



Northern New Mexico Citizens' Advisory Board Meeting

September 29, 2010

1:00 p.m. to 7:00 p.m.

**Meeting Location: Sagebrush Inn and Conference Center
Taos, New Mexico**

MINUTES

Attending:

Ed Worth, Department of Energy Co- Deputy Designated Federal Officer

NNMCAB Members-

- 1. Ralph Phelps, NNM CAB Chair**
 - 2. Robert Gallegos, NNM CAB Vice Chair**
 - 3. Pam Henline, EMSR Committee Chair**
 - 4. Gerry Maestas, WM Committee Chair**
 - 5. Mike Loya, WM Committee Vice Chair**
 - 6. Nicole Castellano**
 - 7. Lawrence Garcia**
 - 8. Deborah Gill**
 - 9. Caroline Mason**
 - 10. Manuel Pacheco**
 - 11. Carlos Valdez**
 - 12. Bob Villarreal**
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Excused Absences-

- 1. Michelle Medinsky**
 - 2. Lawrence Longacre**
 - 3. John Lujan**
 - 4. Jacquelyn Gutierrez**
 - 5. Deb Shaw, EMSR Committee Vice Chair**
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NNMCAB Staff-

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

NNMCAB Meeting Minutes 9-29-10
Certified by NNMCAB Chair, Mr. Ralph Phelps

Guests-

- 1. Fred DeSousa, LANS**
 - 2. J. D. Campbell, Public**
 - 3. Evelyn Martinez, UNM Student**
 - 4. Mark Williams, UNM**
 - 5. Andrew Green, LANS**
 - 6. Steve Veenis, LANS**
 - 7. Sheri Kotowski, EVEMG**
 - 8. Eric Kuerschner, Public**
 - 9. Marilyn Haff, Public**
 - 10. Jeanne Green, Public**
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AGENDA

- I. Call to Order**
 - II. Welcome and Introductions**
 - III. Establishment of Quorum (10 needed)**
 - a. Roll Call**
 - b. Excused Absences**
 - IV. Approval of Agenda**
 - V. Approval of Minutes of July 28, 2010**
 - VI. Public Comment Period**
 - VII. Old Business**
 - a. Written Reports**
 - b. Other Items**
 - VIII. New Business**
 - a. Report from Nominating Committee**
 - b. Election of Chair and Vice Chair for FY '11**
 - c. 2010 Long Term Surveillance and Maintenance Conference**
 - d. Appoint Ad Hoc Committee for Annual Evaluation**
 - e. Other Items**
 - IX. Items from DDFOs**
 - X. Consideration and Action on FY '11 Committee Work Plans**
 - XI. Presentation on Air Monitoring at LANL**
 - XII. Presentation on Stormwater Monitoring at LANL and the Status of the Stormwater Permit**
 - XIII. Public Comment Period**
 - XIV. Presentation on Fiscal Year 2010 Accomplishments**
 - XV. Adjournment**
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MINUTES

I. Call to Order, DDFO Introductions

The regular bi-monthly meeting of the Northern New Mexico Citizens' Advisory Board (NNMCAB or CAB) meeting was held on September 29, 2010, at the Sagebrush Inn and Conference Center, Taos, New Mexico. Mr. Ed Worth, Co-Deputy Designated Federal Officer (DDFO) stated that on behalf of the Department of Energy (DOE), the regular bi-monthly meeting of the NNMCAB was called to order at 1:00 p.m. Mr. Worth thanked everyone who was able to participate in the recent Site Specific Advisory Board (SSAB) Semi-Annual Chairs meeting. He stated the meeting was a huge success in large part to Ms. Santistevan and the CAB staff. Mr. Phelps did a great job articulating the Board's concerns and Mr. Gallegos provided a wonderful introduction at the meeting reception for Santa Fe Mayor, David Coss.

Mr. Worth recognized Mr. Phelps as NNMCAB Chair. The Chair presided at the meeting. The regular meeting of the NNMCAB was open to the public and posted in **The Federal Register** in accordance with **The Federal Advisory Committee Act**.

