

General

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Northern New Mexico Citizens' Advisory Board
A U.S. Department of Energy Site-Specific Advisory Board
94 Cities of Gold Road, Santa Fe, NM 87506
Phone: 505.989.1662 or 1.800.218.5942
www.nnmcab.energy.gov



Sept. 19, 2012

Dear NNMCAB and Liaison Members,

Enclosed is the information you will need for the NNMCAB meeting scheduled for September 26th at the Sagebrush Inn and Conference Center in Taos.

You will be approving your committee work plans for fiscal year 2013 and discussing your meeting schedule for next year. Danny Katzman will be presenting an update on the Chromium and Perchlorate Groundwater Plume and you will get an update from the Liaison members from DOE, NMED, EPA and LANS. You will also be considering Draft Recommendation 2012-03 to the Department of Energy.

For those staying overnight at the Sagebrush Inn, your reservations have been made and I will pay for your room. You will be responsible for any incidentals. All hotel guests are welcome to enjoy a complimentary breakfast at the Sagebrush Inn restaurant on Thursday morning.

Please allow plenty of time to get to Taos by 1:00 p.m. You may want to leave a little early and stop in Velarde and buy some fruit and vegetables from the apple growers in the area.

Chairman Phelps requests that members arrive before 1:00 p.m., so that a quorum may be established promptly. Please bring this packet of information with you to the meeting.

If you are not able to attend the meeting, please request an excused absence from Ed Worth at: Edwin.Worth@nnsa.doe.gov

Kindest regards,

Menice B. Santistevan
Executive Director
NNMCAB Support Office

35493



Northern New Mexico Citizens' Advisory Board Meeting
September 26, 2012
1:00 p.m. to 7:00 p.m.
1508 Paseo Del Pueblo Sur
Sagebrush Inn and Conference Center
Taos, New Mexico 87571

AGENDA

<u>Time</u>	<u>Action</u>	<u>Presenter</u>
1:00 p.m.	Call to Order	Ed Worth, DDFO
	Establishment of a Quorum (11 needed)	
	a. Roll Call	Carolyn Bateman
	b. Excused Absences	
	Welcome and Introductions	Ralph Phelps, Chair
	Approval of Agenda	
	Approval of Minutes of August 29th, 2012	
1:30 p.m.	Public Comment Period	
1:45 p.m.	Old Business	
	a. Written Reports – See Packet Enclosures (5 minutes)	
	b. Other items	
2:00 p.m.	New Business	
	a. Consideration and Action on FY' 13 Committee Work Plans	
	b. Discuss Meeting Locations and Schedule for 2013	
	c. Appoint Ad Hoc Committee for Annual Self Evaluation	
2:30 p.m.	Items from DDFO	Ed Worth
	a. Update from DOE	
	b. Other items	
2:45 p.m.	Break	
3:00 p.m.	Items from Liaison Members	
	a. Environmental Protection Agency (Region 6)	Ed Worth for Rich Mayer
	b. New Mexico Environment Department	John Kieling
	c. Los Alamos Site Office	Pete Maggiore
	d. Los Alamos National Laboratory	Jeffrey Mousseau
4:00 p.m.	Update on Chromium/Perchlorate Groundwater Plume	Danny Katzman, LANS
5:00 p.m.	Dinner Break on the Patio	
6:00 p.m.	Public Comment Period	
6:15 p.m.	Consideration and action on Draft Recommendation(s) to DOE	Ralph Phelps
	• Recommendation 2012-03 "Fiscal Year 2013 and 2014 Budget Appropriation Recommendation"	Carlos Valdez
6:45 p.m.	Wrap-up and Comments from Board Members	Ralph Phelps
7:00 p.m.	Adjourn	Ed Worth, DDFO



Northern New Mexico Citizens' Advisory Board Meeting
August 29, 2012
1:00 p.m. to 5:00 p.m.
Meeting Location: Cities of Gold Conference Center
10-A Cities of Gold Road
Pojoaque, New Mexico 87506

MINUTES

Meeting Attendees:

Department of Energy:

- Kevin Smith, Los Alamos Site Manager
 - Ed Worth, Deputy Designated Federal Officer (DDFO)
 - Christina Houston, DOE/EPO
-

NNMCAB Members:

1. Ralph Phelps, NNMCAB Chair
2. Carlos Valdez, NNMCAB Vice Chair
3. Doug Sayre
4. Brenda Gallegos
5. Mike Loya
6. Lawrence Garcia
7. Joey Tiano
8. Nicole Castellano
9. Joseph Viarrial
10. Bonnie Lucas
11. Kyle Harwood
12. Manuel Pacheco
13. Lawrence Longacre
14. Art Mascarenas

Excused Absences:

1. Adam Duran
2. Deb Shaw
3. Nick Maestas
4. Allison Majure
5. Robert Villarreal
6. Nona Girardi

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NNMCAB Support Staff:

- Menice Santistevan, Executive Director**
 - Grace Roybal, Senior Cost Analyst**
 - Carolyn Bateman, Senior Cost Estimator**
 - Edward Roybal, Sound Technician**
-

Guests:

- Alex Puglisi, City of Santa Fe**
 - Jonathan Phillips, City of Santa Fe**
 - Scott Kovac, Nuclear Watch NM**
 - Jennifer Meisner, DOE EPO**
 - Laura Day, DOE EPO**
 - Robert Pfaff, DOE EPO**
 - Pete Maggiore, DOE EPO/NNSA**
 - Michele Jacquez-Ortiz, U.S. Senator Tom Udall's Office**
 - Colleen Curran, LANL**
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1 **MINUTES**

2 **I. Call to Order**

3 The special meeting of the Northern New Mexico Citizens' Advisory Board (NNMCAB)
4 meeting was held on August 29, 2012 at The Cities of Gold Conference Center in Pojoaque, New
5 Mexico. Mr. Ed Worth, Deputy Designated Federal Officer (DDFO), stated that on behalf of the
6 Department of Energy (DOE), the special meeting of the NNMCAB was called to order at 1:10
7 p.m.

8
9 Mr. Worth recognized Mr. Ralph Phelps as NNMCAB Chair. The Chair presided at the
10 meeting.

11
12 The meeting of the NNMCAB was open to the public and posted in **The Federal Register**
13 in accordance with **The Federal Advisory Committee Act (FACA)**.
14

15
16 **II. Establishment of a Quorum (11 needed)**

17
18 **A. Roll Call**

19 Ms. Bateman conducted roll call as the members arrived. Eleven members were
20 present at the meeting at the time of roll call, which comprised a quorum for conducting
21 business.

22 **B. Excused Absences**

23 Ms. Bateman recorded that Adam Duran, Deb Shaw, Art Mascarenas, Kyle Harwood,
24 Nick Maestas, Nona Girardi, Allison Majure and Robert Villarreal had excused absences for this
25 meeting.
26

27
28 **III. Welcome and Introductions**

29 Mr. Phelps welcomed everyone to the meeting. He asked for introductions from the
30 members and guests in attendance.
31

32
33 **IV. Approval of Agenda**

34 The board reviewed the August 29, 2012 NNMCAB meeting agenda. The board would
35 hear a presentation of the FY '13 Environmental Management Budget and conduct the
36 elections of the Chair and Vice Chair for FY '13.
37

38 **Mike Loya moved to approve the agenda and Doug Sayre seconded the motion. The**
39 **meeting agenda was unanimously approved.**
40

41
42 **V. Approval of Minutes of July 25, 2012**

43 The board reviewed the minutes from the July 25, 2012 NNMCAB meeting. By ongoing
44 instructions from DOE Headquarters, the minutes were previously reviewed and certified by the

1 NNMCAB Chair, Mr. Ralph Phelps. Mr. Phelps stated that the July 25 minutes were included in
 2 the board packets and presented at this meeting for board approval.

3
 4 **Doug Sayre made a motion to accept the July 25, 2012 Meeting Minutes. Manuel**
 5 **Pacheco seconded the motion. The minutes were unanimously approved.**
 6

7
 8 **VI. Public Comment Period**
 9

10 Mr. Scott Kovak signed up for public comment. He thanked the CAB for all the work
 11 they do. Mr. Kovak stated the he had been trying to use Intellus online and found it very
 12 difficult to use. He suggested that the website needed more work, as the regular public may
 13 have more trouble than he did. Mr. Kovak asked that his feedback be directed to the Intellus
 14 developers.

15
 16 No other public comments.

17
 18 Lawrence Longacre spoke about a meeting in Albuquerque in March where several
 19 people signed up for the public comment period. He had suggested that a letter would be
 20 written on behalf of the public representing their concerns. The meeting minutes were not
 21 inclusive of the public comments, and a resolution was offered. Mr. Longacre has chaired the
 22 City of Santa Fe Planning Committee in the past, where they had verbatim records of meetings.
 23 He would like to see a little more depth in the meeting minutes kept by the CAB.
 24

25 Mr. Ralph Phelps thanked Mr. Longacre for his comment and stated that the CAB meets
 26 in a public forum. He stated that the CAB is chartered by the DOE to make recommendations
 27 on legacy waste issues. Listening to the public may not always lead to an action. It may lead to
 28 discussion and eventually a recommendation if the topic is within the scope of the CAB.
 29

30 Ms. Bonnie Lucas also commented that she took notes during that meeting, and there
 31 was a lot of emotion amongst the community. She expressed that she became more aware of
 32 the issues discussed that night and she hoped the CAB would never do away with a public
 33 hearing portion of its meetings.
 34

35 Mr. Manuel Pacheco asked if the CAB (or Committee) had suggested that they would
 36 draft some form of response or support for the people who were at that meeting. Ms. Menice
 37 Santistevan stated that the Executive Committee did review that topic extensively after the
 38 March public meeting in Albuquerque, but it was decided by the leadership of the CAB that this
 39 was out of the CAB's purview to write to the Air Force. It was good information for the CAB and
 40 the public in general. It precipitated a tour of Sandia so the CAB members could get a better
 41 understanding of the relationship Sandia Lab and the environmental restoration programs have
 42 to the plume which was being discussed. The board does not have in its charter that it can
 43 make recommendations to the Mayor of Albuquerque or to the Air Force.
 44

1 Doug Sayre recalled that the public was concerned about what Sandia Labs was doing
2 with its mixed and hazardous waste and requested the CAB take a tour to monitor this
3 situation. The gasoline problem was an issue of the US Air Force (USAF), and the public was
4 advised that there would be a public hearing. The CAB did look into what could be done, and it
5 was thought that since the issue dealt with Kirtland Air Force Base, its input would not be
6 appropriate.

7
8 Mr. Ed Worth stated that he had been looking at the USAF website and stated that there
9 is a public meeting scheduled in October. Mr. Worth suggested attendance as a group, and
10 declared he would gather all the information regarding the meeting and have it distributed if to
11 the CAB members.

12
13 Mr. Mike Loya stated that the issue addressed single hull tanks which were required to
14 be replaced with double hull tanks at the end of 1998. The fuel plume has had skimmer pumps
15 installed on top of the aquifer to skim the fuel off, which takes a long time. He is not aware of
16 how far the plume has migrated since it is a DOD issue, and information or documentation is
17 not available.

18
19 Mr. Lawrence Longacre stated that he felt the NNMCAB members of the board sit in the
20 meetings and soak up what the Lab tells them, not having the knowledge and expertise to
21 challenge what the Lab shares with them. In other meetings, people came from audience with
22 knowledgeable discussions, bona fide, hardcore information from the Lab, but no information
23 was discussed in the meeting minutes. If there are going to be knowledgeable people speaking
24 from the audience, their thoughts and opinions should be acknowledged by recording. This
25 board is here to send recommendations to the Lab, not to have meetings, take field trips, or
26 have nice dinners. That's what we are here about.

27
28 Mr. Longacre wrote a request to the chair requesting a compilation of the
29 recommendations the board has made in the past two years and clarification as to whether
30 there has been offered any innovation that the Board's recommendations have led to, if they
31 were accepted or not and why. There is a letter from all the senators and representatives to
32 the Controller General alluding to the fact that the two main things at Los Alamos are the liquid
33 waste and TRU. Lee Bishop has been telling us how important the waste program is and what
34 they are doing with TRU, but we have no control over the Waste Isolation Pilot Plant (WIPP).
35 Mr. Longacre stated that when he worked at the Lab, he had an annual evaluation, and if he
36 had performed like this board has, he would have been fired. The Board is not living up to its
37 charter of presenting recommendations which are viable to the Lab. The Lab tells the public
38 there is no budget, but don't pound on desks to get the money. There were complaints from
39 the public that CMRR would cost over \$4B, but the public made no reference to the building's
40 waste which it would be exposing to the public.

41
42 Mr. Ralph Phelps stated that he respected Mr. Longacre's input, but thinks he might be
43 off base in a number of areas.

