

Northern New Mexico Citizens' Advisory Board Meeting



November 15, 2022
1:00 p.m. to 5:00 p.m.
Hybrid Meeting

Minutes

Meeting Attendees

Department of Energy

1. Sarah (Ellie) Gilbertson, Acting Deputy Manager, Environmental Management Los Alamos
 2. Lee Bishop, Deputy Designated Federal Officer, Environmental Management Los Alamos
 3. Cheryl Rodriguez, Environmental Management Los Alamos
 4. John Evans, Environmental Management Los Alamos
 5. Miquela Vargas, Environmental Management Los Alamos
 6. Jesse Kahler, Environmental Management Los Alamos
 7. Lee Ocker, Environmental Management Los Alamos
 8. Allison Scott Majure, Environmental Management Los Alamos
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NNMCAB Members

1. Elena Fernandez, Vice-Chair
 2. Stuart Barger
 3. Mark Hayden
 4. Martinez Hewlett
 5. Anne Laurent
 6. Manuel L'Esperance
 7. Roger Life
 8. Beverly Martin
 9. James Murphy
 10. Patricio Pacheco
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NNMCAB Absences

1. Cherylin Atcitty
 2. Melissa Casias
 3. Sterling Grogan
 4. David Neal
 5. Miguel Vigil
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NNMCAB Staff

1. Menice Santistevan, Executive Director
2. Bridget Maestas, Executive Assistant

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Guests

1. Thomas McCrory, Environmental Management Los Alamos
2. Jeremiah McLaughlin, N3B
3. Catherine Juarez, Los Alamos National Laboratory
4. Kathryn Keenan, N3B
5. Erich Evered, N3B
6. Jennifer Nordstrom, Public
7. Sarah Chandler, Environmental Management Los Alamos
8. Jeff A. Holland, N3B
9. Nadia Martin, Environmental Certifications Coordinator, Lexmark
10. Matthew Fesko, N3B
11. Stephanie Gallagher, Environmental Management Los Alamos
12. Jen Patureau, N3B
13. Chelsi Frasure, Environmental Management Los Alamos
14. Matt Miller, US Representative Teresa Leger Fernandez Office
15. John Gonsky, Tetra Tech
16. Gail Mattson, N3B
17. Jayson Romero, Pueblo of Cochiti Environmental Department
18. David Abelson, N3B
19. Neelam Dhawan, New Mexico Environment Department
20. Angela Edwards, Los Alamos National Laboratory
21. Maire O’Neill, Los Alamos Reporter
22. Joe Ritchey, Environmental Management Los Alamos
23. Kelsey Shank, theEDGE
24. Luciana Holterman, Los Alamos National Laboratory
25. Jennifer Hart, LANL
26. Warren Baugh, Tetra Tech
27. Rick Shean, New Mexico Environment Department
28. Aubrey Pierce, Environmental Management Los Alamos
29. Patrick Longmire, N3B

***The written minutes are intended as a synopsis of the meeting.**

1 **Minutes**

2 **I. Call to Order**

3 The meeting of the Northern New Mexico Citizens' Advisory Board (NNMCAB) was held on
4 November 15, 2022, in a hybrid format. Mr. Lee Bishop, Deputy Designated Federal Officer
5 (DDFO) stated that on behalf of the Department of Energy (DOE) the meeting of the
6 NNMCAB was called to order at 1:00 p.m.

7 Mr. Bishop recognized Ms. Elena Fernandez, the NNMCAB Vice-Chair. Ms. Fernandez
8 presided at the meeting.

9 The meeting of the NNMCAB posted in The Federal Register in accordance with the Federal
10 Advisory Committee Act.

11 **II. Welcome and Introductions**

12 Ms. Bishop welcomed everyone to the meeting and gave a brief safety note on the building
13 exits. Mr. Bishop turned the meeting over to Ms. Fernandez.

14 Ms. Fernandez welcomed everyone to the November Board Meeting.

15 Ms. Fernandez asked Ms. Santistevan to conduct roll call for members and guests.

17 **III. Establishment of a Quorum (Roll Call)**

18 Ms. Menice Santistevan conducted roll call for board members and guests on WebEx. At the
19 call to order, 9 NNMCAB members were present or online. Ms. Santistevan stated that the
20 meeting was being recorded to produce the minutes of the meeting.
21

22 **IV. Approval of Agenda**

23 The board reviewed the agenda for the November 15, 2022, meeting. Ms. Fernandez
24 opened the floor to entertain a motion to approve the agenda as presented.