II. Welcome and Introductions

Mr. Phelps welcomed everyone to the meeting. He stated his appreciation for everyone's attendance. Mr. Phelps thanked Mr. Pacheco for arranging a tour of the Taos County Judicial Complex, currently under construction. Mr. Phelps asked for round robin introductions from the members and guests in attendance. Mr. Phelps went over the public comment process and he mentioned there were two public comment periods scheduled for the meeting. The board would hear presentations from Subject Matter Experts (SMEs), Mr. Andrew Green on Air Monitoring at Los Alamos National Laboratory (LANL) and Mr. Steve Veenis on Stormwater Management at LANL and the Status of the Stormwater Permit. The board would also hear comments from Mr. Michael Graham, LANS Associate Director for Environmental Programs, on Fiscal Year 2010 Accomplishments. Additionally, the Board would hold its annual officer elections.

Mr. Pacheco was humbled and privileged to introduce Mr. Rudy Abeyta, Mayor Pro-tem of Taos. Mr. Abeyta welcomed the CAB to Taos and made comments to the board.

III. Establishment of Quorum (10 needed)

a. Roll Call

Ms. Novak conducted roll call as the members arrived. Thirteen members were present at the meeting, which made a quorum for conducting business.

b. Excused Absences

Mr. Worth and Mr. Bishop, Co-DDFOs, had previously approved excused absences for Ms. Michelle Medinsky, Dr. Deb Shaw, Mr. Lawrence Longacre, Ms. Jackie Gutierrez and Mr. John Lujan.

1 **IV. Approval of Agenda**

2 The Board reviewed the September 29, 2010 CAB meeting agenda. Mr.
3 Phelps called for any comments or additions to the agenda. Mr. Garcia wanted to add
4 discussing the Community Involvement Grant and the additional material found at
5 Material Disposal Area B (MDA-B) to the agenda. **Mr. Loya made a motion to**
6 **approve the agenda as amended and Ms. Henline seconded the motion. The**
7 **amended meeting agenda was approved.**
8

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10 **V. Approval of Minutes of July 28, 2010**

11 The Board reviewed the minutes from the July 28, 2010 CAB meeting. By
12 ongoing instructions from DOE Headquarters, the minutes were previously reviewed
13 and certified by the NNMCAB Chair, Mr. Ralph Phelps. The minutes were distributed in
14 the mailed meeting packets and were presented at the meeting for Board approval.

15 **Mr. Pacheco made a motion to approve the minutes as presented. Mr.**
16 **Valdez seconded the motion. The minutes were unanimously approved.**
17

18
19 **VI. Public Comment Period**

20 Mr. Phelps opened the floor for public comment.

21 Dr. J.D. Campbell signed up for public comment. He welcomed the board to
22 Taos. Two people signed up to speak after public comment had officially ended. **Ms.**
23 **Mason made a motion to re-open the floor for public comment. Dr. Shaw**
24 **seconded the motion. As all were in favor, the following public comments**
25 **were noted:**

26 Ms. Marilyn Hoff signed up for public comment. Ms. Hoff had two concerns but
27 she was not sure if both her comments were within in the board's scope. Her first
28 concern was about the new CMRR building, which she believed would allow LANL the
29 capacity to build plutonium pits and she considered plutonium to be one of the most
30 deadly elements on earth. Her second concern was seeing the CAB make good
31 recommendations to the DOE that often take a long time to be responded to. She
32 wanted to see the CAB get responses to its recommendations from the DOE in a
33 timelier manner.

34 Mr. Phelps addressed Ms. Hoff's first concern regarding the CMRR building by
35 informing her that the subject was not directly in this board's scope and he briefly
36 outlined the board's Environmental Management mission. Mr. Worth stated there would
37 be another opportunity for the public to comment on the CMRR building.

38 Ms. Jeanne Green signed up for public comment. Ms. Green also asked about
39 the CAB recommendations that have yet to be responded to by the DOE.

40 Mr. Worth informed the group that the DOE was working on improving its
41 response time to the Board's recommendations. He stated that as of last week the DOE
42 were current on its responses and was in the final stages of getting that information out
43 to the CAB and the public.
44

VII. Old Business

a. Written Reports

➤ **NNMCAB Chair's Report**

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

Mr. Phelps briefly reviewed the main points in the Chair's report.