1 Mr. Ed worth spoke about the presentation at the last meeting which Mr. Longacre was
 2 not present for. That presentation detailed the status of the recommendations made by the
 3 CAB in the last two years, what happened with them, what the results, impact and values of the
 4 recommendations were. Mr. Worth offered to provide Mr. Longacre with a copy of the
 5 presentation, and informed him that the presentation was available on the website.
 6

7 Mr. Mike Loya stated that he listened to Mr. Longacre's discussion, and stated it is
 8 evident that he cares about the environment. He went on to say that the CAB was very
 9 instrumental at the end of 2007 when the former Chair and Mr. Loya pummeled Mr. Paul
 10 Hueber about going to casing advanced drilling. He stated that what they did really resonated
 11 putting forth a recommendation and from a practical standpoint, they had the ability to
 12 transfer thoughts into a practical application where the Lab then drilled all the wells casing
 13 advanced. One of the last financial things that Senator Pete Domenici did was get \$26M for
 14 drilling. He ended his comments with the thought that he think things are moving ahead.
 15

16 Ms. Menice Santistevan commented in regards to the minutes and the concerns about
 17 the public comment portion of the CAB meetings. She stated that the CAB support staff is very
 18 careful and detailed when preparing the minutes, and will be careful that Mr. Longacre's
 19 comments are reflected. The video camera is used at the meetings to be able to broadcast the
 20 CAB meetings to the general public. Each CAB meeting is submitted to five public access
 21 channels around Northern New Mexico and shown in their entirety several times during the
 22 course of a month. Anyone can get a copy of the audio and video tapes by requesting the same
 23 at the NNMCAB office. All meetings are documented as required by the Federal Advisory
 24 Committee Act.
 25

26 Mr. Ralph Phelps reaffirmed that the board is the NNMCAB, not the PHD or technical
 27 advisory board for the Lab. The board's objective is to have a balanced and diverse
 28 membership which represents all the communities that are affected by the Labs activities.
 29 Everyone around the table may not have a PHD, but they have a strong interest. It is important
 30 to listen to all comments, opinions and concerns, and each member brings strength to the
 31 group.
 32

33 Mr. Mike Loya stated that for the last three years there has been a continuing resolution
 34 in effect and there has not been any concrete evidence about the future budgets.
 35
 36

37
 38 **VII. Old Business**
 39

- 40 **A. Chair's Report – Mr. Phelps stated that his report was in the meeting packet**
- 41 **and described his activities since the last CAB meeting.**
- 42 **B. Report on Rocky Flats Tour – Mr. Phelps and other members of the CAB stated**
- 43 **how impressed they were with the clean-up at Rocky Flats. The Legacy**
- 44 **Management Office was a great host and provided a very informative tour and**

1 presentation.

- 2 C. Consideration and Action on "Top Issues" for Chairs' Meeting (Tabled from
3 7/25/12). Mr. Phelps stated that the template reflects changes from last
4 meeting. Mr. Phelps opened the floor to comment or discussion. The topics
5 align very closely with the State and Lab objectives. Carlos Valdez asked if the
6 Chromium plume information will be discussed at the Chair's meeting. Ms.
7 Santistevan stated that a Chromium presentation was scheduled for the
8 September 27, 2012 NNM CAB meeting in Taos, NM. Ralph Phelps asked for a
9 motion to approve the "Top Issues" list for the Chair's meeting. Mr. Joey Tiano
10 made the motion to approve; Manuel Pacheco seconded the motion. The "Top
11 Issues" for the Chairs' Meeting was unanimously approved.
12
13

14
15 **VIII. New Business**
16

17 **A. Report from Nominating Committee (Section V, F. of NNM CAB Bylaws)**

18 Ms. Nicole Castellano gave an update of the current nominations for
19 chair and vice chair positions. Nominations were accepted until August 29, 2012.
20 Nominee's responses to accept or decline were made to Ms. Deb Shaw or Ms.
21 Nicole Castellano. Deb Shaw was not present. Ms. Castellano thanked all that
22 were nominated:
23

24 **CHAIR**

25 Carlos Valdez

26 Mike Loya
27

28 **VICE CHAIR**

29 Allison Majure

30 Manuel Pacheco

31 Doug Sayre
32

33 There was a motion to accept nominations from the floor. Nominee's
34 Candidate's Statements were sent out to each board member. Mr. Lawrence
35 Longacre asked if the candidates were allowed to campaign, and requested to
36 hear from each candidate about the direction they propose for the Board.
37

38 Ms. Nicole Castellano added that statements from candidates would be
39 appropriate because not all board members may have had the chance to view
40 the statement submitted by the candidates, at the Chair's discretion.
41

42 Mr. Phelps noted that not all candidates were present.
43

1 Ms. Menice Santistevan reiterated that candidate's statements were sent
2 out in the meeting packets. Mr. Longacre stated that he only has reviewed one
3 statement from Mike Loya. Ms. Santistevan stated that all candidates'
4 statements were included in the review packages, except for a statement from
5 Mr. Manuel Pacheco, as he did not prepare one.
6

7 Mr. Ralph Phelps stated that historically, candidate speeches were not
8 allowed as not all candidates were present. Mr. Phelps made the statement that
9 in light of the fact that all candidates were not present and the board had
10 followed the established procedure, he said that there will be no statements
11 from the candidates given at the meeting.
12

13 Mr. Manuel Pacheco made the motion to close the nominations from the
14 floor and the motion was seconded by Mr. Doug Sayer.
15

16 Mr. Phelps gave voting instructions to the board, asking them to write
17 down one selection for each position, Chair and Vice Chair. Ms. Menice
18 Santistevan and Ms. Grace Roybal would collect and count the votes.
19

20 **B. Election of Chair and Vice Chair for FY '13**
21

22 Mr. Carlos Valdez was elected for NNM CAB Chair and Mr. Manuel
23 Pacheco was elected Vice Chair.
24

25 Mr. Ralph Phelps stated that the elected officials become effective Oct.
26 1, 2012. He stated that the board had great new officers.
27

28 **C. Other Items**
29

30 Mr. Lawrence Garcia stated that he has been thinking about what Mr.
31 Longacre said. Mr. Garcia stated that he would like the CAB to 'start thinking
32 outside the box', making recommendations to DOE for Greater Than class C
33 Waste generated by contractors, hospitals, etc. The DOE is always looking for
34 funding; why not take their (industrial) waste and charge the producers? Mr.
35 Garcia thought it was a positive recommendation to make to DOE to recommend
36 that those owners and contractors pay for their waste. Mr. Garcia would like to
37 look for new ideas that the board can recommend on, and open this topic for
38 discussion.
39

40 Mr. Ralph Phelps agreed that this was a great topic and stated that there
41 was to be a presentation from DOE later in this meeting. Bonnie thinks it's a
42 great idea. Mr. Ed Worth will find point of contact for that topic, perhaps the
43 person responsible for the EIS, Mr. Arnie Edelman at DOE/HQ.

1 Mr. Phelps stated that the board still has the opportunity to submit
 2 recommendations during the remainder of the year, as they had only submitted
 3 two recommendations thus far. Last year, the board submitted seven or eight
 4 recommendations, and he stated that the board was running a little behind. Mr.
 5 Phelps solicited ideas for new recommendations from the board, stating all input
 6 would be welcomed.
 7

8 Mr. Phelps then recognized Michelle Jacquez Ortiz from Senator Udall's
 9 office, and thanked her for her attendance.

10
 11 **IX. Items from DDFO**

12
 13 **A. Update on DOE**

14 Mr. Ed Worth addressed Scott Kovak's comments on Intellus and
 15 requested those comments in written form so he could ensure that they get
 16 forwarded to the correct people.
 17

18 Secondly, Mr. Worth stated that Lee Bishop requested that he report that
 19 everything is still going well with the TRU waste campaign. He stated that they
 20 are on target to meet the shipping goals for the year. The DOE hopes to have a
 21 record year.
 22

23 Thirdly, Mr. Worth reported that Mr. Kevin Smith will be briefing the CAB
 24 today, presenting an overview of the LANL mission including slides on EM which
 25 Mr. Worth contributed information and data. All data is verified with lab and
 26 found out there are 2 plumes. The Chromium plume has an associated plume of
 27 Perchlorate with the same flow path as the Chromium but from a different
 28 source. During the September 26th CAB meeting, the board will hear a
 29 Chromium briefing which will include information regarding Perchlorate. Mr.
 30 Danny Katzman will make the presentation.
 31

32 Mr. Worth then discussed the presence of a high explosive chemical
 33 known as RDX detected in the groundwater at TA-16. The levels are still below
 34 standards, and this is another area that the board should keep a focus on. Mr.
 35 Worth will provide an informational briefing on RDX as well.
 36

37 Mr. Worth then opened the floor for questions, and mentioned that the
 38 board may have heard about the release of Technisium-99 at the Lab. Mr. Kevin
 39 Smith will discuss that during his briefing today and he has all the latest
 40 information regarding this topic.
 41

42 **B. Other Items**

43 No other items were discussed.

1
2
3 **X. Presentation on the FY '13 EM Budget**

4 Mr. Ralph Phelps introduced Terry Tyborowski, Deputy Assistant Secretary for
5 Budget and Strategic Planning at the DOE EM headquarters. Ms. Tyborowski provided
6 an update on the FY13 EM Budget via teleconference.
7

8 Ms. Tyborowski recited her credentials and background, stating that she had
9 been with DOE EM from 1991 – 1997, and then joined the appropriations committee in
10 2005. She then returned to the DOE, and stated that she has a macro-perspective of
11 Federal funding and the EM budget.
12

13 After discussing some of the historic financial figures for the DOE, Ms.
14 Tyborowski stated that the DOE had requested \$5.6 Billion and we have two marks; the
15 House Appropriations Committee has marked the DOE at \$5.5 billion and the Senate at
16 \$5.7 billion. The EM program has a difference in what it might be provided in the
17 annual appropriations bill. She stated that hopefully they will split the difference,
18 putting the amount back at the requested \$5.6 billion. This would be the case if they
19 went through the normal appropriations process; however, most are aware of the
20 government disagreement in federal spending. In the beginning of FY 2012, there was a
21 Budget Control Act which set spending targets for FY '12 and FY '13. Part of the
22 condition of that Act was that if the government did not reach an agreement on
23 spending targets that on Jan. 1, 2013 there would be a cut on government spending
24 across the board. That would mean \$5.1B for Environmental Management, almost a
25 \$500M cut from what is expected in 2013.
26

27 Ms. Tyborowski went on to say that it appeared there would be a Continuing
28 Resolution enacted in about a month, Oct. 1, 2012. Before the Congress convened for
29 its August recess, Senator Reed and House Speaker Boehner made an announcement
30 that the government would be under a Continuing Resolution when they got back in
31 September, so the government would not shut down. We have a number based on
32 what we think the Continuing Resolution would be for the Environmental Management
33 program funding of \$5.3B, down from the requested \$5.65B. Everything is still up in the
34 air as the Department of Energy does not know what number to plan for.
35 The members of Congress reconvene next week, and hopefully the government will not
36 be shut down.
37

38 More thoughts on what the Continuing Resolution might include EM being asked
39 to be at a level control point of projects and activity spending. For Los Alamos, that
40 would mean that as an NNSA site, funding for FY13 could be lower than FY12. The
41 Budget and Strategic Planning Office are keeping a very close eye on it and watching
42 very patiently. Ms. Tyborowski concluded that she had no other formal remarks, and
43 asked if there were any questions.
44

1 Mr. Carlos Valdez inquired that if the government is still on a Continuing
2 Resolution in January, would there still be a 10% reduction in budgets. Ms. Tyborowski
3 replied that the government has to be prudent in fiscal expenditures. If the Continuing
4 Resolution is passed for six months, the Department of Energy EM program would get
5 one half of the \$5.6B allocation. The Budget Control Act of 2012 would put the EM
6 program at \$5.1B. Thinking about it mechanically, if the CR is at \$5.3B but the standing
7 legislation places us at \$5.1B; we may get some money at \$5.3B, but can only spend it as
8 fast as \$5.1B. When the members of Congress convene in December, they may address
9 the January 1st date because it has a tremendous impact across the government. Keep
10 your eye on what Congress is reporting about the Budget Control Act and sequestration.
11

12 Mr. Lawrence Longacre stated that everything seems so classified and secretive
13 since the Atomic Energy law was passed in 1948. He doubts that members of Congress
14 know what the Lab does. There are many programs that are not of interest or value to
15 him or the rest of the people at the meeting, such as making instruments which search
16 for water on the planet Mars, and other programs which appear to be the whim of some
17 of the scientists. A lot of programs are not directly connected with national defense.
18 Mr. Longacre asked if it was possible for the CAB to recommend that funds are deferred
19 from other programs to the clean-up efforts. Get the money even if we have to cut non-
20 essential projects.
21

22 Ms. Cate Alexander, Designated Federal Officer, responded to this question from
23 Ms. Tyborowski's office. She stated that this was a question of scope and how funds are
24 allocated. The EM Program is authorized and allocated differently than NNSA and other
25 DOE funded programs and projects. It isn't a matter of shuffling money between the
26 two programs. Also, the Board's mission lies within EM and they are asked to give
27 advice to the program in the scope of Environmental Management activities, even if
28 they are in conjunction with other programs, such as NNSA.
29

30 Mr. Scott Kovak, Nuclear Watch New Mexico, addressed Ms. Tyborowski and Ms.
31 Alexander stating that the DOE came out with a new program for stakeholder input into
32 budgets and he is not clear if the NNMCAB had any input on it. He wanted to make sure
33 the CAB is included in the FY '15 budget recommendations next spring.
34

35 Ms. Tyborowski replied that if Mr. Kovak was referring to the budget process,
36 DOE asks that the community engage with the site to layout what the priorities are. The
37 sites take that information into consideration as they formulate their budgets. Ms.
38 Alexander added a confirmation of this process.
39

40 Ms. Nicole Castellano asked if this meant that as the CAB is actually able to
41 request a general overview of a list of projects that each site has on the table. For those
42 projects that may not have even started yet, she asked if the CAB may make
43 recommendation on priorities. The CAB will be requesting a list of future projects from
44 LANL for which they can make recommendations.