25 Mr. Stuart Barger made a motion to approve the agenda; Mr. Mark Hayden seconded the
26 motion. The motion to approve the agenda as presented passed.
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28 **V. Approval of Minutes**

29 The board reviewed the minutes from the July 20, 2022, Board Meeting. Ms. Fernandez
30 opened the floor to entertain a motion.

31 Mr. Jim Murphy made a motion to approve the minutes as presented; Mr. Stuart Barger
32 seconded the motion. Ms. Fernandez opened the floor for discussion.

33 With no further discussion, the motion to approve the minutes passed.
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35 **VI. Old Business**

36 **a. Update from Chair/Vice-Chair, and Committee Chairs**

37 Ms. Fernandez, NNMCAB Vice-Chair – Ms. Fernandez stated that the Chair and Vice-
38 Chair attended the Fall Chairs Meeting in Santa Fe in September. She noted that they
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1 received an update from Environmental Management (EM) on the DOE Justice40
2 Initiative, a Legacy Management Overview, a contracting update, EM Packaging and
3 Transportation, and they attended a tour of the EM sites at Los Alamos National
4 Laboratory.

5 October 3-4, 2022, the NNM CAB members attended the Strategic Vision Workshop.

6 October 12-26, 2022, Ms. Fernandez attended DOE's first Justice Week.

7 October 14, 2022, Ms. Fernandez attended the DOE Equity Townhall and the Los Alamos
8 National Laboratory (LANL) Sitewide Environmental Impact Statement (SWEIS) Public
9 Meeting.

10 October 21, 2022, Ms. Fernandez attended the LANL Community Connections Public
11 Forum at Ohkay Owingeh.

12 November 2, 2022, Ms. Fernandez gave a presentation to the Technical Working Group
13 on, "Values, Perception, Communication, Risk" which was a social sciences perspective
14 on risk and community values as a counterbalance for technical aspects on risks.

15 November 9, 2022, Ms. Fernandez and several NNM CAB Members attended the
16 Stormwater Individual Permit Public Meeting.

17 November 14, 2022, Ms. Fernandez a few NNM CAB Members attended the LANL
18 Electronic Public Reading Room Course.

19 **Risk Evaluation and Management Subcommittee** – The subcommittee met on August
20 29, 2022. Elections were held and Ms. Fernandez was elected as Chair and Ms. Beverly
21 Martin was elected as Vice-Chair. The Subcommittee also met on October 19, 2022.

22 **Public Outreach Subcommittee** – The Public Outreach Subcommittee has not had the
23 opportunity to meet or hold elections.

24 **Consent Order Subcommittee** – The subcommittee met on August 29, 2022 in Taos,
25 NM. Elections were held and Mr. Mark Hayden was elected as Chair and Mr. Jim Murphy
26 was elected as Vice-Chair. The subcommittee also met on November 15, 2022 and
27 discussed the Work Plan that is in place and the next steps. They plan to meet again in
28 mid-December.

29 **b. Other Items**

30 Mr. Barger stated that in the May 25, 2022 Board Meeting, Mr. Hayden presented a
31 recommendation regarding the corrective action plan to NNM CAB and the result was
32 that the Chair, Ms. Atcitty was to draft a letter to the New Mexico Environment
33 Department (NMED). Mr. Barger stated that to date he has not seen the letter. He noted
34 that he emailed Ms. Atcitty about the letter and has not received a response. Mr. Barger
35 asked why it was taking from May to November to get a letter prepared.

36 Ms. Fernandez stated that she cannot speak for the Chair on the particular aspects of
37 the letter and why it is taking so long. She noted that it is something that the NNM CAB
38 Executive Committee needs to revisit.

39 Mr. Bishop stated that the Corrective Action Plan has been submitted to the Office of
40 the State Engineer and the Groundwater Quality Bureau. He noted that it is a matter of
41 public record at this time and he would take the action to send it to the NNM CAB
42 members.

1 Mr. Hayden stated that he knew there was an almost immediate reaction from Mr.
2 Bishop and there was more consideration on what the letter might look like. He noted
3 that is the last he has heard about it and would like to have it resolved and would like to
4 see the final response. He thanked Mr. Barger for bringing it up.

