

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
CENTERS FOR DISEASE CONTROL
NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH 1

+ + + + +

ADVISORY BOARD ON RADIATION AND
WORKER HEALTH

+ + + + +

WORK GROUP ON LOS ALAMOS NATIONAL LABORATORY

+ + + + +

TUESDAY
SEPTEMBER 11, 2012

+ + + + +

The Work Group convened via teleconference at 2:00 p.m. Eastern Time, Mark Griffon, Chairman, presiding.

PRESENT:

MARK GRIFFON, Chairman
JOSIE BEACH, Member
JAMES E. LOCKEY, Member
WANDA I. MUNN, Member

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

ALSO PRESENT:

TED KATZ, Designated Federal Official 2

JENNIFER CATECHIS, Congressman Ben Ray Lujan's
Office

ANDREW EVASKOVICH

JOE FITZGERALD, SC&A

MICHELLE JACQUEZ-ORTIZ, Senator Tom Udall's
Office

JENNY LIN, HHS

GREG MACIEVIC, ORAU Team

MAUREEN MERRITT

CHRISTOPHER MILES, ORAU Team

JIM NETON, DCAS

DAN STEMPFLEY, ORAU Team

JOHN STIVER, SC&A

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22

P-R-O-C-E-E-D-I-N-G-S

3
2:01 p.m.

MR. KATZ: We'll get started with roll call in a second. Let me just say I want to apologize for all of you others and the public in particular on the line who were on the line at 1 o'clock, didn't have notice that the meeting time had changed.

We tried to get out a notice, but it didn't get to everyone, and it didn't get posted in time. I apologize for that. I did get on the phone at 1 to tell people waiting on the line that we were moved to 2 p.m. but I called in again 15 minutes later and there were a few people on the line who just hung up as I called in, so I know I didn't get to everybody.

So, again, I just want to apologize. It was a late, last minute change but we really didn't have an alternative and thank you for bearing with us. Let's get going with roll call.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 (Roll call.)

2 MR. KATZ: The agenda for this⁴
3 meeting is -- should be now posted on the
4 NIOSH website -- I haven't rechecked it -- as
5 well as the NIOSH Evaluation Report that's
6 being discussed at this meeting, and I would
7 just ask everyone except when you are
8 addressing the group please mute your phone.

9 If you don't have a mute button on
10 your phone press *6 to mute your phone and
11 then if you need to come off of mute press *6
12 again.

13 And, please, nobody put this call
14 on hold at any point. Hang up and dial back
15 in if you need to leave for a period. But
16 thanks, and Mark, it's your agenda.

17 CHAIRMAN GRIFFON: Okay. Thanks,
18 Ted. This is Mark Griffon, the chair, and I'd
19 just ask that on this type of phone call if we
20 all try to say our names before we talk it
21 might make it easier for the transcript.

22 Ted's right. The -- we have a

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 pretty straightforward agenda and hopefully a
2 fairly short meeting here. 5

3 I think the main item, the first
4 item and the main item, is to discuss the
5 NIOSH SEC petition Evaluation Report, I guess
6 dated August 15th.

7 So I think I'll just turn it over
8 to whoever's going to maybe give us an
9 overview of that from NIOSH and we'll start
10 there if that's okay.

11 DR. NETON: Yes, Mark. This is Jim
12 Neton. I'll take on that task.

13 CHAIRMAN GRIFFON: Go ahead.

14 DR. NETON: Okay. We revised, as
15 everyone knows by now, our Evaluation Report
16 to the LANL Petition SEC-00109.

17 So we rethought through our logic
18 in certain key areas and decided to reissue
19 the Evaluation Report, Revision One, which is
20 marked -- that was issued -- I believe the
21 issue date on the report is August 13th.

22 It might have been posted on the

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

1 website on the 15th. But at any rate, it's
2 out there available for people and I hope⁶
3 people on the call have had a chance to look
4 at it.

5 I'll just sort of give a thumbnail
6 sketch of our thought process behind our
7 change of position and then I guess we can
8 entertain any questions after that.

9 If you all recall, there were
10 previous NIOSH evaluations for various SEC
11 petitions starting with SEC 51, 61 and SEC 170
12 that established various Classes of SECs or
13 SEC -- yes, SECs at LANL. They currently
14 extend from March 15th, 1943, through December
15 31st of '75.

16 The basis for that Class was the
17 infeasibility of internal dose reconstructions
18 for a number of radionuclides including what
19 we have commonly been calling at a lot of
20 these sites the exotic radionuclides and
21 particularly your alpha emitters that are not
22 routinely monitored nor are workers fairly

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

1 routinely exposed.