1) Routine Chair Activities since last NNMCAB meeting held on July 28, 2010:

- a) Attended Executive Committee meeting on August 8, 2010:
- b) Approved agenda for the September 29, 2010 CAB meeting in Taos.
- c) Finalized planning and CAB member support for the September SSAB Chairs Meeting in Santa Fe.
- d) Discussed CAB member attendance at the EM Long Term Surveillance and Maintenance Conference in Grand Junction, Colorado in November 2010.
- e) Concurred with priority topics of the CAB to be discussed by the Chair at an invited panel discussion with other CAB Chairs at the annual Decisionmakers' Forum Conference on DOE cleanup programs in October 2010 in Amelia Island, Florida.
- f) Reviewed the WM and EMSR Committee Work Plans for FY'11.
- g) Supported combined EMSR and WM Committee meeting in August. Details are in the committee meeting minutes.

2) SSAB Related Chair Activities since last NNMCAB meeting on July 28, 2010:

- a) Reviewed SSAB Chairs Meeting held on September 14-16, 2010 at Santa Fe (NNMCAB host). The SSAB Chairs Meeting was held successfully in Santa Fe. The summary of the presentations will be prepared by DOE/HQ and posted on the EM website in about a month. All SSAB priorities were discussed with Dr. Inés Triay and heard her presentation on EM progress. The conference received many compliments and good feedback comments and everyone loved the location. Many thanks are due to all CAB staff and DDFOs who helped to pull this meeting together. Also he thanked the many CAB members who attended the meeting sessions.
- b) Chairs bi-monthly conference call was held on July 29, 2010, updates were provided on activities at HQ and at the other sites. Minutes were sent out to CAB.

3) Other Activities:

- a) Participated in a ceremony on September 23, 2010 for the initial demolition of one of the white dome storage buildings at TA-54, MDA-G with LANL and San Ildefonso leaders.
- b) Attended the Intergovernmental Summit 2010 hosted by Santa Fe County on July 28, 2010. Several environmental topics were discussed with local municipalities and pueblos.
- c) The Chair will attend the annual Intergovernmental Conference sponsored by the Energy Communities Alliance (ECA) in November in San Diego. Tribal and local elected leaders to discuss energy and environmental issues with DOE and EM leaders. SSABs would also participate.

➤ **NNMCAB Executive Director's Report**

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

Ms. Santistevan's report included:

Information about Board Membership:

- The NNMCAB currently consisted of 18 members. The next nomination package for new appointments and reappointments was scheduled to be submitted late 2010.
- The updated CAB Directory was included in meeting packets; she asked members to be sure that their contact information was correct.

Next CAB Meeting:

- Ms. Santistevan reminded the board that the next regular CAB meeting was scheduled for November 17, 2010 to be held at the The Lodge in Santa Fe, New Mexico.

Board Meeting Preparations:

- Ms. Santistevan prepared and submitted draft Agendas for this meeting and the notice to **The Federal Register**, in compliance with **The Federal Advisory Committee Act**.
- Meeting materials were copied and collated by Ms. Roybal and meeting packets were mailed out on September 22, 2010.
- An advertisement for the meeting was placed in the *Taos News* by Ms. Roybal and on the NNMCAB website by Ms. Novak.

EM Site-Specific Advisory Board Chairs' Meeting:

The NNMCAB hosted a very successful fall 2010 Chairs' meeting on September 14-16, 2010, at Hotel La Fonda. Ms. Santistevan arranged the contract with Hotel La Fonda as the venue for the meeting. She also contracted with the Palace of the Governors for the reception. She worked with Mr. Bishop, Mr. Worth and the LANS staff to finalize the arrangements for the LANL tour on September 14, 2010. Mr. Garcia and Ms. Santistevan made arrangements with Mayor David Coss of Santa Fe to ask him to provide a welcome to Santa Fe at the meeting reception. She thanked Mr. Gallegos for introducing the Mayor; he did an excellent job. Lorelei Novak, Grace Roybal and

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Eddie Roybal supported the meeting with preparation of printed materials, binders, presentation cds, audio support and staffing. She thanked the CAB staff and the DDFOs for the support and long hours dedicated to the success of this meeting.

Ms. Santistevan's report noted that the Spring Chairs' Meeting has been scheduled for April 12-14, 2010 and would be hosted by the Nevada CAB in Las Vegas.