5 Mr. Bishop stated that the Action Plan is with the Groundwater Quality Bureau and their
6 subject matter experts are reviewing it. He noted that they have not received any
7 comments on the plan, but DOE would share the plan with the NNMCAB.

8 Mr. Murphy stated that Mr. Barger has brought this up a couple of times and what he
9 would recommend is that at least by the next Board Meeting that they clarify this in
10 more detail and put it as a part of the minutes by making a reference to it by name.

11
12 **VII. New Business**

13 Ms. Fernandez stated that there would be a Defense Nuclear Facilities Safety Board (DNFSB)
14 meeting in Santa Fe November 16th and the NNMCAB is invited in person or online. She
15 noted that Ms. Santistevan had sent the information to the NNMCAB.

16 Mr. Hayden stated that there was some discussion about the Risk Assessment tool or the
17 methodology that was used and it wasn't clear that there was something in place or that it
18 was temporary. He noted that maybe it had already been disclosed or resolved, but if it
19 hasn't, he would like to make it New Business for the next NNMCAB meeting for a report.

20 Mr. Bishop stated that after the Risk Committee Meeting, he made arrangements for a risk
21 presentation at the January Board Meeting. He noted that it is timely in that Middle DP
22 Road is turning out to be very challenging. He noted that they are finding some hot spots
23 there that aren't attributable to LANL operations. They are finding Copper, Manganese , and
24 Lead in the upper soils and as they sample out it is heading closer and closer to Middle DP
25 Road, so it may be necessary to use the risk approach as opposed to a screening level
26 approach to close out that site.

27 Mr. Bishop stated that there would be a presentation on Risk at the January 18, 2023 Board
28 Meeting. He noted that the DNFSB meeting would be held on November 16, 2022 and that
29 they are an arm of Congress and they act much like the Nuclear Regulatory Commission but
30 for DOE Defense sites. He noted that the session would start with EM presenting at 12:00
31 noon for about a 2-hour hearing. He also noted that National Nuclear Security
32 Administration (NNSA) would start their hearing around 3:30 p.m. and that there would be
33 an opportunity for Public Comment in person and online. Mr. Bishop stated that him and
34 Ms. Santistevan have received approval from Mr. Mikolanis to sponsor a Waste Isolation
35 Pilot Plant (WIPP) tour for the NNMCAB members in the late spring. Mr. Bishop stated that
36 it would be a 2-day trip and to let Ms. Santistevan know if they are interested in attending.

37 Ms. Beverly Martin stated that she was interested in hearing the results of the Strategic
38 Vision Workshop and that she thought it would be summarized and presented to the
39 NNMCAB shortly.

40 Mr. Bishop stated that Mr. Mikolanis would have updated the NNMCAB at this meeting but
41 was unable to attend and he will go over it in the January Board Meeting.

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2 **VIII. Update and End of Year Review from EM Los Alamos Field Office**

3 Ms. Ellie Gilbertson, Acting Deputy Manager for EM Los Alamos, stated that she was excited
4 to give an update on behalf of EM-LA. And Mr. Mikolanis who was unable to attend.

5 **Safety** – EM-LA’s top priority is safety. Safety comes in three forms. 1) The workers
6 performing and executing the work; 2) the public; 3) the environment. These three sectors
7 are looked at very carefully and they are the first consideration EM-LA tasks themselves with
8 the enormous effort of cleaning up the local environment. On October 13, 2022, EM-LA’s
9 cleanup contractor N3B issued an N3B wide stop work due to a number of worker safety
10 issues that were observed over the past months. N3B continued to perform minimum safe
11 and minimum compliant operations for environmental and nuclear work and they continued
12 to work in the office.

13 Ms. Martin asked what specifically precipitated the stop work order.

14 Ms. Gilbertson stated that there were a number of safety related observations. There were
15 some self-identified discrepancies in activities such as lock out tag out and there has been
16 an ongoing trend of vehicle safety concerns. Nobody has been injured in any of these topical
17 areas, but the discrepancies themselves and the ongoing vehicle safety concerns were
18 significant enough that if they were left unchecked, somebody could get injured.