2 That -- you know, normally a ⁷
3 facility would monitor for a nuclide such as
4 plutonium and uranium, which were pretty
5 prevalent throughout the complex.

6 But these so-called exotics
7 included nuclides such as curium, neptunium,
8 strontium and thorium, to some degree.

9 And in addition, the Class at LANL
10 was also added because of these mixed fission
11 and activation products that just weren't
12 monitored for and we had no sense that we
13 could reconstruct internal exposures for those
14 nuclides even though it did appear in many
15 instances the exposures were not that great.
16 But they couldn't be reconstructed with
17 sufficient accuracy.

18 And part of the evaluation -- in
19 the Evaluation Report for SEC 51 it was
20 recognized that dose reconstruction still
21 might exist for the post-'75 period.

22 In particular, you know, we reserve

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 the right to go back and look at the treatment
2 of those exotics and mixed fission activation
3 products further.

4 When SEC -- when the current SEC
5 Petition 109 was issued, it qualified
6 principally based on that fact that or one of
7 the facts was that mixed fission and
8 activation product exotics weren't monitored.

9 We've gone back and looked in more
10 detail at the -- our ability to reconstruct
11 these internal exposures to exotics and mixed
12 fission activation products and we've come to
13 the conclusion, if you've read the report,
14 that we can't do it with sufficient accuracy.

15 It was a novel approach to try or
16 put forth for the reconstruction of these
17 nuclides at Los Alamos and that had to do with
18 the fact that given the level of monitoring
19 that was performed with plutonium and uranium,
20 and they seemed to have been monitored pretty
21 well, that the feeling was well, why would
22 these other nuclides have been handled any

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

1 differently.

2 So in other words, the exposures⁹
3 were more likely controlled in the same manner
4 and to the same levels.

5 And in fact, a lot of discussion
6 went on in the Working Groups and NIOSH did
7 produce a lot of documentation supporting the
8 fact that the health physics program did seem
9 to be there, but nonetheless the level of
10 monitoring for these exotics and mixed fission
11 activation products was pretty sparse --
12 almost nonexistent for some exposure modes.

13 So the idea was that we had
14 proposed, if you recall in the Evaluation
15 Report, that we would take the coworker data
16 that you could establish for plutonium,
17 uranium, and cesium and tritium, to some
18 extent, and use those coworker models and
19 assign doses for all these other radionuclides
20 based on the exposures that were experienced
21 to the plutoniums and the uraniums.

22 And after really looking at this in

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 some detail, essentially that's sort of a
2 surrogate data approach, if you want to think ¹⁰
3 of it that way -- after looking at it in some
4 detail it really didn't appear to us to hold
5 water.

6 But one of the main reasons we
7 think is that the exposure to these exotics we
8 could not demonstrate with any degree of
9 confidence that the exposures were controlled
10 and handled in a similar manner.

11 Even though the health physics
12 program seemed to be in place, it seems that
13 these exotics which were not used on a routine
14 basis would have been -- could have had
15 different types of exposure conditions present
16 than what you would experience with the things
17 like plutonium and uranium.

18 So in other words, the exposure to
19 the exotics, you know, might -- were on a much
20 more intermittent experimental basis or very
21 much episodic in nature that would preclude
22 the use of this chronic exposure model that

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 was developed for things like plutonium and
2 uranium. 11

3 And in addition, the short duration
4 exposures that were established for these
5 small experiments might not have had similar
6 engineering controls. We just couldn't
7 determine that to any degree of -- with any
8 degree of confidence.

9 So after reviewing all of that
10 information we agree or we decided that we
11 would -- Class should be added based on our
12 inability to reconstruct doses for these
13 exotics and mixed fission activation products
14 from January 1st, '76, all the way through the
15 end of December, '95.

16 We reserve judgment to continue to
17 review data after '95. We're not saying at
18 this point that we've made a determination,
19 but it appears to us that '95 is a -- is a
20 good cut point based on the existence of 10
21 CFR Part 835, the establishment of a technical
22 basis document for internal dosimetry and

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 preparation of resolutions and responses to
2 some Tiger Team concerns that were raised. 12

3 So we're going to continue to look
4 at that and make a final determination at a
5 later date. But we did want to put this Class
6 forward once we made our decision for workers
7 up through '95.

8 We do believe that we can do
9 external dose reconstruction as we had
10 proposed in the previous Evaluation Report.
11 We have a large number of external monitoring
12 results. Virtually all workers were monitored
13 after '75 or the majority of all workers were
14 monitored.