1
2 Ms. Tyborowski clarified the proper sequence of events. It is the expectation
3 that when the Office of Strategic Planning and Budget sends out guidance to the field
4 sites, they ask that the sites engage with the local community and the CAB. It is the
5 expectation that the CAB would work directly with the Site Office and develop a list of
6 priorities. After that, the Site Manager receives input and formulates his budget
7 accordingly. At that point, the information becomes embargoed. The input period is
8 before these decisions are made at the site level.
9

10 She went on to say that the executive budget development process is
11 embargoed after the Site Manager forms the budget, after receiving input from his staff.
12 The site budget supports the President's priorities. Once the President's Office of
13 Budget and Management determines that the budget supports the President's
14 priorities, the information is made public and it is released in January and February to
15 Congress.
16

17 Mr. Ed Worth offered thanks on behalf of the CAB to Ms. Tyborowski and Ms.
18 Alexander for taking the time to address the CAB. He stated that the insight provided
19 was very valuable and may help to form recommendations from the CAB in the future.
20 Ms. Tyborowski stated that she looked forward to meeting the new Chair and Vice Chair
21 in person in October.
22

23 Mr. Lawrence Longacre was asked to continue his question which was started
24 before the conference call. Regarding the tour at Rocky Flats, Mr. Longacre stated that
25 he inquired about all the programs and problems they had there. He asked if the local
26 CAB office was involved there and was told that it was not for the most part because the
27 Rocky Flats management would discover a problem and call in professionals to deal with
28 it. Mr. Longacre is suspicious that the Lab does not always tell us what we need to
29 know, and that they are not in a full disclosure mode. Besides the TRU waste and the 33
30 shafts, Mr. Longacre asked if Mr. Worth could tell the CAB what other issues can be
31 addressed by the CAB.
32

33 Mr. Worth stated that it is incumbent on DOE and the site office to make sure
34 that the CAB is aware of all environmental issues, so that they can make informed
35 recommendations.
36

37 Mr. Longacre asked if Mr. Worth thought that the board could make a diplomatic
38 recommendation to cut out funding on non-essential projects, and devote the funds to
39 the clean-up efforts. Mr. Longacre described his understanding of the ballet of federal
40 funding. He feels that when it comes to national defense and terrorism, congress gives
41 the NNSA a blank check which they can spend any way they want except for clean-up
42 efforts. Deferring some money to clean up might eliminate the repetitive story of
43 "there's no money for clean up".
44

1 Mr. Bob Pfaff, Business and Technical Lead for the Environmental Programs
 2 Office at Los Alamos introduced himself as the person who generally coordinates the
 3 budget requests for EM for Los Alamos. He addressed Mr. Longacre's questions, stating
 4 that there are two separate budget requests at Los Alamos; the NNSA ("non-essential"
 5 programs) and the EM cleanup efforts. The funding cannot be mixed as in the scenario
 6 that Mr. Longacre is describing because it would be a violation of appropriation laws.
 7 Mr. Pfaff recommended that when the CAB prepares recommendations, that a copy be
 8 sent to Mr. Thomas D'Agostino of the NNSA. He over sees EM efforts to a degree, and
 9 will work to coordinate with EM, work with Congressional appropriation committees to
 10 lower NNSA budget and raise the EM budget. Mr. Pfaff stated that idea is not
 11 impossible, but as the expression goes "it would take an act of Congress".
 12

13 Mr. Lawrence Longacre stated that laws can be changed. If this committee
 14 would tell them this is what they want, knowing full well ahead of time and because of
 15 all the intricacies of the federal government, he would be satisfied just for the sake of
 16 brashness if the board could make the recommendation to divert funds from NNSA to
 17 EM clean up. Mr. Pfaff stated that there is no reason the board can't make these
 18 recommendations, but it would have to be sent through Mr. D'Agostino and Mr.
 19 Huizenga, and work with EM and the field office as they would need to be involved.
 20

21 Mr. Carlos Valdez inquired if there has been a response to CAB Recommendation
 22 2012-02. Ms. Cate Alexander was crafting a draft answer to that recommendation.
 23

24 NNM CAB took a 15 minute recess.
 25

26
 27 **XI. Update from Los Alamos Site Manager**
 28

29 Mr. Ralph Phelps introduced Mr. Kevin Smith, who provided a briefing of the LAB
 30 mission.
 31

32 Mr. Ralph Phelps thanked Mr. Smith for a great oversight presentation which
 33 included information regarding the 50 year plan and regional activity that extends
 34 beyond the boundaries of LANL. An audio and/or electronic copy of the presentation
 35 may be obtained at the NNM CAB office.
 36

37 Questions regarding Mr. Smith's presentation included topics of future Land
 38 Turnovers being part of the 50 year plan as well as the recent Technetium 99
 39 contamination at the Lujan facility.
 40

41 Mr. Smith included information regarding the recent Technetium 99
 42 contamination at the Lujan Center, indicating there will be an independent investigation
 43 with the Inspector General's Office. He stated that the EM office has remained
 44 transparent and forth-coming during this incident. He stated that the contamination

1 was not a public health and safety risk, but rather an inconvenient occurrence and
2 another mark as to why the CAB is so important. A publically released report will be
3 issued if sensitive information is not included, and the CAB will be briefed along with the
4 community. It will take several weeks to complete the investigation.
5

6 Mr. Phelps inquired if there was going to be an independent review or oversight
7 of the 50 Year plan for LANL to periodically monitor how things are going. Mr. Smith
8 replied that it may not be obvious, but the Site Office is an arm of independent
9 oversight, and is as aggressive in providing oversight for RAD as NNSA is. The data
10 provided by the Pueblos sampling will be included in the Lab's database as a form of
11 transparency to demonstrate that the Lab is maintaining all its commitments for long
12 term stewardship.
13

14 In response to an inquiry regarding land transfer from Mr. Phelps, Mr. Smith
15 explained that there are approximately 1,400 acres of LANL property scheduled to be
16 transferred by the end of the year. Property recipients include the Pueblo de San
17 Ildefonso and the National Parks. The transfer of 884.6 Acres in Sandia Canyon is
18 included on this year's agenda.
19

20 Mr. Doug Sayer inquired about Tech Area 21 and what is anticipated for MDA-A
21 and MDA-C. Mr. Sayer stated that he understood there were large amounts of
22 uncalculated waste in these areas and what sort of assessments are available for review.
23

24 Mr. Smith responded that Tech Area 21 is a complex area. The General's Tanks
25 results are available for review. MDA-A and MDA-T are secure as they stand today.
26 Prioritizing the TRU cleanup pushes MDA-A and MDA-T work into the out years. MDA-T
27 final disposition may be a long term monitoring as it may be too risky to remove the
28 waste. Final decisions are in the hands of the New Mexico Environment Department.
29 There is a need for more money or a technical breakthrough on how to clean-up these
30 waste areas better and more safely.
31

32 Mr. Joey Tiano asked if it would be smart to attract talent and incentivize
33 employees financially to develop great ideas in solar power, etc. Each program is
34 reviewed and approved separately by Mr. Smith. At SRS, the professional were charged
35 with the responsibility of how to develop waste storage in glass. Incentives are being
36 offered. WIPP benefitted very much from the LANL TRU program.
37

38 Mr. Sayer asked if budgets for the MDA-A and MDA-T waster removals have
39 been established. Mr. Smith responded that parametric estimates have been
40 completed, and he knows that it will be very expensive, but it is too premature to tell
41 until further investigations are completed.
42

43 Mr. Joey Tiano asked if companies had to bid on the Operations of the LAB.
44 LANS is a consortium which performs all sorts of experiments and technologies. When

1 something is discovered or approved, he asked who the trademarks belong to. Mr.
 2 Smith stated that it depended on the contract structures. There are several established
 3 partnerships with major corporations such as Shell, for instance.
 4

5 Mr. Tiano stated that the space program collects an enormous amount of
 6 intellectual property and asked if any of that money comes back to LANL. Mr. Smith
 7 replied that that there is no profit in Government work. The Mars rover, for instance,
 8 was a NASA contract.
 9

10 Mr. Tiano stated that there was an \$80B bail out by congress, and he thought the
 11 government should spend more on EM. Billions to trillions of dollars go to government.
 12 Mr. Smith stated that New Mexico has been very active in sending messages to
 13 Washington D.C. through Governor Susana Martinez and Mayor Coss and other
 14 members of the Regional Coalition of LANL Communities. All went to enlist and redirect
 15 funds to NM. There are opportunities for citizens to have their voice and preferences
 16 known.
 17

18 Ms. Bonnie Lucas acknowledged the tremendous responsibility Mr. Smith has to
 19 the world and New Mexico and thanked him for his work and dedication.
 20

21 Mr. Smith stated that the CAB's voice is very important. He reads and has the
 22 responsibility for each of the CAB's recommendations and takes them very seriously.
 23 Mr. Smith understands because he lives and works in Los Alamos too and is very much
 24 involved in the community; he drinks the water and breathes the air. Mr. Smith
 25 encouraged the CAB members to talk to their neighbors and encourage them to make
 26 their voices heard. Mr. Smith closed by stating that he values what the Board does, and
 27 is absolutely committed to doing the long term environmental stewardship activities
 28 required by the Los Alamos site, and sustaining the environment for the future.
 29
 30

31
 32 **XII. Presentation on the Intellus**
 33

34 Mr. Ralph Phelps introduced Karen Schultz-Paige who offered a presentation
 35 highlighting Intellus, a Cloud based Database for air, water and biota data. An audio
 36 copy of the presentation can be obtained at the NNM CAB office.
 37

38 Ms. Schultz-Paige informed the Board that the database administrators have
 39 been loading older air and ambient air monitoring program (1950's) data. Mr. Manuel
 40 Pacheco asked if there was any classified environmental data shown on this system and
 41 was assured there is not.
 42

43 Mr. Doug Sayre asked if Buckman Direct Diversion (BDD) data was being loaded.
 44 Ms. Schultz-Paige stated she was not familiar with BDD, but if LANL has collected this

1 data, it will be included in the database.
2

3 Mr. Lawrence Longacre asked how the database can resolve conflicts in data
4 from different sources. Mr. Kyle Harwood stated that the BDD Memorandum of
5 Understanding goes a long way to answer these questions by using out of state, third
6 party samples, which mitigates the differences.
7

8 Mr. Alex Puglisi, with the City of Santa Fe, stated there was no outlet for
9 feedback available in Intellus to report discrepancies— just a “contact us” button by
10 email.
11

12 Mr. Scott Kovak asked what the annual budget for Intellus was. Ms. Schultz-
13 Paige stated that she did not know for sure and would have to get back to Mr. Kovak
14 with an answer.
15

16 Mr. Lawrence Garcia inquired about data quality checks. Ms. Schultz-Paige
17 stated that LANL does a lot of checks, and that approximately 2% of data is rejected –
18 quality is pretty tight.
19

20 Mr. Garcia then asked if once a problem is caught, are there configuration
21 changes put in place to catch it next time. Ms. Schultz-Paige assured him there are.
22

23 Ms. Collen Curan spoke from the audience to explain that the purpose of Intellus
24 is to display the data, not to make a judgment of the data. Lab quality control systems
25 are in effect.
26

27 Ms. Schultz-Paige conducted a live demonstration of the Intellus Website.
28

29
30 **XIII. Wrap-Up**

31
32 Mr. Phelps opened the floor to general comments.
33

34 Chair Elect Carlos Valdez stated that he enjoyed Mr. Smith’s presentation and
35 would like to obtain a copy of it.
36

37 Mr. Doug Sayer thought the presentations were very informative and well worth
38 the CAB’s time. He stated he was interested in getting to look at the Intellus data, and
39 commended Mr. Phelps’ leadership of the CAB.
40

41 Mr. Manuel Pacheco thanked the board for his election as Vice Chair and stated
42 Mr. Phelps has done a wonderful job in steering “this ship”.

1 Mr. Ed Worth expressed congratulations to the newly elected Chair and Vice
2 Chair and thanked all who accepted nominations. He looks forward to seeing the CAB
3 members again at the September 26th full board meeting in Taos, NM.
4

5 Ms. Menice Santistevan also congratulated Mr. Valdez and Pacheco and offered
6 the support staff's help with their huge responsibility. Ms. Santistevan inquired by a
7 show of hands, how many CAB members will stay overnight in Taos, on Sept. 26th. She is
8 reserving a block of rooms at the Sagebrush Inn; please coordinate with Ms. Santistevan
9 regarding arrangements.
10

11 Mr. Joey Tiano also congratulated the election winners and stated he looked
12 forward to working with them.
13

14 Mr. Art Mascarenas congratulated the newly elected officers and offered his
15 thanks to Mr. Ralph Phelps. He stated it was a great meeting.
16

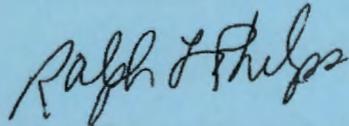
17 Mr. Lawrence Garcia also congratulated the election winners and stated they will
18 do very well in these roles. Mr. Garcia stated that Mr. Phelps has been a key player to
19 the CAB and we look up to him and the CAB staff. Mr. Garcia stated he would like more
20 information regarding the process of requesting budget changes and asked if similar
21 distribution charts (from Mr. Smith's presentation) were available from other sites. He
22 feels that New Mexico is short changed and would like to take a different approach on
23 ultimately effecting funding.
24

25 Mr. Ed Worth introduced Ms. Christina Houston, DOE-EPO as the designated
26 alternate DDFO to act on his behalf, should he not be available.
27

28
29 **XVI. Adjournment**

30
31 With no further business to discuss, Mr. Phelps adjourned the meeting at 5:07 p.m.
32

33 **Respectfully submitted,**

34 

35 **Ralph Phelps, Chair, NNM CAB**

36
37 **Minutes prepared by Carolyn Bateman, Sr. Cost Estimator, PT&C*
38

39 **Attachments:**

- 40 1. Final 8-29-2012 NNM CAB Meeting Agenda
41 2. Final 7-25-2012 NNM CAB Meeting Minutes

1 3. Report from Ralph Phelps, NNMCAB Chair
2

3
4 **Public Notice:**

5  *All NNMCAB meetings are recorded. Audiotapes have been placed on file for review at
6 the NNMCAB Office, 94 Cities of Gold Road, Santa Fe, New Mexico, 87506.

7  *Reference documents listed in the Appendix section of these minutes may be requested
8 for review at the NNMCAB office in Pojoaque by calling (505) 989-1662.