19 **Accomplishments** – Key accomplishments in Fiscal Year 2022: The first is in the area of
20 Legacy Waste Operations. EM-LA and N3B have exceeded their annual goal for the
21 transuranic (TRU) waste shipments to WIPP by over 70%. The TRU shipments included over
22 more than 130 cubic meters of waste. Based off of DOE EM’s annual missions and priorities,
23 the Los Alamos site goal for the last two years was 30 shipments to WIPP. Fiscal year 2023
24 their shipment goal is 40 shipments, a 33% increase in future shipments. Additionally, in
25 Fiscal Year 2022, EM-LA exceeded their mixed low-level waste (MLLW) and their low-level
26 radioactive waste (LLW) shipping goals by 100 containers. N3B shipped offsite 350
27 containers of MLLW and LLW which amounts to 560 cubic meters. The DOE EM shipment
28 goal for MLLW and for LLW was only 250 containers for Fiscal Year 2022.

29 The corrugated metal pipe (CMP) retrievals at TA-54 did commence in September. The goal
30 for 2023 is that they will retrieve all 158 of the CMPs and they will also initiate size
31 reduction.

32 In Fiscal Year 2022 they are additionally looking at some of their milestones. Under the 2016
33 Consent Order with NMED, they completed 18 of the 18 required milestones either early or
34 on time. In 2022 they started with 19 milestones however, one of the milestones was well
35 R-73. The milestone was removed due to the well casing breakage. EM-LA has been meeting
36 with NMED on the Fiscal Year 2023 milestones. Mr. Bishop has been championing that
37 effort.

38 Chromium Interim Measure – EM-LA drilled several wells this year to sample the regional
39 aquifer, R-71 and R-72. These were all a part of the 2022 Appendix B milestones that were
40 negotiated with NMED. The new monitoring well R-73 was drilled, however there was a
41 casing failure. It appeared to be a failure with the well’s seal. N3B is currently working with
42 their subcontractor T2S to better understand it. They are working on causal analysis now to
43 determine the reason for the breakage. They have determined that that well will have to be
44 plugged and abandoned and a new well would have to be drilled to take its place. They are

1 continuing to work the interim measure system while obtaining the necessary data to
2 propose a final remedy to NMED. EM-LA and N3B submitted an updated Chromium Interim
3 Measure and Characterization Work Plan. It met three of the primary objectives, which was
4 to prevent migration of the plume beyond the LANL boundary, close any data gaps, to
5 conduct a corrective measures evaluation and propose a strategy for transition to a more
6 full-scale extraction solution.

7 Middle DP Road – They are getting samples to determine whether or not there is a need for
8 further excavation conservatively however they are removing some soils above residential
9 and construction level risks. In addition to that, they are doing a risk evaluation on the data
10 from the existent samples.

11 Budget – Operating under a continuing resolution. The Fiscal Year 2022 budget is \$292
12 million and is under what was requested for Fiscal Year 2023.

13 Strategic Vision – EM-LA has launched the long-term strategic development and is actively
14 engaging with the stakeholders. They are engaging with the Pueblos of Northern New
15 Mexico and setting up public listening sessions and obtaining feedback and establish values
16 that will aid them in prioritizing the work scope for the remaining legacy cleanup. EM-LA and
17 their contracting partner Longenecker & Associates have considered the feedback that the
18 NNMCAB and other stakeholders have provided and will incorporate it into future strategic
19 vision sessions. They have received a commitment from all four Accord Pueblos to participate
20 in this activity. They are scheduling more sessions with additional stakeholders in the
21 months to come.

22 Justice40 Initiative – EM-LA is continuing to engage in Justice40. One area they are
23 approaching differently is their Los Alamos Pueblos Project Agreement with the four Accord
24 Pueblos. Through meeting with these Pueblo leaders and their environmental departments
25 they are determining opportunities under their current agreement to build capacity at the
26 Pueblos for more environmental sampling and monitoring. They are also learning that the
27 Accord Pueblos needed more support for their participation as trustees in the Natural
28 Damage Assessment Process, so they are working with their NNSA counterparts to explore
29 opportunities for this. EM-LA is supporting a new initiative with the University of New
30 Mexico – Taos Hub of Internet-based Vocation and Education (HIVE) for development in
31 northern New Mexico through coaching and mentorship for digital jobs in historically
32 underrepresented communities. They are also working with the Santa Fe Indian School to
33 support building and launching community study institute for Santa Fe Indian School
34 graduates and their cohorts.