15 We have good beta measurements in
16 the field and we believe that we can
17 reconstruct neutrons using either
18 neutron/photon ratios or the albedo dosimeters
19 that were in place after 1980.

20 So that summarizes our position in
21 a nutshell. I'll be happy to answer any
22 questions.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 CHAIRMAN GRIFFON: Jim, this is
2 Mark. One thing -- you may have said this but
3 is this for all workers or could you -

4 DR. NETON: Yes, I'm sorry. It's
5 for all workers and it's very much based on
6 the same reason that SEC 170, the 83.14 was
7 added, is that it's just not possible to
8 determine who entered which areas.

9 CHAIRMAN GRIFFON: Right. Okay.

10 DR. NETON: It will be for all
11 workers on site.

12 MEMBER LOCKEY: Jim Lockey. That
13 includes the firefighters, right?

14 DR. NETON: Yes. And the normal --
15 the normal caveats do appl that it's 250 days
16 of exposure, you know, in the Class. Yes, it
17 would include firefighters.

18 CHAIRMAN GRIFFON: Okay. And then
19 -- and I -- I mean, I don't think we have to -
20 - the only question I have, I mean, this has
21 obviously been the source of several SC&A
22 findings that we've been discussing on the

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

1 Work Group over the course of the last year.

2 So, I mean, the exotics and the ¹⁴
3 mixed fission products, mixed activation
4 products I don't know that the -- I mean, I
5 think that's one thing.

6 I think the decision that you made
7 on the cut point at least for now is logical
8 to me as well that, you know, because there
9 was a much more robust program across the
10 complex as of '95. So I think that makes a
11 lot of sense.

12 I don't know if other Members of
13 the Board have any questions.

14 MEMBER BEACH: Yes, Mark. This is
15 Josie. That was my big question was the cut
16 point, and it's clear now that we'll go to '95
17 and then you'll still look at that time --
18 that time period.

19 And I'm assuming the Work Group
20 will come back and discuss the '95 to 2005
21 time frame at some point.

22 CHAIRMAN GRIFFON: Yes, I would

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

1 assume that but, you know, it's definitely
2 still on the table and there are several ¹⁵
3 questions that I think the petitioner had that
4 happened post-'95 that we'll still have to
5 address. But at least let's get a big chunk
6 of, you know, of folks -

7 DR. NETON: I would like to point
8 out one error that exists in the -- or one
9 clarification for the Evaluation Report. The
10 table in the back, I believe, says that we
11 cannot reconstruct tritium exposures and we do
12 have a coworker model for tritium so that's
13 not technically accurate.

14 What it -- what it should have said
15 was exposures to certain stable metal tritides
16 because we do have coworker models for tritium
17 but there are some tritides, metallicall-
18 bound tritium exposures, that we believe that
19 we can't reconstruct. So just wanted to point
20 that out.

21 It's inconsistent. If you read it,
22 it says we can do tritium and then it says in

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

1 the back you can't, and that really should say
2 tritides. 16

3 CHAIRMAN GRIFFON: Okay. So the
4 primary basis, Jim, is the exotics, and I
5 think we should be careful in the way we
6 characterize this, especially if we want to
7 bring a motion back to the full Board, and
8 then mixed activation and mixed fission
9 products -

10 DR. NETON: Right.

11 CHAIRMAN GRIFFON: -- and metal --
12 and some metal tritides or something like that
13 we could --

14 DR. NETON: That's right. Yes.

15 CHAIRMAN GRIFFON: Yes. And can
16 you just for the record, again, can you tell
17 us -- I know we've discussed many exotics.
18 Did you have primary ones that -- you know,
19 you said neptunium -

20 DR. NETON: Yes. They're the ones
21 -- yes, neptunium-237, actinium-227,
22 protactinium-231, curium-244.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 CHAIRMAN GRIFFON: Yes. Okay.

2 DR. NETON: There's a -- there's a ¹⁷
3 number of them. I mean, it's sort of --

4 (Simultaneous speaking.)

5 DR. NETON: -- happened in other
6 national laboratories if you think about it.

7 We have Brookhaven and Lawrence
8 Livermore and now Los Alamos and there's just
9 these sort of little campaigns of other
10 experiments going on that are just -- don't
11 lend themselves to reconstruction based on any
12 type of coworker models that we can establish.