➤ **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 jointly with the Waste Management Committee on August 11, 2010. Ms. Henline's report has been summarized below:

- There were no new recommendations to discuss.
- Work plans for FY'11 were available and seemed satisfactory to both committees.
- A presentation on the "Corrective Measures Evaluation (CME) Process" was given by Mr. Pat Nakagawa. The CME process was presented for MDA L at TA-54. In order to be relevant to all audiences, the presentation was not extremely technical but technical questions were answered.

No committee meetings were scheduled for September as the SSAB Chairs meeting was held in Santa Fe in September 2010.

The CAB co-DDFOs, Ed Worth and Lee Bishop, will try to provide the CAB with the dates of critical documents, which are due in FY'11.

Also the Waste Disposition Order 435.1 was being reviewed/revised by the DOE. Ms. Henline suggested both committees stay apprised of this effort and provide input on the new Order.

Announced meeting date and time for the next regular committee meeting: Next EMSR Committee meeting will be held on October 14, 2010, from 2 p.m. to 4 p.m. at the CAB Office in Santa Fe, New Mexico.

➤ **WM Committee Chair Report**

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

The WM committee met jointly with the EMSR committee on August 11, 2010. Mr. Maestas report has been summarized below:

Events since Mr. Maestas last report included the bi-monthly CAB meeting in Los Alamos and the joint WM/EMSR meeting in Espanola. The presentation in Los Alamos by LANL focused on Technical Area 21 (TA-21) including Material Disposal Area T (MDA-T). Extensive groundwater monitoring in that area has been underway. Mr. Maestas report indicated "no alarm bells have gone off."

1 However, the meeting resulted in some confusion regarding aquifers in the area.
2 Several email exchanges have not resolved the issue and has remained an open item.
3 The basic question involved the connection, if any, between the aquifer directly below
4 LANL and the groundwater in the surrounding area. However, the issue would become
5 less relevant if the probability of contamination in the Los Alamos regional aquifer was
6 negligible, which seemed to be the case thus far.

7 The meeting in Espanola dealt with the process involved in developing Corrective
8 Measures Evaluations (CMEs), i.e., options for remediation. The process was a
9 systematic evaluation of a disposal area applying defined criteria. The result was a set
10 of remediation options, which were submitted to the New Mexico Environment
11 Department (NMED). As requested by NMED, some CMEs were on hold pending
12 acquisition of additional groundwater data to support the options. The new data
13 pertaining to TA-54/Area G has corroborated previous results.

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

15 Next WM Committee meeting will be held on October 20, 2010, from 2 p.m. to 4
16 p.m. at the CAB Office in Santa Fe, New Mexico.
17

18 **Board Comments on the Written Reports-**

19 Mr. Phelps asked for questions regarding the reports. No questions or comments
20 were brought forth.
21
22

23 **b. Other Items**

24 Regarding the Chairs' Product from the September 2010 SSAB Chairs Meeting,
25 Mr. Phelps informed the group that they did have a suggestion for a chairs product
26 regarding meetings being open to the public for the Environmental Management
27 Advisory Board (EMAB). This topic was brought up as a comment instead of a letter.
28 This comment was made in lieu of a Chairs product letter and was made directly to Dr.
29 Triay at the SSAB Chairs meeting in Santa Fe.
30
31

32 **VIII. New Business**

33 **a. Report from Nominating Committee**

34 At the May CAB meeting, Mr. Phelps asked for volunteers to form an Ad Hoc
35 Committee for the annual elections to be held at the September 29, 2010 CAB meeting.
36 The following members volunteered:
37

- 38 1. Ms. Pam Henline
- 39 2. Dr. Deb Shaw
- 40 3. Mr. John Lujan

41 Ms. Henline provided a report based on polling efforts of the nominating
42 committee. She reported all feedback the Ad Hoc Committee had received so far was in
43 favor of keeping the status quo—**Mr. Phelps for Chair and Mr. Gallegos for Vice**
44 **Chair.**

b. Election of Chair and Vice Chair

Ms. Henline makes a motion to hold the election by a show of hands and Ms. Mason seconded the motion. The motion was approved. The board elected Mr. Phelps for Chair and Mr. Gallegos for Vice Chair by a unanimous show of hands.

c. 2010 Long Term Surveillance and Maintenance Conference

Mr. Phelps stated that Mr. Gallegos and Mr. Villarreal would be attending the 2010 Long-Term Surveillance and Maintenance Conference to be held November 16-18, 2010 in Grand Junction, Colorado. This conference would provide technical information, education, and networking opportunities for representatives from government agencies, regulatory agencies, political offices, tribal groups, and other stakeholders involved in long-term surveillance and maintenance of remediated sites and facilities.