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36 **IX. Update and Look Ahead from N3B**

37 Mr. Jeremiah McLaughlin, N3B, gave the update and look ahead.

38 **Safety Performance**

39 Regarding N3B implementing a stop work, they had an individual that slipped and got some
40 cactus needles, a head injury exiting a vehicle, a heat stress injury, some adherence to their
41 lockout tagout program and making sure they have trained and qualified individuals doing
42 the work. There were no serious or significant injuries, but they did feel that the incidents
43 were precursors and it was an opportunity for them to back up and take a look at their work
44 processes, their work control, engage the workers on the ground, and make sure that

1 everyone was working safe. They have had a problem with some individuals having issues
2 with situational awareness coming out of COVID and there seems to be a lot of distractions
3 outside of work. This was an opportunity for N3B to really engage their workforce, make
4 sure their programs are good, and that their work control is sufficient to effectively and
5 safely complete work. The stop work was self-imposed and senior management determined
6 it was time to step back and evaluate the processes and procedures. The approach for this
7 was called the Situation Room. They had program managers from Engineering, Health and
8 Safety, as well as their President and Chief Operating Officer, Program Managers from ER
9 and CH TRU comprise this group management team. Every project they have in N3B got in
10 front of the Situation Room and the team of senior managers took a look at procedures,
11 work control, their permits and had workers from every project in the room so they could
12 interview them. They went through procedures and integrated work control packages page
13 by page to make sure that everything was accurate. The stop work happened on October 13,
14 2022. Every one of the Situation Room meetings they had, had corrective actions come out
15 of it. Some of them had ten to fifteen to twenty corrective actions which ranged from
16 procedure updates to additional training requirements. When the corrective actions were
17 complete, they went back to the situational room and verified that everything was
18 complete, released the work and re-authorized it on a case by case basis. As of last
19 Thursday, they re-authorized all ER and CH TRU work outside of electrical work at N3B. All of
20 N3B's supervisors and managers are taking a Safety Trained Supervisor Course from the
21 Board of Certified Safety Professionals.

22 **Waste Management**

23 N3B continues their shipments of TRU waste and LLW. The goal for FY 2023 is going to be 40
24 TRU waste shipments which is up 33% from last year. They did complete 52 shipments last
25 year. N3B will resume the retrieval of the CMPs and the size reduction them and initiate
26 their glovebag processing line at TA-54.

27 **Environmental Remediation**

28 N3B will continue with their soil sampling and remediation campaigns, which they call the
29 Aggregate Areas, in Twomile and North Ancho sites. They will continue sampling at Middle
30 DP Road. They are starting to do more work at TA-21 with characterization sampling in the
31 industrial waste lines. The plan is to start the sampling in February 2023 to help better
32 determine what type of waste profiles and what the D&D requirements are going to be for
33 that building. N3B will be evaluating the subcontractor awards for drilling the new wells R-
34 76 and R-77.

35 **Other News**

36 N3B is about to wrap up their first five years on the contract. They are working with EM-LA
37 on the three-year extension and developing cost and schedule associated with that
38 extension.

39 **Chromium Well R-73**

40 R-73 is a Chromium well that was determined that it needed to be an angle drilled well.
41 There were inherent difficulties in drilling angled wells, and they are in the process of
42 completing a root cause analysis. Based on the teams review of the drilling methods,
43 logbooks from the drillers, looking at formations, they have determined that it was from a
44 failure from a weld. The last piece of the root cause analyses they are waiting on is that they

1 cut the every one of the welds from the pipe off and they sent it to an independent
2 laboratory, and they will do assays on those. They expect to have that information back in
3 the next few weeks to conclude that root cause analysis.

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5 **X. Public Comment Period**

6 Ms. Fernandez opened the floor for public comment at 3:02 p.m.

7 Mr. Jim Murphy, NNM CAB Member, stated that, “as they listen to these presentations, it
8 sounds like the presentations are about isn’t this great we are going to increase the number
9 of truck drivers for trucks going to WIPP, we are going to increase the number of wells we
10 are going to dig, we are going to increase.... The operative word being increase and isn’t that
11 great. The question I was going to ask and I decided against it, but I will just say it out loud
12 is, to the public, is all this news positive or does it sound sometimes like the more of these
13 things we do, that means the more we are digging up, the more things we are finding on the
14 hill, the more is going to come down 599, the more is going to go down to WIPP, and that is
15 not good news. So, it is just a meandering question.”