13 You know, the thought process -

14 CHAIRMAN GRIFFON: Yes.

15 DR. NETON: -- was pretty sound in
16 the beginning when we had all this plutonium
17 and uranium data. But, really, after going
18 through it and fine tuning it, it just didn't
19 seem to hold water to us. Anyway, that's
20 where we're at.

21 CHAIRMAN GRIFFON: But --

22 MEMBER BEACH: So just to be clear,

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 Mark -- this is Josie again. I have a
2 question. On the H3, are you going to update¹⁸
3 the chart?

4 DR. NETON: No, I'm going to -- I'm
5 going to make sure I point this out on my
6 presentation. But I didn't feel -- since it
7 is tritium. It's just tritides, not tritium
8 itself.

9 Tritium -- tritide is a form of
10 tritium, I suppose. I mean, it didn't seem,
11 in my opinion, worth revising the entire
12 report to put a footnote in it.

13 MEMBER BEACH: Okay. I just wanted
14 to be clear.

15 DR. NETON: As long as I think we
16 get the definition set straight at the
17 Advisory Board meeting and the letter to the
18 Secretary states it properly I think we're
19 okay.

20 MEMBER BEACH: Okay.

21 CHAIRMAN GRIFFON: Yes, that was my
22 focus was maybe in the motion that there were,

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 assuming me make a motion here, I would --
2 that we say exotic radionuclides including ¹⁹
3 protactinium, curium, neptunium -

4 DR. NETON: Right.

5 CHAIRMAN GRIFFON: -- and metal
6 tritides as well as mixed activation and mixed
7 fission products, something to that effect.

8 DR. NETON: Right. That was -- I
9 think.

10 CHAIRMAN GRIFFON: Yes. Okay. Any
11 other questions from the Board? I don't know
12 if we -- I think we can give ourselves -- I
13 don't know who has to make an official motion
14 but the idea I had was that if we have
15 agreement with our Work Group it would be nice
16 to go to the meeting next week with a motion
17 from the Work Group saying that, you know,
18 through all our Work Group discussions on
19 these items and given NIOSH's current position
20 we'd make a motion to include the Class as
21 defined by NIOSH in this report. I don't know
22 if that -- if that's agreeable to folks or -

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 MEMBER BEACH: This is Josie.
20

2 Mark, that's agreeable to me.

3 MEMBER LOCKEY: Jim -- this is Jim
4 Lockey. It's agreeable to me.

5 MEMBER MUNN: And this is Wanda. I
6 oppose the concept. I don't know that we had
7 any option.

8 It is obviously an erroneous thing
9 to make the assumption that every person who
10 submits a claim was a potential employee who
11 had been exposed to exotics.

12 We all know that that was not true
13 and for us to affirm an SEC indicating that
14 that was a potential is almost insulting to
15 the men and women who have operated an
16 excellent program at Los Alamos and kept
17 reasonable records, if not records that meet
18 the Definition that we've set for a very high
19 bar.

20 I don't know that there's an option
21 other than the one to recommend that we accept
22 NIOSH's position. I don't know how we could

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

1 do anything but.

2 So, yes, I see no alternative to 21
3 recommending that the NIOSH position be
4 accepted. I personally do not accept it, and
5 I don't believe most people who work in this
6 field can accept it.

7 CHAIRMAN GRIFFON: I appreciate
8 your comments, Wanda. I think NIOSH staff
9 certainly has struggled with this for, you
10 know, quite a while and, you know, but I think
11 it's one of those situations where, as Jim
12 described it, just couldn't come up with a way
13 to be able to reconstruct.

14 So I know you're saying it would --
15 we're possibly adding a lot more people in the
16 Class that -- than were likely to really have
17 been exposed to these materials. But -

18 MEMBER MUNN: In 99 --

19 CHAIRMAN GRIFFON: -- I don't know
20 we have the records to identify - yes.

21 MEMBER LOCKEY: Wanda, hi. Jim
22 Lockey. I mean, I would agree with you, but

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 we've run across the same issue, for instance, 22
2 like General Electric here in Cincinnati.

3 I mean, it really more applies to
4 how the legislation is written rather than the
5 facts on the ground. But if you can't
6 identify the potential people who had the
7 potential exposure then our hands are tied, I
8 think.

9 MEMBER MUNN: Well, the fact that
10 the people are for the most part no longer
11 living who were involved in those experiments
12 makes it difficult to do.

13 But there is no question that
14 people who were not anywhere near -- for
15 example, we've spent a great deal of time
16 talking about the accelerators and the non-
17 reactor activities that took place on the
18 site, and we know very well very few people
19 were involved in those programs -- very few.