REPORT FROM THE CHAIR

NORTHERN NEW MEXICO CITIZENS ADVISORY BOARD

SEPTEMBER 26, 2012 BOARD MEETING

TAOS, NEW MEXICO

1. Routine Chair Activities since last NNM CAB meeting on 8-29-12:

A. Executive Committee and WM/EM Committee meetings were held on Sept. 12, 2012:

- 1. The talking points and crosscutting issues for the CAB priority items to be presented at the Chairs Meeting were reviewed.**
- 2. The agenda for the 9-26-12 CAB meeting was approved.**
- 3. The 2013 CAB meeting schedule was approved.**
- 4. Work Plans for the Committees for 2013 were reviewed, modified and are ready for discussion and final approval at the 9-26-12 CAB meeting.**
- 5. The Buckman Diversion tour was set for May, 2013.**
- 6. The Vice Chair drafted a Recommendation for approval at the 9-26-12 CAB meeting on the importance of baseline funding for LANL environmental restoration work in 2013 and 2014 as congress debates the continuing resolution and subsequent budgets.**
- 7. Danny Katzman (LANL) briefed the committees on the measurement of flows and contaminants in stormwater and the effects of the Las Conchas fire around LANL.**

2. SSAB Related Chair Activities since last NNM CAB meeting on 8-29-12:

No activity to report.

3. Other Related Chair Activities

- A. The Chair was invited to participate on two panels at the Waste Management 2013 Conference next February. One is on the importance of diversity in CAB membership and one is on the effects of fires at LANL and resulting actions.**

Submitted by:

Ralph Phelps

Chair, NNM CAB

9-15-2012

**Northern New Mexico Citizens' Advisory Board
Executive Director's Report
September 26th, 2012**

Board Membership: The NNM CAB is currently comprised of 20 members. The next nomination packet is due to HQ in December. Recruitment of new members is currently under way through the fall. If you know of someone who may be interested and you feel would be a good fit, please let me know.

Executive Committee Meetings: The Committee met on Sept. 12, 2012. The committee members heard reports from the Chair and Vice-Chair, Committee Chairs, and Executive Director. The final agenda was approved for this meeting and the draft meeting schedule for 2013 was approved. The committee also discussed talking points for the Chairs' meeting scheduled Oct. 2 and 3 at DOE/HQ. A request was made for a future presentation and a tour of the Buckman Diversion Project. Both were tentatively scheduled for May 22, 2013.

Board Meeting Preparations: I prepared the final agenda for the special meeting on Aug. 29th and for this meeting and placed meeting notices in *The Federal Register*, in compliance with the Federal Advisory Committee Act. I made all arrangements at the Cities of Gold Conference Center and at the Sagebrush Inn, including meeting room set-up and catering. An advertisement was placed in the *Santa Fe New Mexican* and in *The Taos News*. All meeting materials were copied and collated by Grace Roybal and approximately 60 meeting packets were mailed out on Aug. 22nd and on Sept. 20 to NNM CAB Members, Pueblo Governors, the Congressional Delegation and DOE and LANL personnel.

Outreach: I will continue our recruitment efforts and will especially concentrate on recruiting members from the surrounding pueblos and young people from our local colleges and universities. If you know of anyone who might be interested, I would appreciate your help in recruiting that person. Portions of the July 25th and Aug. 29th meeting have been telecast several times on public access channels in Santa Fe, Albuquerque, Los Alamos and Taos. It is also on YouTube.

Office Management: Grace Roybal and I have been assisting with projected costs for new NNM CAB office expenses and NNM CAB travel in 2013. The staff supported all meetings with preparation of notices, agendas and minutes. The NNM CAB staff also hosted three off-site meetings of DOE and or LANS. The NNM CAB office also houses the LANL Public Reading Room.

Important Upcoming Dates:

October 2-3, Chairs' Meeting in Washington D.C.

October 17th, Executive Committee and Combined Committee meetings at NNM CAB office

November 14th Committee meetings at NNM CAB office

November 28th, NNM CAB Bi-monthly meeting at Cities of Gold Conference Center

Respectfully submitted,



**Menice B. Santistevan
Executive Director**

**Northern New Mexico Citizens' Advisory Board (NNMCAB)
ENVIRONMENTAL MONITORING and REMEDIATION
COMMITTEE
2013 Work Plan**

SECTION I. MISSION STATEMENT

The Northern New Mexico Citizens Advisory Board's (NNMCAB) Environmental Monitoring and Remediation (EM&R) Committee provides a citizen's perspective to the Department of Energy (DOE) on current and future environmental remediation activities resulting from historical Los Alamos National Laboratory (LANL) operations. The EM&R Committee will keep abreast of DOE and LANL's Environmental Restoration and Long Term Environmental Stewardship programs and plans. The committee will work with DOE and LANL to provide assistance in determining priorities and the best use of limited funds and time. Formal recommendations will be created when needed, and after approval, sent to the DOE for action representing the NNMCAB's position on issues pertaining to groundwater, surface water and compliance with the New Mexico Environment Depart (NMED) Order on Consent. The EM&R committee will also work to ensure early, ongoing community access to LANL Environmental Remediation and Stewardship information and to increase community dialogue that improves the quality of the decision making process of DOE and LANL.

SECTION II. Action Items

1. Groundwater
 - a. Technical Area-54 (TA-54).
 - b. Technical Area-21 (TA-21).
 - c. Riparian Systems- investigate appropriate native species.
 - d. Follow up on new wells.
 - e. Integration of wells and comprehensive water plan.
 - f. Buckman Area Investigations.

2. Surface Water- Sediment Transport and Storm water
 - a. LA Pueblo Canyon Drainage
 - b. EPA Storm Water Permit.

- c. Sediment Containment Projects.
 - d. Buckman Diversion Project.
 - e. Riparian Systems- investigate appropriate native species
 - f. Chromium/perchlorate groundwater plume
- 3. Consent Order**
- a. Integrated Schedule from DOE/LANS- attach schedule
 - b. Consider priorities for FY '13 budget.
 - c. Review important documents / dates for deliverables which are due in FY '13.
- 4. Ongoing Priorities:**
- a. Study possible contaminant pathways for the MDAs, i.e. erosion, windstorms and waterborne pathways.
 - b. Long term stewardship plans, use of restored lands, e.g., energy parks, commercial and residential considerations. Future funding availability will be a major factor in defining priorities.
 - c. Support Community Outreach opportunities.
 - d. Respond to new situations as they arise.
 - e. Corrective Measures Evaluations for MDA's G, H, L and C
 - f. Las Conchas Fire Erosion Issues
- 5. Mid Year Review of Work Plan- (March time frame)**
-

**Northern New Mexico Citizens' Advisory Board (NNMCAB)
WASTE MANAGEMENT COMMITTEE
2013 Work Plan**

SECTION I. MISSION STATEMENT

The Northern New Mexico Citizens' Advisory Board (NNMCAB) Waste Management (WM) Committee reviews policies, practices and procedures, existing and proposed so as to provide recommendations, advice, suggestions and opinions to the US Department of Energy (DOE), regarding the Waste Management Operations of the Los Alamos National Laboratory (LANL). The committee also facilitates community awareness and access to LANL waste management practices and procedures.

SECTION II. Action Items

1. **Closely monitor the remediation activities at Technical Area-21 (TA-21) and MDA C and be in a position to make recommendations from a public standpoint.**

Specific issues include:

- a. Disposal and transportation of waste generated in the operation
- b. Determine the nature and degree of Tritium contamination.
- c. Examine potential for Land Use Turnover
- d. Transition to TA-21 to base program
- e. MDA's A, T (Including General's Tanks)
- f. Long term Stewardship

2. **Technical Area-54 (TA-54) Remediation.**

It is incumbent upon the WM Committee to become thoroughly familiar with the Corrective Measures Evaluations (CMEs) as they develop in order to make informed recommendations.

Specific issues include:

- a. Disposal of above-ground stored waste, e.g., Transuranic (TRU) and High Level Waste (HLW). It is well underway but CAB should continue to monitor
- b. Subsurface remediation in the event that buried waste is left in place

- c. Recurring request for each meeting, brief update on the Corrective Measures Evaluations (CMEs)
 - d. Monitor path forward for 33 Shafts of High Level Waste (HLW)
 - e. Low Level waste disposal after closure of Area G
 - f. Transportation issues are and will be major factors in future low level waste disposition decisions
 - g. Look at onsite versus offsite option for waste disposal
- 3. Continue with Priority #1 from FY'10, i.e. options evaluation employing risk/benefit principles.**
- a. It is essential that remediation options be presented in detail to the CAB. It is also valuable to have LANL updates on groundwater data acquisition, analysis and the overall monitoring system. This effort should be in conjunction with the EMSR Committee.
- 4. Technical Area-49 (Remediation)**
Specific issues include:
- a. Inventory of all Pu present, including isotopes
 - b. Possible pathways for migration of Pu
 - c. Extent of contamination
- 5. Consider priorities for FY'12 Budget.**
- 6. Consent Order Deliverables**
- a. Integrated Schedule from DOE/LANS- attach schedule
- 7. Ongoing Priorities:**
- a. Study possible contaminant pathways for the MDAs, i.e. erosion, windstorms and waterborne pathways
 - b. Long term management plans, use of restored lands, e.g., energy parks, commercial and residential considerations
 - c. Future funding availability will be a major factor in defining priorities
- 8. Support Community Outreach opportunities.**
- 9. Respond to new situations as they arise.**
- 10. Mid Year Review of Work Plan- (March time frame)**
-

1 **NORTHERN NEW MEXICO CITIZENS' ADVISORY BOARD**
2 **Recommendation to the Department of Energy**
3 **"Fiscal Year 2013 and 2014 Budget Appropriation Recommendation"**
4 **No. 2012-03**

5 **Carlos Valdez, Primary Author**

6
7 Los Alamos National Laboratory (LANL), the Department of Energy (DOE), and the New Mexico
8 Environment Department (NMED), signed the Order on Consent, for clean-up of Legacy and Cold War
9 wastes in March 2005. In this document, LANL agreed to a schedule for completion of cleanup at
10 specified sites on the LANL grounds. At the time of signing this agreement, both sides indicated that
11 appropriate cleanup could be completed by the end of 2015. DOE EM agreed to provide sufficient
12 funding to the Environment Management (EM) of LANL to meet the cleanup timeframe. To date,
13 federal funding has not been sufficient to meet these timeframes.

14
15 Since Operating Budgets have not been sufficiently funded to carry out the requirements in the Order on
16 Consent, LANL and NMED have had to renegotiate the work priorities and deadlines. On October 1,
17 2011, a "Framework Agreement" was reached, wherein LANL agreed to remove 3,706 cubic meters of
18 non-cemented, above ground TRU waste by June 3, 2014. In order to accomplish this goal, sufficient
19 funding is vital to complete the necessary work.

20
21 **Comments and Observations**

22
23 According to the Office of Environmental Management FY 2013 Budget Request, LANL's Base Budget
24 Request is approximately \$239.1 million. The Executive Budget Request submitted for FY 14 was
25 \$239.1 million. Since then, the Senate modified the FY '14 amount to \$235.0 million, and the House
26 modified the amount to \$217.0 million. To this day, the federal government operates under a Continued
27 Resolution, thus jeopardizing the schedule for LANL's clean-up efforts.

28
29 The Northern New Mexico Citizen's Advisory Board (NNMCAB) has consistently recommended as one
30 of its "Top Three Issues" reported to EM Headquarters, the full budget baseline funding of the LANL
31 EM work. In addition, LANL budget prioritization is an Action Item on both the Waste Management
32 subcommittee, and the Environmental Monitoring, Remediation and Surveillance subcommittee within
33 the CAB.

34
35
36 **Recommendation**

- 37
38 1. The NNMCAB recommends that DOE Headquarters inform the Appropriations Committee
39 of Congress, that in order for LANL- EM to continue the progress on the scope of work
40 included in the Consent Order, and to address health and safety issues in and around the
41 Los Alamos area, full baseline funding included in the Executive Budget Request is
42 necessary. Any decrease from that amount would be detrimental to established deadlines
43 in the Consent Order and the Framework Agreement between LANL and NMED.
44 2. The NNMCAB acknowledges that the funding issues associated with the current

45 Continuing Resolution budget will have a negative impact on Environmental Restoration
46 work around the complex. The NNMCAB is nevertheless very concerned about the
47 potential for increased risk to both groundwater and the Rio Grande from any delays in the
48 remediation of LANL wastes created by budget shortfalls. Therefore, we recommend that
49 DOE EM pursue as strongly as possible the full baseline funding for LANL EM work.
50

51 **Intent**

52
53 It is the intent of the NNMCAB to support FY 2013 and FY 2014 funding for LANL at levels that will
54 adequately support clean-up work in progress, in order to complete scope on the Consent Order schedule
55 deadlines, and to meet LANL, NMED, and DOE EM agreed upon goals.
56

57
58 **References**

- 59
60 1. Compliance Order on Consent, signed March 1, 2005
61
62 2. FY 2014 Budget Request, Office of Environment Management, David Huizenga, February 13, 2012
63
64 3. Los Alamos National Laboratory 3706 Transuranic Waste Campaign, presented by M. Lee Bishop,
65 January 5, 2015
66
67
-



VNA hosts mixer

Members of the Los Alamos Visiting Nurses Association and the Los Alamos Chamber of Commerce recently came together to celebrate and talk about the LAVNA's latest project at the old Scout Lodge on Canyon Road. The "Food and Networking" (FAN) event focuses on building Los Alamos' first hospice. Though plans aren't final yet, the LAVNA plans to move to the site in October and start the project in earnest. TRIS DEROMA/Courtesy

Advisory board elects new officers

Citizen panel:
Valdez and Pacheco elected to lead the group

BY ARIN MCKENNA
lareporter@lacomment.com

During a special session at the Cities of Gold Hotel in Pojoaque, The Northern New Mexico Citizen's Advisory Board elected a new chair and vice chair.

Carlos Valdez will chair the board with Manuel Pacheco serving as vice chair. Their one-year terms begin in October. NNM CAB does not elect a secretary or treasurer. Those functions are handled by Executive Director Menice Santistevan and her staff.