16 With no further public comment, Ms. Fernandez closed public comment at 3:04 p.m.

17
18 **XI. Update from New Mexico Environment Department**

19 Mr. Rick Shean gave the update for NMED.

20 **Groundwater** – The R-73 well installation activities are halted because of a drilling issue.
21 DOE is planning to plug and abandon the well and potentially hire a new driller, abandon the
22 well, and drill a replacement. It is a setback for the Chromium Interim Measure Project
23 because drilling the other IM wells is on hold until they complete this analysis. NMED went
24 on a site tour to Chromium on November 2nd. DOE and NMED held two technical meetings
25 in October to discuss DOE models for the Chromium plume with the Environmental
26 Protection Agency (EPA) also participating. NMED is conducting a review of the Chromium
27 Interim Measure and Characterization Work Plan that was submitted on September 29th
28 which was milestone number two.

29 **CO Milestones** – 19 milestones were finalized for Fiscal Year 2022 with 18 being submitted
30 on time. Milestone number seven, the completion of R-73, an extension was granted
31 because of the field issues they were having. NMED and DOE are in discussions to finalize
32 Appendices A, B, and C of the Consent Order for Fiscal Year 2023. Results have been delayed
33 because of Well R-73.

34 **Middle DP Road** – They are waiting on a completion of the field work and submission of the
35 final report on the investigations at this point.

36 **Approval of Documents** – They approved Certificated of Completion for four Solid Waste
37 Management Units and one Area of Concern in Canon del Valle Aggregate Area on October
38 24th. Interim Facility Wide Groundwater Monitoring Plan for Monitoring Year 2023 was
39 approved on October 12th. NMED is currently reviewing periodic monitoring reports for
40 Material Disposal Area (MDA) L on TA-54 monitoring group and Vapor Sampling Activities at
41 MDA C on MDA C monitoring group. NMED staff is also reviewing the Quarterly Status
42 Report for Plug and Abandonment of Westbay Well R-25 and NMED is working with the
43 State Engineers Office to provide consistent direction to DOE to complete this project.

1 **Permit Related LANL Activities** – Review of the permit application is ongoing and NMED is
2 waiting for DOE to revise and submit that application that includes an additional storage
3 unit. NMED has approved with additional modifications Revision 32 of the Site Treatment
4 Plan of the Federal Facilities Compliance Order. NMED issued a Public Notice and considered
5 public comments prior to issuing approval with modifications on August 4th. EPA
6 Headquarters and the Region 6 staff will be visiting LANL’s open detonation site at the end
7 of the month at the request of DOE.

8 **WIPP Update** – They are still working on the draft permit and are working on the draft
9 permit fact sheet which will be issued in December and have a 60-day public comment
10 period with a public hearing planned for May to June 2023 timeframe.

11 **Shipments Update** – Total containers emplaced this year were 3,278 and the total
12 shipments were 207. They have received 104 from Idaho National Laboratory, 68 from
13 LANL, 17 Oak Ridge National Laboratory, 15 from Savannah River Site, and 3 from Lawrence
14 Livermore National Laboratory.

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16 **XII. Presentation**

17 Mr. Thomas McCrory, EM Los Alamos, presented on, “Chronology of Interim Measure for
18 Chromium.” An electronic copy of the presentation may be obtained from the NNMCAB
19 Staff (menice.santistevan@em.doe.gov or bridget.maestas@em.doe.gov or by calling (505)
20 500-5537.

21
22 **XIII. Update on 2022 Consent Order Appendix B Milestones and Targets**

23 Mr. Bishop stated that the NNMCAB went over this in the beginning of October when they
24 were in the middle of Well R-73 and trying to figure out what happened. The current driller
25 will be exiting, and the new driller will be going under contract and will be getting the
26 drilling equipment on in early January to re-start the drilling program. They do have a couple
27 of wells to plug and abandon including R-73 so that is a different set of equipment they will
28 be getting on site. Mr. Bishop noted that nothing has changed with Appendix B. He noted
29 that on page 1, there are still the two blank boxes for two wells, and they have a meeting
30 scheduled after the Thanksgiving Holiday with the State to hopefully go in and close
31 negotiations on R-76 and R-77. He also noted that those could be potential milestones. Mr.
32 Bishop stated that he would be meeting with NMED on December 5th to hopefully close
33 Appendix B. Mr. Bishop stated that there are currently 15 agreed to milestones and in
34 Appendix B space, there are between 10 and 20 required. Targets coming up next year, they
35 have 20 identified targets and in 2025 they have 12 identified targets. Mr. Bishop went over
36 a quick snapshot of the campaigns that are in progress (see Appendix B attachment).