20 And for us to therefore say anyone
21 who happened to be on site for 250 days
22 qualifies for this is -- if this was the

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 intent of the legislation then it was clearly
2 flawed at the outset, and multiple wrongs do ²³
3 not make a right.

4 However, as I said at the outset, I
5 see if NIOSH takes the position that they
6 cannot do this with "sufficient accuracy" --
7 heaven knows what sufficient accuracy is when
8 they're talking about relatively small
9 exposures to a very, very small number of
10 people.

11 Nevertheless, I see no option other
12 than to agree that we will recommend a Special
13 Cohort.

14 CHAIRMAN GRIFFON: Okay. I mean,
15 I'm prepared to, you know, summarize a motion,
16 and I will indicate, you know, that we have a
17 three-to-one opinion and, you know, then the
18 Board will take it up anyway.

19 So it will be a full Board action.

20 But I'll be prepared to present a motion from
21 the Work Group and summarize some of the
22 activities we've gone through in the last

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 couple Work Group meetings to, you know,
2 indicate the -- these particular issues over ²⁴
3 reconstructing for exotics for mixed fission
4 and activation products.

5 And I'm not sure how much we
6 touched on tritides, but we at least had
7 lengthy discussions on the other two areas.
8 So I'll do a brief presentation on that as
9 well as a motion.

10 SC&A, did you have anything to add,
11 Joe, on this discussion?

12 MR. FITZGERALD: No. I think
13 certainly over the last couple of Work Group
14 meetings there was clear convergence on some
15 of these very questions.

16 I think this revision is an
17 acknowledgment that we're pretty much getting
18 on the same page as far as those issues and
19 as, I think, Josie was indicating there will
20 be some scrutiny around '95 to see when things
21 were resolved in terms of the dosimetry
22 program.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 I think term 835 was a key
2 regulatory driver in that time frame. So was
3 the DOELAP accreditation program for internal,
4 and as I recall I think for Los Alamos that
5 accreditation occurred in 1999 or 2000.

6 So there's a period of time in the
7 mid to late '90s when the bioassay program was
8 being upgraded and being reviewed for
9 accreditation.

10 So I think that's going to be a
11 good time period to examine exactly what
12 happened on the ground and to what extent the
13 issues we've identified have been resolved in
14 that -- in that review.

15 So I think, certainly, we're in
16 good shape.

17 CHAIRMAN GRIFFON: Thank you, Joe.

18 And then I think is there anything more to
19 discuss on the report itself or this proposed
20 motion? The other part of this short agenda
21 and maybe -- Ted, maybe you can help me with
22 this.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 It is public comments from the June
2 Board meeting. Did we want to go over those ²⁶
3 or what's the -

4 MR. KATZ: So this is Ted. Yes, I
5 mean, that's -- well, that's the question to
6 you.

7 I put it on the agenda because are
8 we going to have any discussion of this in
9 planning for the meeting, but I did circulate
10 more than a month ago, I think, when NIOSH
11 DCAS did their usual job of pulling together
12 all the public comments from the previous
13 Board meeting and sort of distributing them to
14 the parties that are responsible.

15 You know, part of that element
16 NIOSH takes care of where they take care of
17 comments that are sort of within their domain.

18 But comments that are made that are judged to
19 be in part or entirely sort of in the domain
20 of the Board are sent to the responsible Work
21 Groups. So that's what I sent you.

22 I sent you from the June Board

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

1 meeting comments -- I think five comments all
27
2 related.

3 You know, it's a matter mostly, I
4 think, that we're talking about here because
5 they're all matters related to this petition
6 that are -- it's the Work Group's prerogative
7 to address those comments, just as DCAS
8 addresses them when they're within their
9 domain.

10 So you all have these I think, and
11 the question is whether there are any of these
12 comments that it makes sense to discuss. If
13 you don't have them in front of you I can just
14 run through the shorthand on each one or you
15 can make a judgment about that.

16 MEMBER MUNN: Well, this is Wanda.
17 The purpose of public comment almost always,
18 not every single time but rarely is it geared
19 toward anything other than approval of the
20 SEC.

21 Perhaps it would behoove us to hear
22 from one or more of the petitioners whether

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 they feel public comment should be addressed
2 here further or whether they are content with²⁸
3 the extent of the discussion that's been made
4 to this point.

5 CHAIRMAN GRIFFON: Yes. The other
6 thing I was going to say, Wanda, is maybe we
7 could consider this -- these comments in the
8 next meeting of the Work Group, you know, to
9 the extent that they are still relevant if --
10 assuming we approve the extension of this
11 Class.