The 2010 Conference specifically planned to address:

- Planning for Long Term stewardship and Maintenance (LTS&M) during remediation
- Site transition
- Using technology for successful LTS&M
- Property management issues
- Institutional controls
- Political and stakeholder perspectives
- Regulatory issues
- Information management and accessibility
- Renewable energy initiatives
- International perspective

Mr. Gallegos and Mr. Villarreal would bring information from the conference back to the Board for discussion at the January CAB meeting.

d. Appoint Ad Hoc Committee for Annual Evaluation

Mr. Phelps discussed the CAB's Annual Evaluation process, which has primarily been in the form of a survey, created last year by Ms. Henline. The board would complete the survey and the Ad Hoc Committee would compile the results. Mr. Phelps suggested the Ad Hoc Committee could use the same survey but that it was not required. He asked for volunteers to sit on the Ad Hoc Committee.

The following members volunteered:

1. Pam Henline, Lead
2. Robert Gallegos
3. Lawrence Garcia

1 Mr. Phelps thanked the members for volunteering and asked to have the
2 evaluation process completed by December with a status report at the November
3 meeting.

4
5 **e. Other Items**

6 Board members discussed the following topics:

- 7 **1)** The New Mexico Community Foundation, Community Involvement Grant
8 ➤ Members asked what that fund is all about?
9 ➤ How did this grant incorporate for or against this Board's public involvement
10 mission?
11 ➤ What is the function? Some members thought this grant money would be
12 better served for actual clean-up.
13 ➤ Several emails had circulated regarding questions on this topic.
14 ➤ It was agreed that a presentation from the NMCF would be requested to
15 provide additional, more specific information to the board. Ms. Henline wanted
16 to have a presentation in the October EMSR Committee timeslot.
17 **2)** Second item discussed was to offer Mr. Villarreal a spot in an upcoming
18 committee meeting to discuss his theory on naturally occurring uranium.
19 **3)** Also discussed was the plutonium found in a cylinder and the contamination in
20 the surrounding soil that was discovered at MDA-B during the remediation
21 process, which caused a work 'pause'. The material had to be transported safely
22 and dealt with appropriately and that work would continue at the site.
23 **4)** Discussed issue of whether to clean-up a site to industrial or residential
24 standards, budget concerns and the DOE's responsibility to come back to a site if
25 additional material was found.
26 **5)** Baseline funding for remediation projects was discussed as a "number one
27 priority" and making sure that this funding level was maintained to keep up the
28 remediation schedule set out in the Consent Order.
29 **6)** Questions were asked about the status of the 33 shafts at MDA-G. Was there a
30 final decision on whether they were going to be left in place or removed? Mr.
31 Worth stated he would get more information on this issue to bring back to the
32 board and that Mr. Bishop may be able to comment more extensively at the next
33 meeting.
34

35
36 **IX. Items from DDFOs**

37 Mr. Worth stated Mr. Bishop sent his regrets for missing this meeting. He will be
38 in attendance in November and will be covering for Mr. Worth who has obligations to
39 work on a Capitol Assets project and will not be in attendance.

40 Mr. Worth asked about the board's request for presentations in October and
41 further out into the future. The following topics for presentations were discussed:

- 42 **1) LANL Environmental Surveillance Report**
43 **2) The Corrective Measures Evaluation (CME) for Area L and MDA-G**
44 **3) Chromium Update**

1 **4) Primer on radiation in general**

2 **5) Primer on the toxicology on hazardous waste**

3 **6) Update on the 33 Shafts at MDA G**

6 **X. Consideration and Action on FY '11 Committee Work Plans**

7 The board took action on the EMSR and WM Committee Work Plans for FY'11.
8 Both Work Plans had previously been revised and approved in committee. Ms. Henline
9 wanted to attach the Consent Order Schedule of Deliverables to the EMSR Committee
10 Work Plan. **Ms. Henline made a motion to approve the FY'11 committee Work**
11 **Plans with the attached Schedule of Deliverables and Mr. Garcia seconded**
12 **the motion. The Work Plans were unanimously approved.**

15 **XI. Presentation on Air Monitoring at LANL**

16 Mr. Andrew Green provided a Subject Matter Presentation for the Board. Mr.
17 Green's presentation provided an overview of LANL's Air Monitoring Network. Mr.
18 Green's presentation is outlined below:

19 Overall the presentation went over Ambient Air Monitoring, AIRNET station and AIRNET
20 Locations for the LANL Air Monitoring Program.