Valdez has served as vice chair for the past year, with Ralph Phelps serving as chair. Valdez is half way

See PANEL, 3

puts gov in spotlight

I nomination. She offered her life story as an ample of the "promise of America" and emphasized the importance of the presidential election preserving those opportunities for future generations. Martinez made political history with her election in 2010, becoming the first woman elected as governor of New Mexico as well as the nation's first Latina governor. "Growing up, I never imagined little girl from a border town

could one day become a governor," Martinez said. "But this is America. My parents taught me to never give up and to always believe that my future could be whatever I dreamt it to be."

Martinez grew up the youngest of three children in El Paso, Texas, only a few miles from the border with Mexico. A great-grandfather was a revolutionary general in Mexico a century ago.

See SPEECH, 2

Health Department logs West Nile cases

Illness:
Los Alamos has been spared, but officials still urge residents to be vigilant

BY TRIS DEROMA
tris@lacomment.com

While no cases of West Nile Virus have been reported in Los Alamos County yet, there have been three cases in the state, according to the



This mosquito is thought to be the leading vector of West Nile virus in Pennsylvania. FLICKR, PENNSTATELIVE/Courtesy

New Mexico Department of Health.

See VIRUS,

L.F. talk

err of the Web of Life will talk about the ray Wolf. This will be t, interactive presentation all ages. Duerr will be footage from her mentaries. Free. 6:30 y.

No court

The Los Alamos Magistrate Court will not have a Judge for the week of Sept. 17-21 due to the annual Magistrate Judge's conference. The court hours will be 8 a.m.-3 p.m. that week.

Square dancing

Square Dance Club will host a kick-off party with some basic square dance instruction, dancing and sloppy joes, salad, desserts and refreshments from 6:30-9 p.m. Sept. 7 at the Betty Ehart Senior Center.

Grand opening

The Los Alamos Democratic Party Headquarters grand opening is slated for noon-4 p.m. Sept. 3 at 140 Central Park Square.



PANEL

From Page 1

through his four-year term on the board.

Unlike many members who represent specific counties or cities, Valdez is unaffiliated. "I'm representing the children of Northern New Mexico, the wildlife of Northern New Mexico," Valdez said. His focus echoes his years working for the State of New Mexico in the Children, Youth and Families Department, with his final three years before retirement spent with the Game and Fish Department.

Valdez believes that being retired is a definite benefit in handling the demands of the chair position. When asked what his other strengths were, he included being a native of Northern New Mexico, his experience attending national Citizen's Advisory Boards chair meetings and writing recommendations for the Department of Energy (DOE).

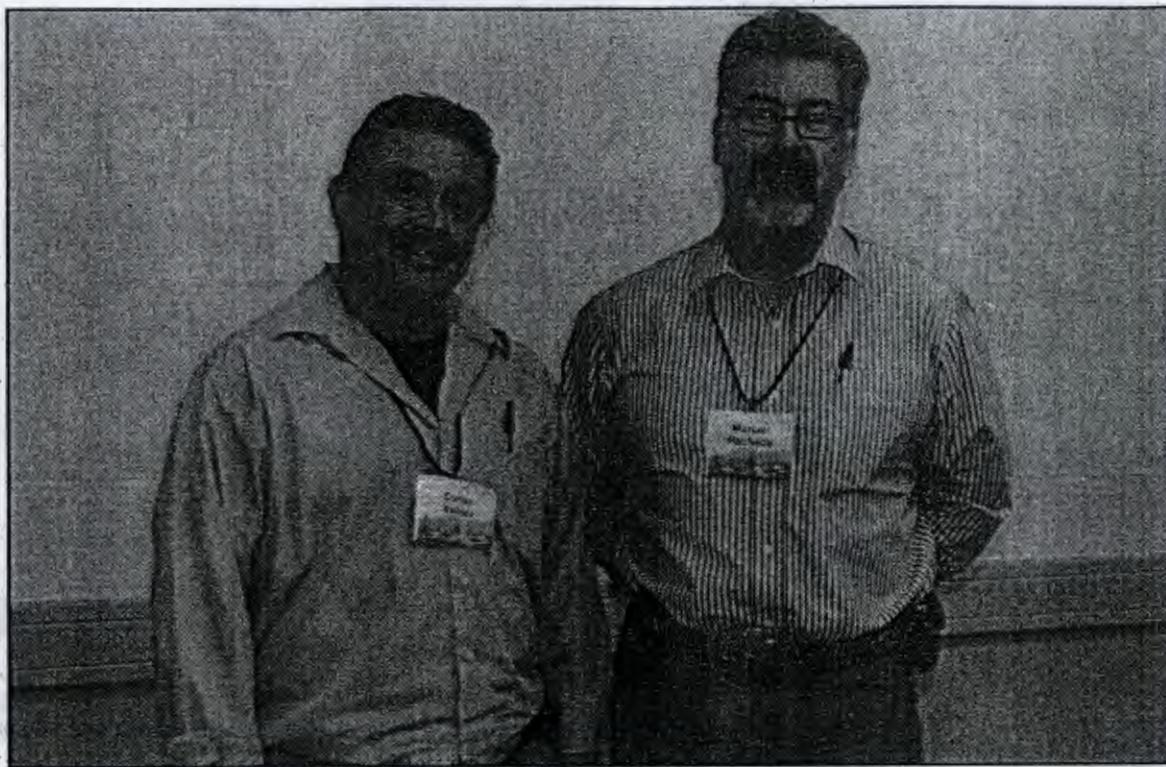
Valdez said his biggest challenge may be coordinating the schedules of 20 board members for meetings, not to mention reaching consensus with such a large board.

"Trying to get 20 different points of view and personalities pointed in the same direction is always going to be a challenge. But we've got a lot of good people on the board, so I'm looking forward to it," Valdez said.

Valdez said one of his goals is to continue work that Phelps began.

"Ralph's shoes are going to be pretty big to fill. Ralph has done an excellent job in the last few years as chair," Valdez said. "I guess one of my major goals is to continue the work that Ralph has been doing over the years and to try to make a difference in terms of speeding up the cleanup efforts with efficient, effective and relevant recommendations to the Department of Energy."

Working toward expediting



Newly elected NNM CAB Chair Carlos Valdez with Vice Chair Elect Manuel Pacheco. ARIN MCKENNA/Monitor

cleanup efforts at the lab is Valdez' top priority.

"I guess I would like to see the Department of Energy, Los Alamos National Laboratory and the Environment Department with the State of New Mexico all come together with the push or assistance of the CAB in getting as much waste off the hill as quickly as possible," Valdez said. "Because as you know, two terrible fires brought a lot of national attention to Los Alamos. So if I can direct the CAB in a manner in which we can have these three entities work closely together to resolve that issue, it would make me feel good knowing that the people of New Mexico can see that we've done everything we could for their health and safety."

Pacheco described himself as "a behind the scenes type of guy" and reassured Valdez that he had his back. Pacheco said he was not referring to some contentious discussion between board members early

in the meeting concerning the scope of the NNM CAB's mission.

"I want to put Carlos at ease," Pacheco said. "Ralph and Carlos worked very well together, and I wanted to let him know I plan to work with him the way he worked with Ralph."

Pacheco was nominated for the chair position, but withdrew his name to run for the vice chair position. He has served on the board since he was appointed to represent the Town of Taos in 2009 and has chaired the waste management committee.

Pacheco said his time serving on the board has given him perspective on the challenges they face.

"It's part of learning the process," Pacheco said. "I've learned a lot during my tenure. When I first started, a lot of things went over my head. But I started reading up and understanding more. It goes back to that saying, the only

dumb question is the one not asked."

"I look at things with optimism, but I'm mostly a realist. It is what it is. If we can expedite what is going on at the lab, that's great. But there are things going on and things in the queue that are beyond our scope. We can interact with certain things, but certain directives the lab has are beyond our scope."

Pacheco does have one thing he'd like to accomplish during his tenure.

"I would like to see more outreach. Even though we're site-specific to the lab, I would like to expand outreach to the state level by working with other entities in such a way that we don't bite off more than we can chew."

NNM CAB is currently seeking new members. For more information, contact Menice Santistevan at menice.santistevan@ptcinc.com or call 995-0393.

**Northern New Mexico Citizens' Advisory Board Meeting
September 26, 2012
1:00 p.m. to 7:00 p.m.
1508 Paseo Del Pueblo Sur
Sagebrush Inn and Conference Center
Taos, New Mexico 87571**

AGENDA

<u>Time</u>	<u>Action</u>	<u>Presenter</u>
1:00 p.m.	Call to Order	Ed Worth, DDFO
	Establishment of a Quorum (11 needed)	
	a. Roll Call	Carolyn Bateman
	b. Excused Absences	
	Welcome and Introductions	Ralph Phelps, Chair
	Approval of Agenda	
	Approval of Minutes of August 29th, 2012	
1:30 p.m.	Public Comment Period	
1:45 p.m.	Old Business	
	a. Written Reports – See Packet Enclosures (5 minutes)	
	b. Other items	
2:00 p.m.	New Business	
	a. Consideration and Action on FY' 13 Committee Work Plans	
	b. Discuss Meeting Locations and Schedule for 2013	
	c. Appoint Ad Hoc Committee for Annual Self Evaluation	
2:30 p.m.	Items from DDFO	Ed Worth
	a. Update from DOE	
	b. Other items	
2:45 p.m.	Break	
3:00 p.m.	Items from Liaison Members	
	a. Environmental Protection Agency (Region 6)	Ed Worth for Rich Mayer
	b. New Mexico Environment Department	John Kieling
	c. Los Alamos Site Office	Pete Maggiore
	d. Los Alamos National Laboratory	Bruce Schappell
4:00 p.m.	Update on Chromium/Perchlorate Groundwater Plume	Danny Katzman, LANS
5:00 p.m.	Dinner Break on the Patio	
6:00 p.m.	Public Comment Period	
6:15 p.m.	Consideration and action on Draft Recommendation(s) to DOE	Ralph Phelps
	• Recommendation 2012-03 "Fiscal Year 2013 and 2014 Budget Appropriation Recommendation"	Carlos Valdez
6:45 p.m.	Wrap-up and Comments from Board Members	Ralph Phelps
7:00 p.m.	Adjourn	Ed Worth, DDFO

Northern New Mexico Citizens' Advisory Board

2013 Board Meeting Schedule

DRAFT

1:00 to 7:00 p.m.

January 30, 2013

**Cities of Gold Conference Center
Pojoaque**

March 20, 2013

**Marriott Albuquerque Pyramid North
Albuquerque or
Cochiti Pueblo**

May 22, 2013

**Santa Fe
Double Tree Hotel**

July 31, 2013

**Los Alamos
Best Western Hilltop**

September 25, 2013

**Taos
Sagebrush Inn and
Conference Center**

November 20, 2013

**Española
Santa Claran or
Ohkay Owingeh**

Update on Sandia/Mortandad Canyons Groundwater Investigation

Presentation for the
Northern New Mexico Citizens' Advisory Board

Danny Katzman

Environmental Programs Directorate

September 26, 2012

LA-UR-12-24913



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Slide 1



Presentation Overview

- **Groundwater Contamination**
 - What contaminants
 - Footprint
- **Conceptual Model for Plume Evolution**
 - Source
 - Pathway
- **Path Forward**
 - Reports
 - Actions
 - Schedule



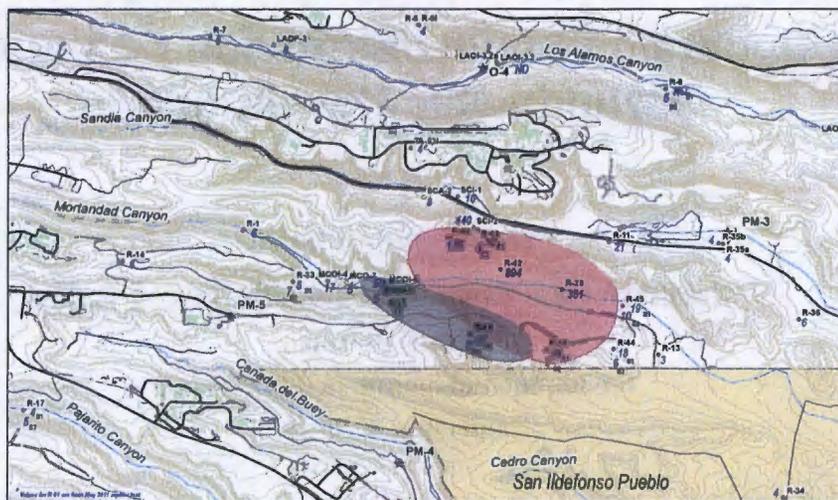
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Slide 2



Chromium and Perchlorate Plumes



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NISA

Investigation History

Two primary phases of investigation

■ Phase 1 2006-2009

- Sediment investigation
- Biota investigation
- Risk assessment for surface – recreational scenario
- Perched-intermediate and regional monitoring wells
- Geochemistry
- GW modeling