37 Mr. Hayden asked regarding longer term plans, when is this going to be done, how much is
38 it going to cost, now much have they spent, etc. Is that in the works and if so, when?

39 Mr. Bishop stated that they have a draft 5-year outlook right now and they are working with
40 N3B, who only has a three-year contract now but they are getting a 5-year plan together.
41 Mr. McLaughlin stated that they have the schedule and cost for the first three years, but he
42 is not sure where they are on the outlying two years. Mr. Bishop stated that he has a draft
43 of the five year plan on his desk which would finish up N3B’s contract and he believes they
44 committed to the State a finish date of Area G and all the MDA’s is targeted for 2036.

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XIV. Wrap-up Discussion

Mr. Pacheco thanked the NNMCAB Members for all the interesting conversations and thanked everyone for the presentations and he felt like he got a lot out of the meeting today.

Mr. Hayden stated that it was a very beneficial meeting and thanked Mr. Fernandez for Chairing the meeting remotely and on the fly.

Ms. Martin stated that she as well thought that the meeting was excellent, and she appreciates everyone’s comments and the information they have been given.

Mr. Murphy stated that as usual he is about 95% overloaded the whole meeting, but it was very helpful. He noted that it is good to hear the questions and the answers, and he has learned a great deal. Mr. Murphy stated that he had no idea what was going on at Los Alamos until he got to be a part of this and now, he is really impressed with all the work that is being done there.

Mr. Life thanked Mr. McCrory for the presentation and said it was one of the better presentations and got a lot out of it. He noted that it is always nice to hear the thoughtfulness that they are putting into the problem.

Mr. Barger stated that it is his understanding that this committee has been tarred with a brush of being in lock step with EM-LA over the years and he has no personal knowledge of that. He thinks that in the case of the Chromium Plume, he thinks that it is time to raise their voice to help propel EM and N3B along in creating a final remedy and get going with the Chromium Plume issue. He noted that he is still confused why NMED is opposed to re-injecting the treated water at the edge of the plume when it seems to be working. He would like to see them get over that hurdle and see the Risk Committee get a recommendation to the NNMCAB to further this along and reach a solution between EM and NMED.

Dr. Hewlett stated that he had to step away to teach a class but wanted to apologize to Mr. McCrory for missing his presentation. He thanked Ms. Gilbertson for her presentation in spite of being in the midst of her COVID bout and did an excellent job in stepping in for Mr. Mikolanis.

Ms. Anne Laurent apologized for not being able to attend in person but the County of Los Alamos went into the red as high risk for COVID so they are going back to remote and they were also juggling a mandatory power outage. She noted that she listened in and appreciates all the presentations and learned at ton.

Ms. Fernandez thanked everyone for attending and appreciates all the speakers for their time.

XV. Adjournment

Mr. Bishop thanked everyone for attending the meeting and wished everyone a Happy Thanksgiving.

With no additional business to discuss, Mr. Bishop adjourned the meeting at 5:02 p.m.

1 **Respectfully Submitted,**



2
3 **Ms. Cheryl Atcitty, Chair, NNM CAB**

4 ***Minutes prepared by Bridget Maestas, Executive Assistant, NNM CAB**

5
6 **Attachments**

- 7 1. **Final NNM CAB Meeting Agenda for 11/15/2022**
- 8 2. **Final NNM CAB Meeting Minutes for 07/20/2022**
- 9 3. **Biography, Thomas McCrory, EM Los Alamos**
- 10 4. **Presentation by Thomas McCrory, "Hexavalent Chromium Plume in the Regional Aquifer"**
- 11 5. **Handout, Appendix B Milestones and Targets**
- 12 6. **N3B Report to the NNM CAB for August 2022**
- 13 7. **N3B Report to the NNM CAB for September 2022**

14 **Public Notice:**

15 ***All NNM CAB meetings are recorded. Audio files will be placed on file for review at the NNM CAB**
16 **office, 94 Cities of Gold Road, Santa Fe, New Mexico, 87506. The written minutes are intended as a**
17 **synopsis of the meeting.**