21 Discussed Quality Objectives for the Program which included:

- 22 • Quality Assurance Plan
- 23 • Field and laboratory quality assurance program
- 24 • Calibration program
- 25 • Non-radiological monitoring
- 26 • Public interest

27 Discussed Non-radiological results for White Rock/ Los Alamos and compared results to
28 the national average all of which return results below maximum concentrations as set
29 out by EPA Standards

30 Explained Special Response programs:

- 31 • High flow rate stations, with generators
- 32 • Deploy within a few hours
- 33 • Submit for analysis within 24 hours

34 Reviewed where data collected was reported:

- 35 • Environmental Surveillance Report
- 36 • EPA (Rad-NESHAP annual report)
- 37 • LANL website (www.lanl.gov/environment/air/airnet.shtml)
- 38 • RACER database (www.racernm.com)

39 Discussed Stack monitoring program:

- 40 • 27 total stacks monitored with AIRNET program, essentially double-counts
41 emissions as appropriate monitor for: particulate matter, vaporous activation
42 products (half-life of days), tritium, gaseous mixed activation products

43 Explained Stack monitoring methods and passed around examples of each:

- 44 • Glass-fiber filter (particulate matter)

- Charcoal (vaporous activation products)
- Bubbler (tritium)
- Flow-through ionization chamber/gamma spectroscopy (gaseous mixed activation products)

Provided Air Results:

- 2009 maximum air pathway dose to a potential member of the public was about 0.5 mrem

Put Results in perspective:

- 2009 maximum air pathway dose is about 0.5 mrem (<10mrem/year limit)
- 2009 maximum all pathway dose is about 1 mrem (<100mrem/year limit)
- Background (natural and man-made) is a few hundred mrem/year.

Mr. Green answered questions from the Board.

XII. Presentation of Stormwater Management at LANL

Mr. Steve Veenis, LANS Project Manager provided a Subject Matter Presentation on the Stormwater Monitoring program at LANL and an update on the National Pollutant Discharge Elimination System (NPDES) permit program as authorized by the Clean Water Act, which controls water pollution by regulating point sources that discharge pollutants into waters of the United States. Point sources are discrete conveyances such as pipes or man-made ditches. Individual homes that are connected to a municipal system, use a septic system, or do not have a surface discharge do not need an NPDES permit; however, industrial, municipal, and other facilities must obtain permits if their discharges go directly to surface waters. Mr. Veenis discussed the Storm Water Individual Permit for the Solid Waste Management Units (SWMUs) at LANL.

Mr. Veenis' presentation is summarized below:

Provided background on the Pajarito Plateau Watershed on which the Lab is located. Discussed the Permit authority and structure:

- EPA is the Administrative Authority
- NMED has the ability to certify compliance with State Water Quality Standards
- DOE and LANS are co-permittees on the individual permit

Described Flow Dissipation Techniques used at LANL:

- Rock Check Dams
- Surface Roughening
- Water Bars
- Georidges
- Weirs
- Sediment Retention/Stabilization Techniques
- Mulch/Hydromulch
- Wattles
- Contour Fell Logs
- Silt Dikes
- Reseeding

- Live Stakes
- Streambank Stabilization
- Run-on Diversion Techniques
- Storm Drain routing
- Asphalt Channel
- Vegetative Swale
- Curbing
- Water Bars
- Drop Inlets
- Earthen Berm
- French Drains
- Gabions

Explained Project Resources Supported by LANL Staff:

- Program employs approximately 15 LANL staff (full-time equivalent)
- Program employs approximately 25 Contractors(full-time equivalent)

Staff Expertise included in project:

- Geologists
- Storm Water Management Water Resource
- Chemists
- GIS
- Engineers
- Statisticians
- Ecologists
- Technicians
- Biologists
- Database Design
- Regulatory Staff

Mr. Veenis answered questions from the Board.