■ Phase 2 2010-present

- Additional monitoring wells
- Additional sediment investigation
- GW modeling

Los Alamos
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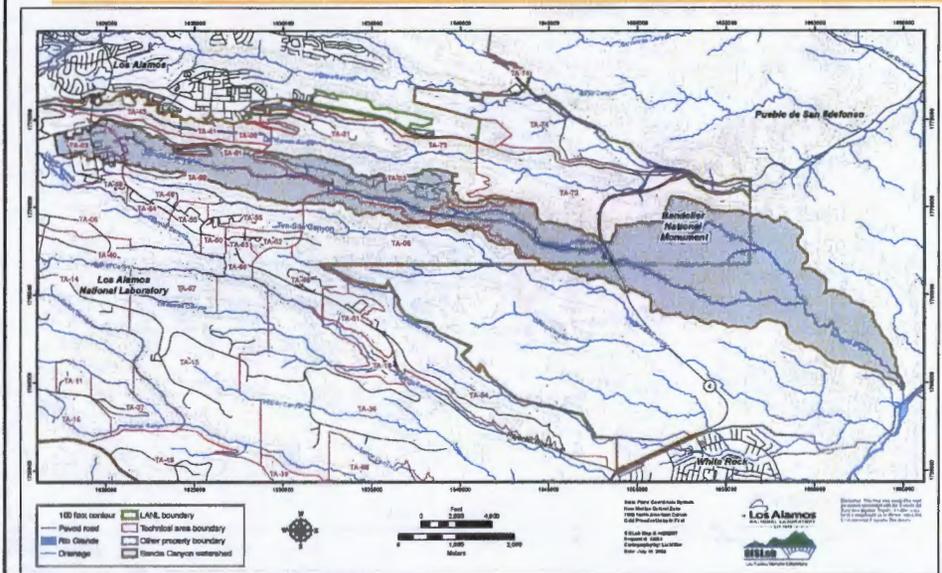
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Sandia Canyon Watershed



Sources of Contamination

Interviews and archival research

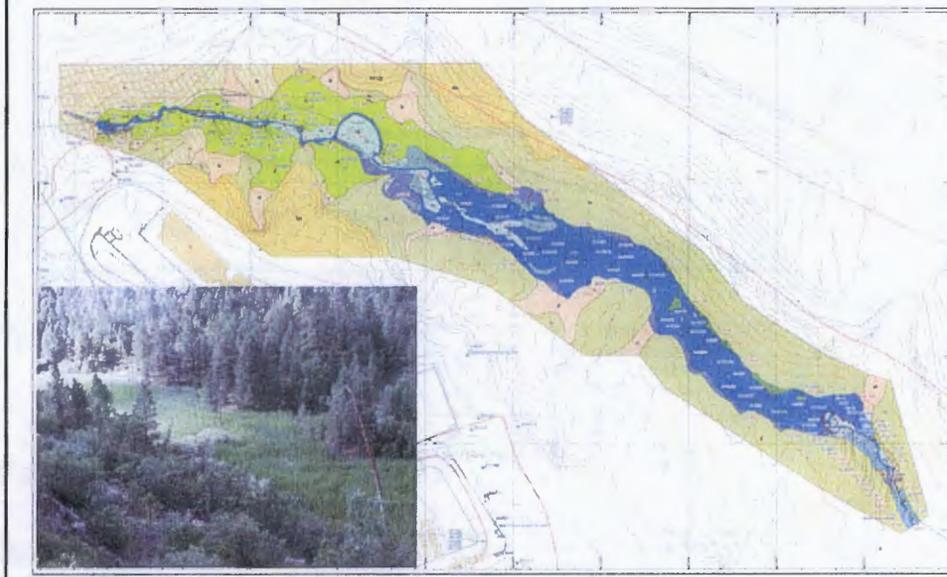
Sandia Canyon

- Potassium chromate (hexavalent Cr) used as corrosion inhibitor at TA-03 power plant in Upper Sandia Canyon
- 31,000 – 72,000 kg released to the canyon in effluent from 1956 – 1972

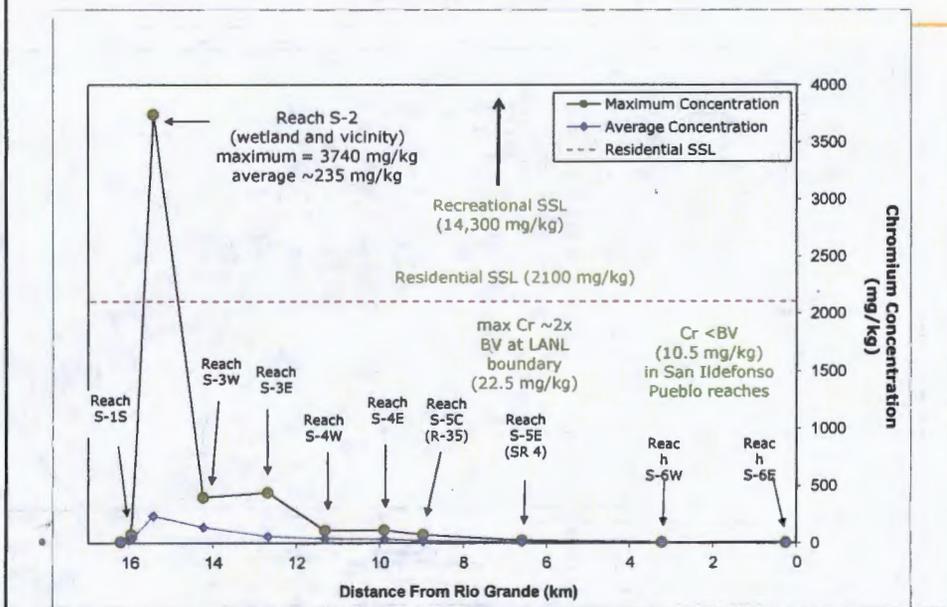
Mortandad Canyon

- Perchlorate released from radioactive wastewater treatment facility until ~2002
- Total amount not quantified

Geomorphology of Sandia Wetland

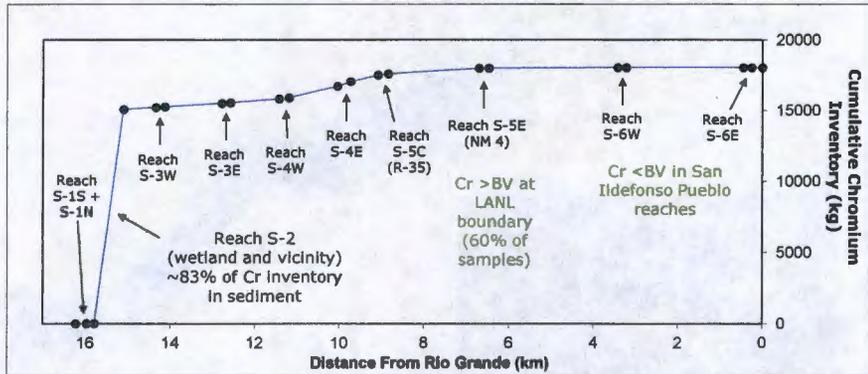


Chromium Concentration in Sediments



Chromium Inventory in Sediments

Total of ~18,000 kg Cr in sediment in Canyon, >99% Cr(III), <1% Cr(VI)
Wetland reach has most of the Cr in sediment (~15,000 kg)



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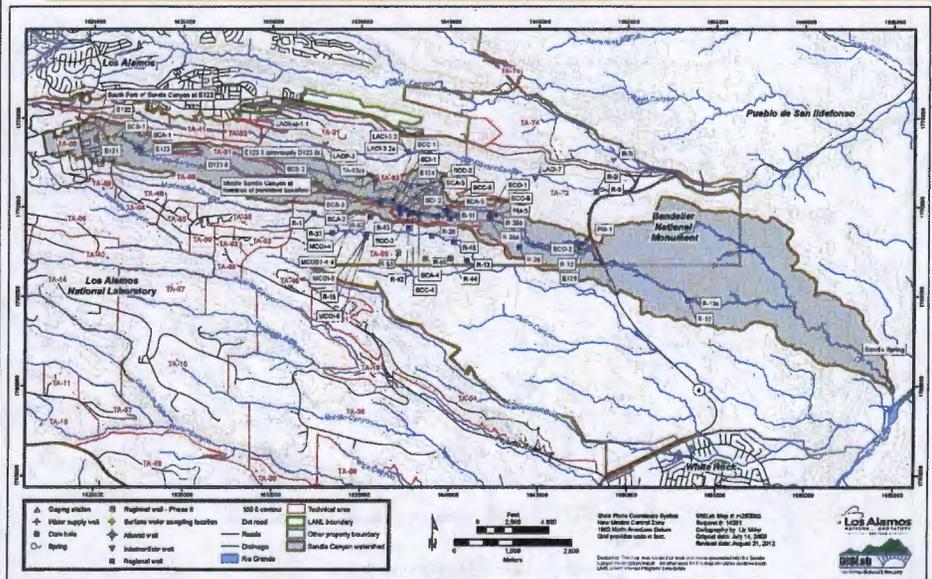
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Groundwater Investigation



Water Balance Study

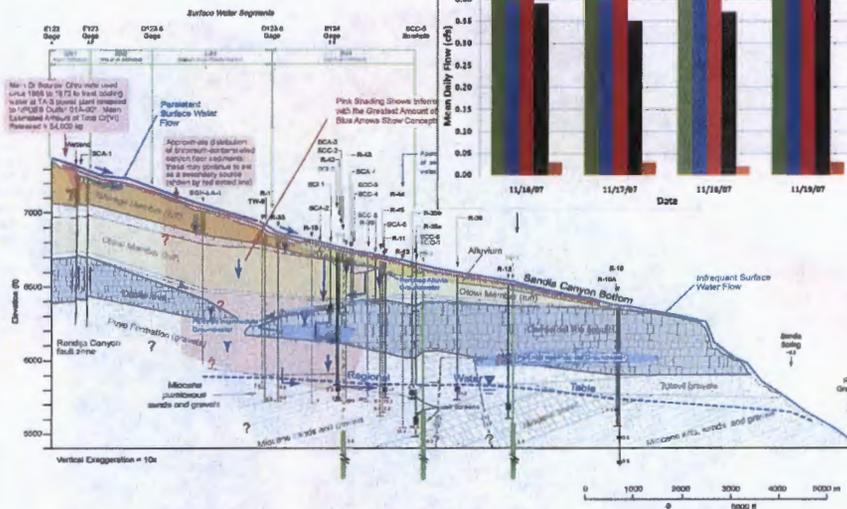
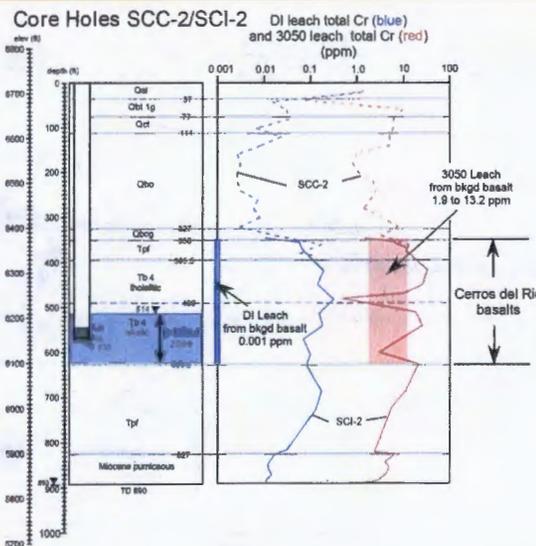


Figure 7.2-1. Conceptual hydrogeologic cross section showing potential chromium transport pathways and dissolved hexavalent chromium for surface water, monitoring wells, and water supply wells in the vicinity of Sandia Canyon. Red numbers indicate most recent (mostly 2009) values of chromium in units of $\mu\text{g/L}$. Wells indicated by solid lines are in Sandia Canyon; dashed wells are projected into Sandia Canyon from adjacent canyons.

