. **Final 5-13-10 CAB Meeting Agenda.**
2. **Report from Ralph Phelps, Chair, NNMCAB.**
3. **Report from Menice Santistevan, Executive Director.**
4. **Report from Gerry Maestas, Chair, WM Committee.**
5. **Report from Pam Henline, Chair, EMSR Committee.**
6. **Presentation on Disposal Authority Statement and Performance Assessment and Composite Analysis (PA/CA) LA-UR-103021.**
7. **Handouts from the Poster Session with SME regarding the PACA, including LANL Performance Assessment and Composite Analysis Timeline for Area G at Technical Area 54.**
8. **CD, "Performance Assessment and Composite Analysis for LANL TA-54, Area G, Revision 4."**

Public Notice:

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

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

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