XIII. Public Comment Period

Mr. Phelps announced the board was prepared for public comment. No one signed up for the second opportunity for public comment.

XIV. Fiscal Year 2010 Accomplishments

Mr. Michael Graham, Associate Director for Environmental Programs, LANS Environmental Cleanup, provided a Subject Matter Presentation for Environmental Programs at LANL, which focused on FY'2010 Accomplishments. Mr. Graham's presentation is outlined below.

Discussed Major Work Areas:

- Investigate & remediate hazardous and radioactive waste areas
- Repack and ship legacy transuranic waste containers
- Demolish unused buildings

Described Accomplishments:

American Recovery and Reinvestment Act (ARRA)-

Reduced footprint, changed the Los Alamos skyline-

- 444 jobs created or saved
- 16 of 24 buildings demolished
- 15 of 16 groundwater monitoring wells completed

ARRA: Cleaning the environment-

- Excavation underway at LANL's first landfill (MDA-B) *All digging done inside metal enclosures with air filtration
- Land being cleaned for eventual DOE transfer
- \$105 million of \$212 million spent

Shipments to WIPP-

- Two consecutive record years: 155 and still counting in 2010, 131 shipments in 2009
- FY10 spending was \$75 million

Demolition at Technical Area 54-

- Two domes demolished
- Most recent on September 23, 2010
- Removal of domes allows access to underground, retrievable waste
- Acceleration of WIPP shipping program will allow additional demolition

Getting waste off the Hill-

- Since October 2009, LANL has safely completed...
 - More than 240 chemical or hazardous waste shipments
 - More than 2,100 low-level radioactive waste shipments
 - Non-hazardous, non-rad shipments to industrial waste facilities in Utah and Colorado

Accomplishments – Across the site-

- 385 sites investigated
- 67 sites with no further action (NFA) requested
- 34 certificates of completion received
- 17 major investigations or remediations conducted
- 7,123 investigation samples collected
- 16,000 cubic yards of material transported for disposal
- 2,562 surface water, vapor, and pore gas samples collected
- 365 groundwater locations sampled with 640 samples
- FY10 spending was \$110 million

Accomplishments – Consent Order-

- LANL is committed to compliance
- FY10: All 205 documents submitted on time, still counting . . .
- FY09: All 231 documents delivered on time
- Concentrating FY11 funds on compliance

Discussed Budget for 2011:

- FY11 Administration request: \$196.9M
- \$107M remains from ARRA

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- Working with DOE and NM delegation for additional funds
- Increasing efficiencies to complete more work
 - Already added two buildings to ARRA demolition
 - Added additional groundwater ARRA wells

Outlined economic opportunities for small businesses-

- LANL needs qualified partners to complete drive to 2015 Consent Order Completion
- Cost for cleanup completion is estimated at \$1 Billion+
- New contracting strategy stresses competition and efficiency
- Strategy was successful with ARRA
- Lab will request bids from small business subcontractors

Working in cooperation with neighbors-

- Demolition begins at Technical Area 54, which has been a San Ildefonso Pueblo area of concern
- Memorandum of Understanding for water monitoring and runoff control for Santa Fe water utility
- Getting recognition for cleanup work

Mr. Graham concluded his presentation by stating:

- Lab has Capacity, Plan, and Team in place
 - Performance has greatly improved
 - Major push underway for completion by 2015
- Mr. Graham answered questions from the board.

XV. Adjournment

Mr. Phelps thanked everyone for their participation. **With no further business to discuss, Mr. Worth, Co-DDFO adjourned the meeting at 7:00 p.m.**

Respectfully submitted,



Ralph Phelps, Chair, NNMCAB

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

Attachments:


1. **Final 9-29-10 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.**

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5. Report from Pam Henline, Chair, EMSR Committee.
6. NNMCAB FY'11 Committee Work Plans.
7. PowerPoint Presentation, "Airnet Monitoring at LANL," with Mr. Andrew Green, LANS.
8. PowerPoint Presentation, "NPDES Storm Water Individual Permit for SWMUs," LA-UR: 08-0890 with Mr. Steve Veenis, LANS.
9. PowerPoint Presentation, "Environmental Programs at LANL: FY 2010 Accomplishments," with Mr. Michael Graham, LANS.

Public Notice:

 ***All NNMCAB meetings are recorded. 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.**