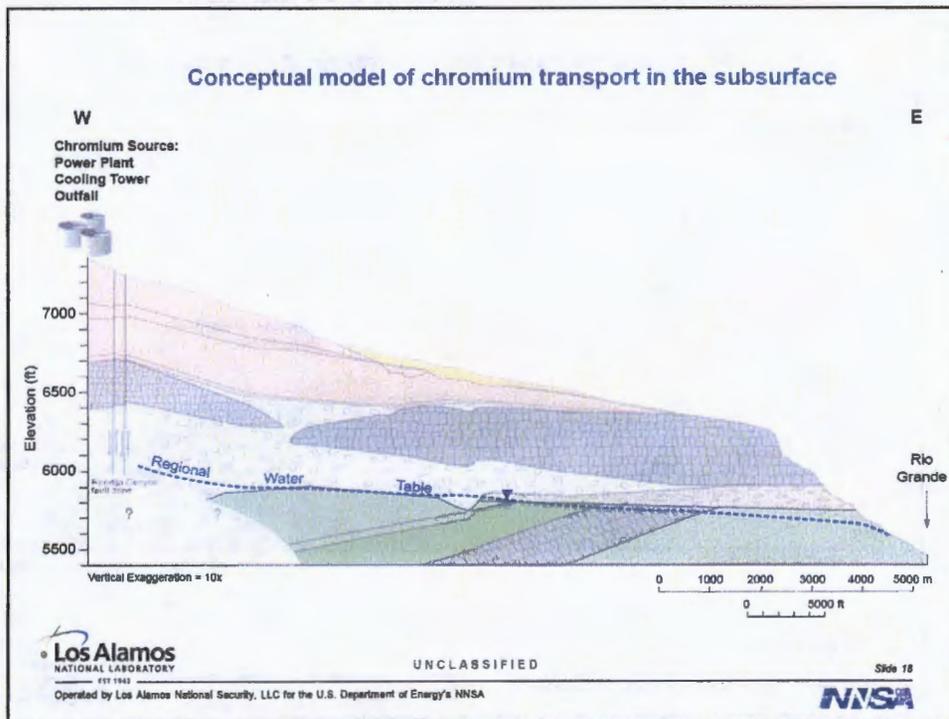
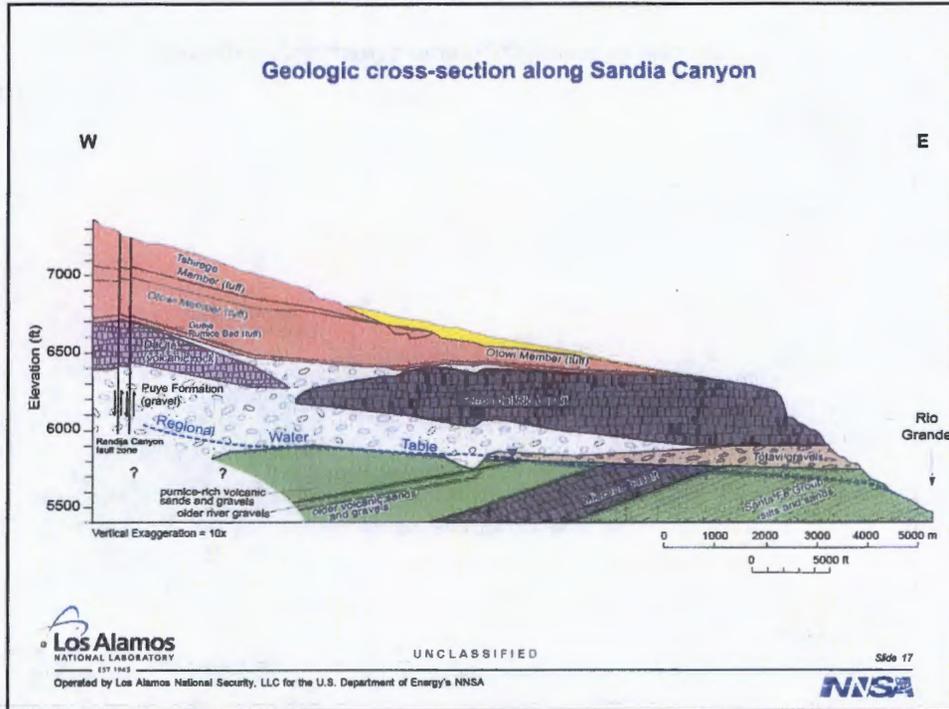
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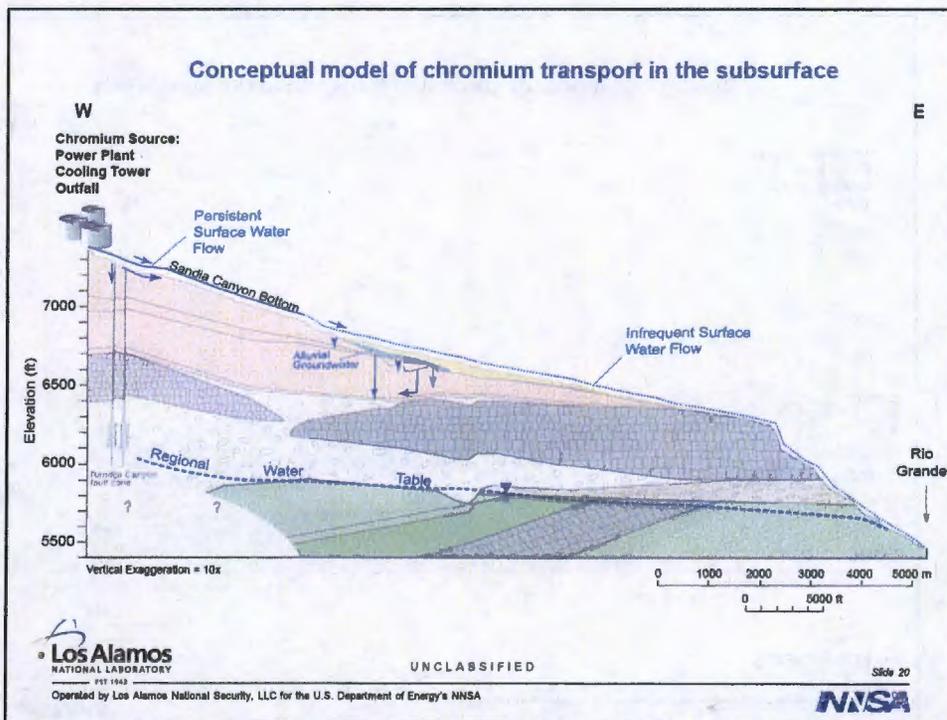
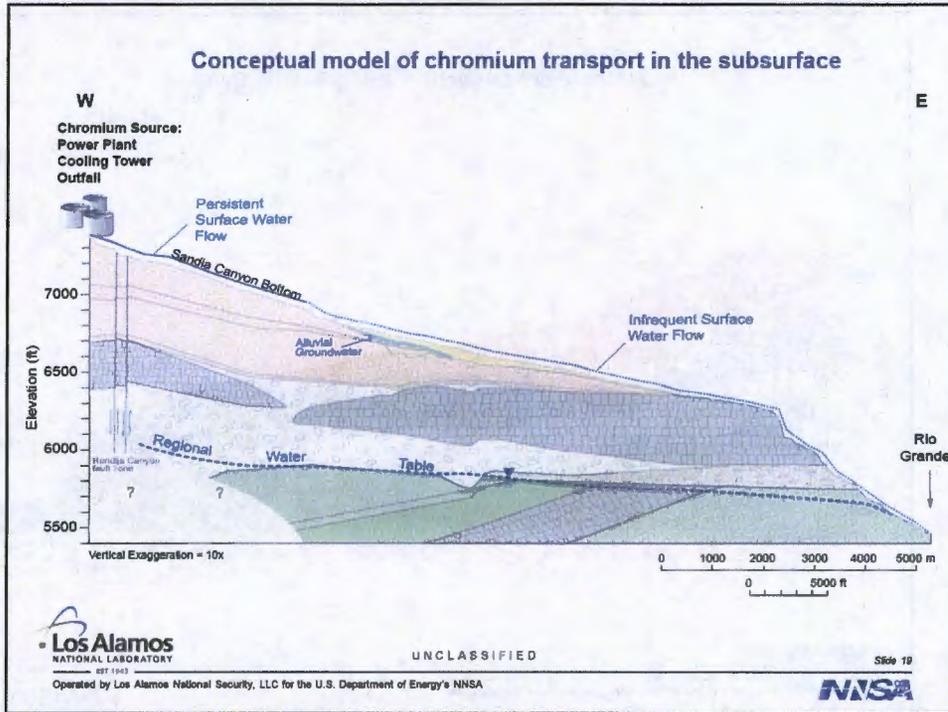
Vadose-Zone

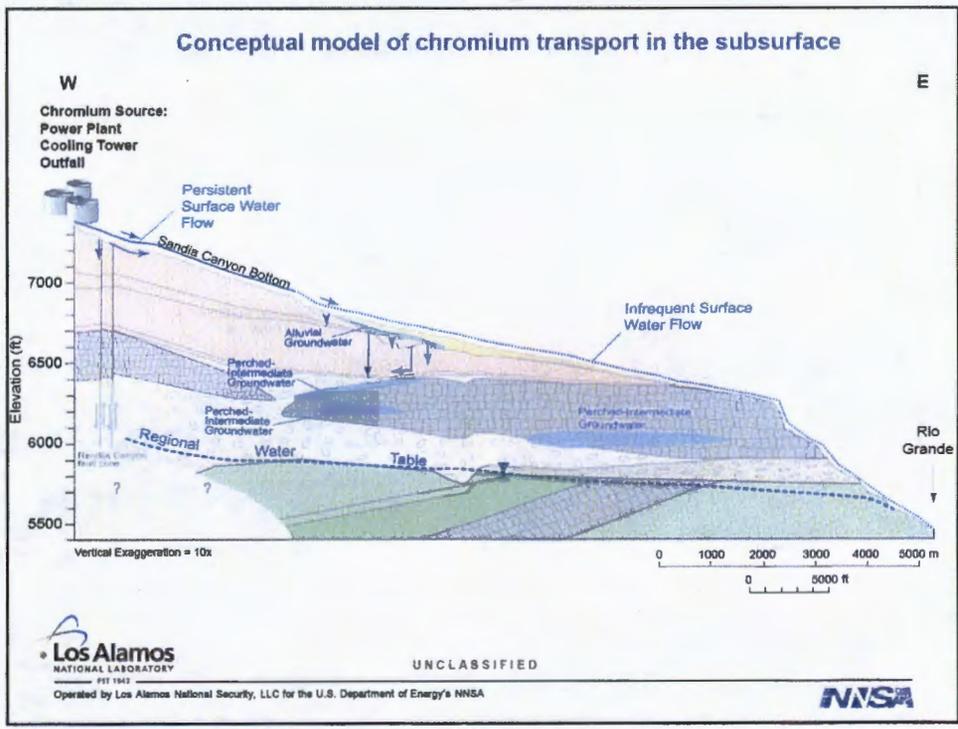
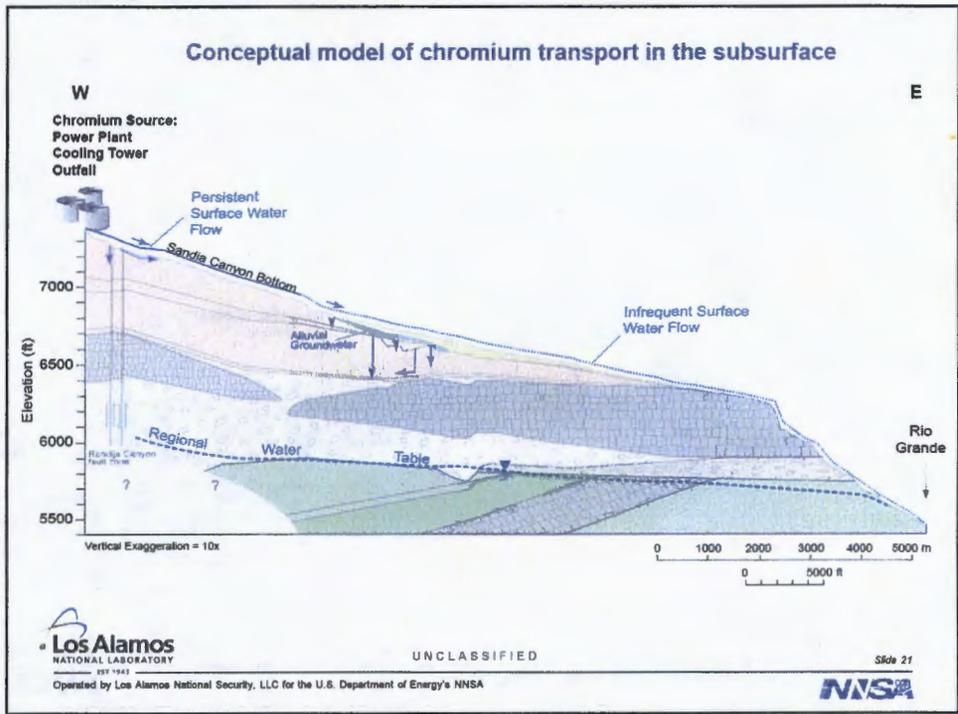


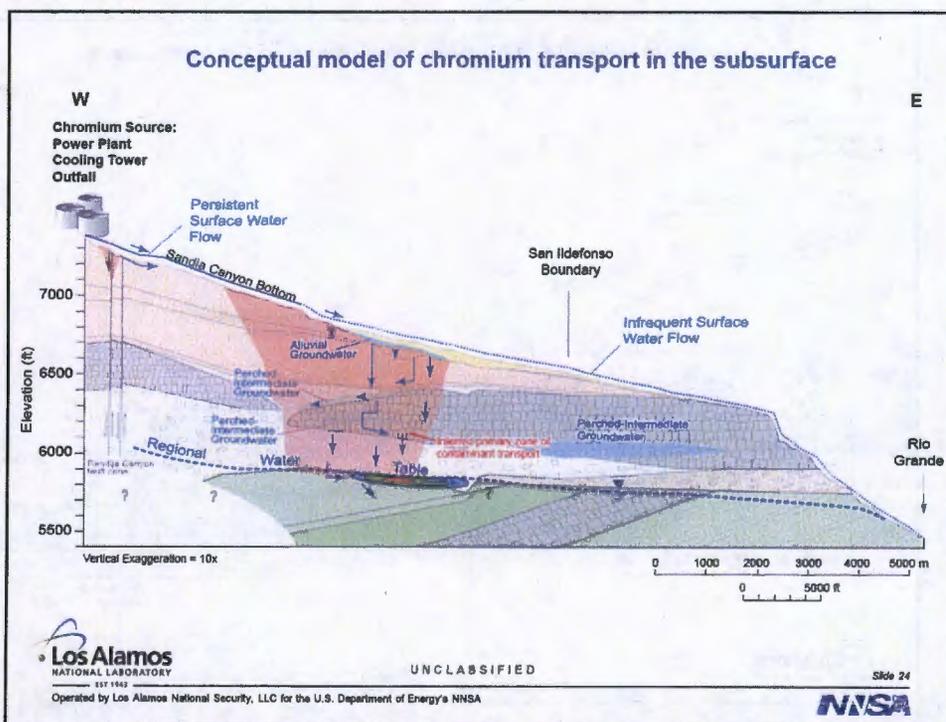
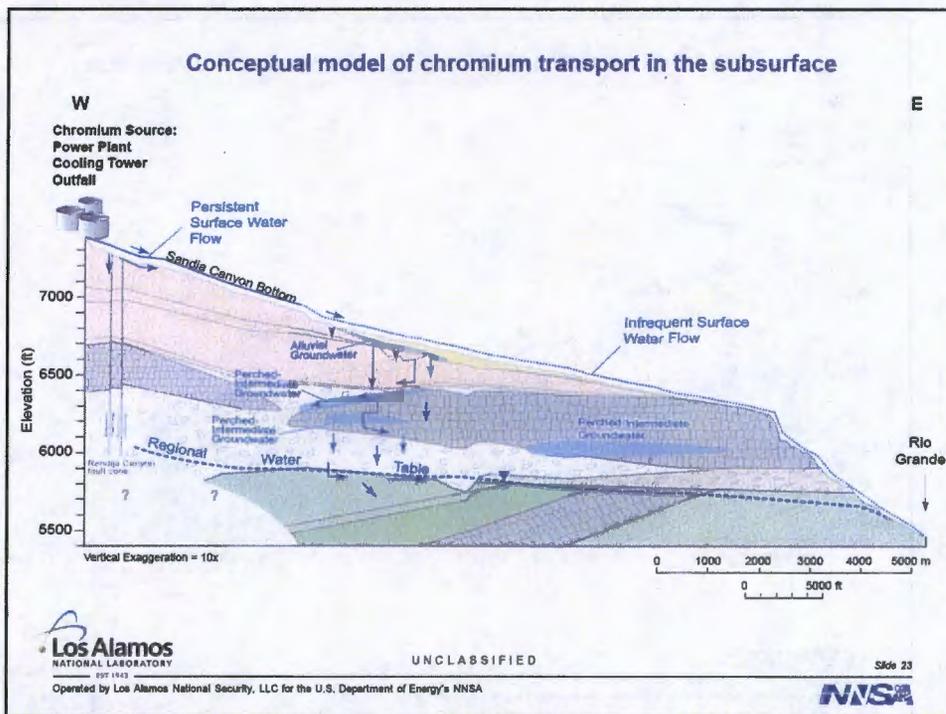
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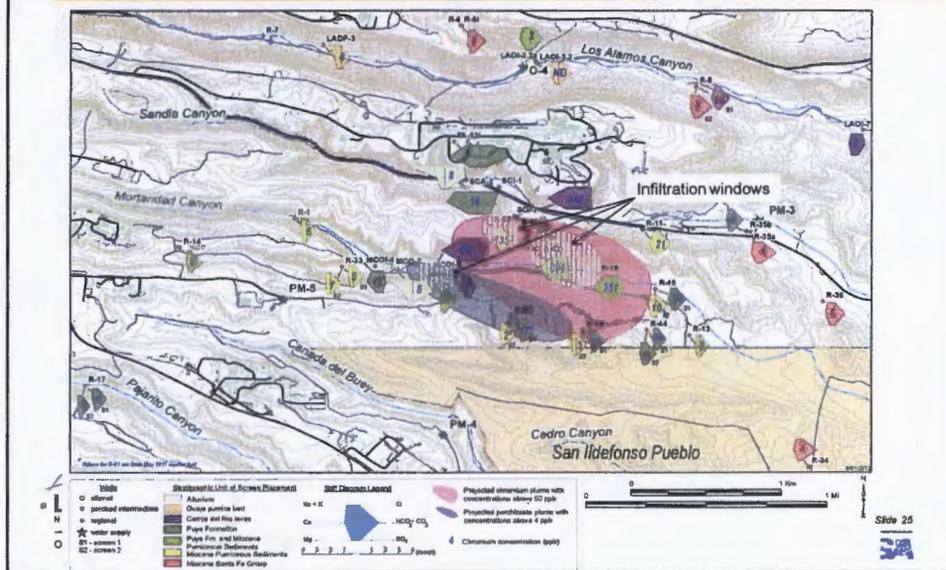








Groundwater Mixing/Resultant Plumes



Path Forward

- Phase 2 Investigation Report to NMED - September 30, 2012
- NMED Review
- Wetland Stabilization – planned for FY13
- Corrective Measures Evaluation – TBD
- Possible Interim Measure as bridge to CME if necessary
 - Under evaluation

**LANL Consent Order Extensions
as of 8/16/2012**

Request (LANL)	Approval (NMED)	Document	Original Submittal Date	Extended Submittal Date	Time Length of Extension	Type
10/6/2011	10/21/2011	Extension Request to Complete Well R-59	11/30/2011	11/30/2013	2 year extension	Well
10/6/2011	10/21/2011	Extension Request for Submittal of the Proposed Location for Regional Aquifer Well R-59	10/31/2011	10/31/2013	2 year extension	Well
10/6/2011	10/19/2011	Extension Request to Complete the Two-Phase Purge Test for Regional Aquifer Well R-29	10/21/2011	10/21/2013	2 year extension	Well
10/6/2011	10/19/2011	Extension Request for Submittal of the Summary Report for the Two-Phase Purge Test for Regional Aquifer Well R-29	12/21/2011	12/21/2013	2 year extension	Well
10/6/2011	10/11/2011	Extension Request for the Submittal of the NOD Response for Revision 1 of the Potrillo and Fence Canyons Aggregate Area Investigation Report	10/21/2011	11/30/2011	1 month extension	Investigation Report
10/13/2011	10/24/2011	Extension Request for the Investigation Work Plan and Historical Investigation Report for the TA-57 Aggregate Area (Fenton Hill)	10/31/2011	4/30/2012	6 month extension	Investigation Work Plan
11/4/2011	11/7/2011	Request for Extension to the Direction to Modify for the Phase II Investigation Report for Middle Los Alamos Canyon Aggregate Area, Revision 1	11/30/2011	11/30/2013	2 year extension	Investigation Report
11/10/2011	11/21/2011	Request for Extension for Water Application to Bermed Area and the Installation and Instrumentation of Six Boreholes at TA-21 for Vadose Zone Moisture Monitoring	January 31 and July 31, 2012	January 31 and July 31, 2014	2 year extension	Pilot Test
11/10/2011	11/21/2011	Request for Extension to Submit the Work Plan for Well SCI-4	2/15/2012	2/15/2014	2 year extension	Well
11/10/2011	11/18/2011	Request for Extension to Complete Well R-65	1/15/2012	1/15/2014	2 year extension	Well
11/10/2011	11/18/2011	Complete the Installation of Perched Intermediate Well R-10i	1/20/2012	1/20/2014	2 year extension	Well
11/10/2011	11/21/2011	Request for Extension to Submit the Phase II Investigation Work Plan for the Lower Sandia Canyon Aggregate Area	3/26/2012	3/26/2014	2 year extension	Investigation Work Plan
11/10/2011	11/21/2011	Request for Extension to Submit the Work Plan for Additional Investigations in Potrillo/Fence Canyons	2/15/2012	2/15/2014	2 year extension	Investigation Work Plan
11/17/2011	11/28/2011	Request for Extension to Submit the DP West Building 21-005 and 21-150 Building Footprint Letter Work Plans	5/15/2012	5/15/2014	2 year extension	Investigation Work Plan
11/17/2011	11/17/2011	Request for Extension to Submit the Investigation Report for Lower Pajarito Canyon Aggregate Area	7/31/2012	7/31/2014	2 year extension	Investigation Report
11/17/2011	11/23/2011	Request for Extension to Submit the Investigation Report for TwoMile Canyon Aggregate Area	8/30/2012	8/30/2014	2 year extension	Investigation Report
11/21/2011	12/6/2011	Request for Extension to Submit the Phase II Investigation Report for TA-49 Outside Nuclear Environmental Site Boundary	9/30/2012	9/30/2014	2 year extension	Investigation Report
11/21/2011	12/6/2011	Request for Extension to Submit the Phase II Investigation Report for TA-49 Inside Nuclear Environmental Site Boundary	9/30/2012	9/30/2014	2 year extension	Investigation Report
11/21/2011	12/5/2011	Request for Extension to Submit the Investigation Work Plan Lower Water/Indio Canyon Aggregate Area	9/30/2012	9/30/2014	2 year extension	Investigation Work Plan
11/21/2011	12/5/2011	Request for Extension to Submit the Phase II Investigation Report North Ancho Canyon Aggregate Area	9/30/2012	9/30/2014	2 year extension	Investigation Report
12/2/2011	12/14/2011	CME Report for MDA C	2/29/2012	9/28/2012	7 month extension	CME
12/2/2011	12/14/2011	Request for Extension to Submit the Phase II Investigation Report for Sandia Canyon	4/30/2012	7/31/2012	3 month extension	Investigation Report
12/2/2011	12/12/2011	Well Evaluation and Network Recommendations Study Report for TA-16 and Upper Water Canyon Watershed	1/3/2012	4/30/2012	2 month extension	Investigation Report

**LANL Consent Order Extensions
as of 8/16/2012**

Request (LANL)	Approval (NMEB)	Document	Original Submittal Date	Extended Submittal Date	Time Length of Extension	Type
12/2/2011	12/14/2011	Request for Extension to Submit the Phase III Investigation Report for DP Site Aggregate Area	4/20/2012	4/20/2014	2 year extension	Investigation Report
12/7/2011	12/14/2011	Request for Extension to Submit the Investigation Report for Cañon de Valle Aggregate Area, Technical Area 15	6/15/2012	7/2/2014	2 year extension	Investigation Report
12/14/2011	12/21/2011	Complete Ten Plugged and Abandoned Wells in 2011	12/30/2011	3/31/2012	3 month extension	Well
12/15/2011	NA	Revised Investigation/Remediation Report for Material Disposal Area B, Revised Investigation/Remediation Report for Material Disposal Area B, Solid Waste Management Unit 21-015	9/30/2011	4/30/2012	7 month extension	Investigation/Remediation Report
1/20/2012	1/30/2012	Request for Extension to Complete Plug and Abandon Test Well 3	2/10/2012	3/31/2012	6 weeks	Well
2/2/2012	2/13/2012	Request for an Additional Extension to Plug and Abandon Test Well 3	2/10/2012	4/20/2012	6 weeks plus additional 3 weeks	Well
2/15/2012	2/21/2012	Request for Extension to Submit Well Completion Report for R-62	2/29/2012	3/30/2012	1 month	Well
2/15/2012	2/21/2012	Request for Extension to Install a Permanent Sampling System in CdV-16-4lp and to Perform Water-Quality Time-Series Sampling Pursuant to the December 27, 2011, Approval with Modifications of the Hydrologic Testing Report for Consolidated Unit 16-021 (c)-99	2/29/2012	3/13/2012	2 weeks	well purge test
3/8/2012	3/19/2012	Request for Extension to Respond to Notice of Disapproval for Investigation Report for Water Canyon/Canon de Valle	3/15/2012	1/31/2013	10.5 months	Investigation Report
6/7/2012	6/15/2012	Request for Extension to Submit the Response to the NOD and Phase 2 Investigation Work Plan for S-Site Aggregate Area	9/15/2012	9/15/2014	2 years	Investigation Report NOD response and Phase 2 Work Plan
6/7/2012	6/15/2012	Request for Extension to Submit the Phase 2 Investigation Report for Upper Mortandad Canyon Aggregate Area	1/31/2013	1/31/2015	2 years	Investigation Report
6/7/2012	6/15/2012	Request for Extension to Submit the Investigation Report for Upper Water Canyon Aggregate Area	12/31/2012	12/31/2014	2 years	Investigation Report
6/7/2012	6/15/2012	Request for Extension to Submit the Investigation Report for Water Canyon/Cañon de Valle, Revision 1	1/31/2013	1/31/2015	2 years	Investigation Report
6/13/2012	6/22/2012	Request for Extension to Submit the Investigation Report for Starnier/Upper Pajarito Canyon Aggregate Area	12/31/2012	12/31/2014	2 years	Investigation Report
6/13/2012	6/22/2012	Request for Extension to Submit the Investigation Report for Upper Los Alamos Canyon Aggregate Area	8/30/2012	8/30/2013	1 year	Investigation Report
6/13/2012	6/22/2012	Request for Extension to Submit the Phase 2 Investigation Report for Threemile Canyon Aggregate Area	8/31/2013	8/31/2015	2 years	Investigation Report
6/14/2012	6/26/2012	Request for Extension to Submit the Phase 2 Investigation Report for Upper Sandia Canyon Aggregate Area	4/30/2013	4/30/2015	2 years	Investigation Report
6/14/2012	6/26/2012	Request for Extension to Submit the Investigation Report for Chaquehui Canyon Aggregate Area	3/31/2013	3/31/2015	2 years	Investigation Report

LANL Consent Order Extensions
as of 8/16/2012

Request (LANL)	Approval (NMED)	Document	Original Submittal Date	Extended Submittal Date	Time Length of Extension	Type
6/20/2012	7/2/2012	Request for Extension to Submit the Response to the NOD for the Investigation Report for Lower Mortandad/Cedro Canyons Aggregate Area	6/23/2012	8/22/2012	60 days	Investigation Report
6/22/2012	6/29/2012	Request for Extension to Submit the Response for the 2012 Monitoring Plan for Los Alamos and Pueblo Canyon Sediment Transport Mitigation Project, Rev. 1	6/22/2012	7/24/2012	32 days	Monitoring Plan
6/22/2012	7/2/2012	Request for Extension to Install Sampling Systems at Wells R-5, R-7, R-8 and R-9i and to Submit the Letter Confirming Installation	10/11/2012 and 11/1/2012	10/11/2014 and 11/1/2014	2 years	Sampling System Improvement
6/22/2012	7/3/2012	Request for Extension to Submit the DP West Building Footprint Letter Work Plan	10/1/2012	10/1/2014	2 years	Investigation Work Plan
6/26/2012	7/30/2012	Request for Extension to Submit the Response to the Third NOD for the Investigation Report for Delta Prime Site Aggregate Area Delayed Sites and Delta Prime East Building Footprints at TA-21 and the Investigation Report, Revision 2	8/6/2012	8/6/2014	2 years	Investigation Report Rev 2
6/28/2012	7/16/2012	Request for Extension to Complete the Technical Area 54 Monitoring Group's Long-Term Groundwater Monitoring Well R-22	9/30/2012	1/31/2013	4 months	Pump Installation
7/26/2012	7/30/2012	Request for Extension to Submit Documents Stipulated in the Approval With Modifications for the TA-16 Well Network Evaluation and Recommendations	August - September 2012	November - December 2012	3 months	6 work plans for rehab, installation or abandonment of wells
7/27/2012	7/31/2012	Revised Request for Extension to Submit the Response to the NOD and the Investigation Report for Cañon de Valle Aggregate Area, TA-14, Revision 1	7/31/2012	4/30/2013	9 months	Investigation Report
7/31/2012	8/9/2012	Request for Extension for the Tracer Test at Consolidated Unit 16-021(c)-99	8/31/12 and 10/15/2012	11/30/2012 and 1/27/2012	3 months	Tracer Bench test and test