12 Some of these may be comments
13 related to, you know, the time period that
14 will be covered and may be addressed by, you
15 know, the addition of this Class up to '95.

16 I see some, you know, that are
17 talking about later, reports in 2005 and other
18 things. So that may not be the case. But
19 yes, I guess -- you know, I guess I can go
20 either way here.

21 Ted, if you can maybe summarize
22 them briefly and then I'm not sure I'm

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

1 prepared right now to discuss them but -

2 MEMBER BEACH: Well, Mark, this is ²⁹
3 Josie. I kind of read through them, and like
4 you said a lot of them have to do with the
5 Tiger Team report, criticism with the approach
6 and a lot of these may have already been taken
7 care of with --

8 CHAIRMAN GRIFFON: Yes.

9 MEMBER BEACH: -- depending on how
10 this -- the outcome of today's meeting and, of
11 course, the full Board meeting.

12 MR. KATZ: This is Ted.

13 MEMBER BEACH: But I like your
14 suggestion.

15 MR. KATZ: Yes, the other -- I mean
16 I agree. A number of these would be sort of
17 caught under the umbrella of the action that
18 NIOSH is proposing and in effect that -- you
19 know, that response -- even though this was
20 put to the Work Group. I can go either way.

21 If you want me to summarize them, I
22 mean, I can real briefly. If you want to just

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 move on and deal with these at the next Work
2 Group meeting if there's any that are left on 30
3 the table you can do that, too.

4 CHAIRMAN GRIFFON: Yes. Why don't
5 we move on and take them up at the next face-
6 to-face Work Group meeting? I think it'd be
7 easier to discuss them in that way.

8 And then, you know, our next topic
9 is in fact petitioner comments. So if there's
10 some things that they feel, you know, that
11 need to be brought up now let's certainly hear
12 that.

13 So, yes, let's move on, and we'll
14 save the June comments for discussion next
15 time we meet face to face, and the next topic
16 is petitioner comments. Is there anyone -- I
17 heard at least one person representing the
18 petitioner.

19 If you have any comments on --
20 mainly, I think we're focused on the NIOSH
21 Evaluation Report. The proposal that NIOSH is
22 making is to extend the Class to 1995.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

1 So do you have any comments for
2 today's meeting? You're certainly welcome
3 also next week to make comments either in
4 person or on the phone at our full Board
5 meeting.

6 MR. EVASKOVICH: Yes. This is
7 Andrew Evaskovich. The -- going to 1995 I
8 agree to that and, you know, NIOSH has said
9 they're going to review the later dates based
10 on the reports that I had submitted.

11 So that's acceptable as well. So,
12 you know, and I agree to the motion to be made
13 to the full Board that this Class be added --
14 you know, all I can say is I'm very happy with
15 this decision, and I'm very grateful for all
16 the work that the Work Group has done, NIOSH
17 and SC&A, and my final comment is thank you to
18 you all.

19 CHAIRMAN GRIFFON: Well, Andrew, I
20 should say it's not decided yet but, you know,
21 at least we're going to move forward with a
22 Work Group recommendation and we'll take it up

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 next week for the full Board. So yes.

2 Then it will surely be on the ³²
3 agenda for the full Board meeting next week.

4 Any other comments?

5 MS. JACQUEZ-ORTIZ: Mark, this is
6 Michelle from Senator Udall's office. This is
7 just a clarification.

8 When this comes up at 1:00 o'clock
9 -- it's like 1:30 to 3:00 -- and we understand
10 that this is by no means a final decision, but
11 could you just walk us through what that hour
12 and a half is going to look like?

13 CHAIRMAN GRIFFON: Yes.

14 MS. JACQUEZ-ORTIZ: We know it's
15 listed as a general agenda item, but our D.C.
16 staff is plugged into this. I'm wondering,
17 you know, to what extent I need to prepare
18 folks.

19 CHAIRMAN GRIFFON: Yes. I mean, I
20 expect -- normally the way we run these things
21 is the initial part will be a presentation
22 from NIOSH.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 I don't know, Jim Neton, if you'll
2 be doing that or who will be doing that but --³³

3 DR. NETON: Yes, I'll be doing
4 that, Mark.

5 CHAIRMAN GRIFFON: Okay. A
6 presentation from NIOSH on this -- on the full
7 Evaluation Report. That'll probably take the
8 larger chunk of time.

9 Usually we leave time for some
10 questions from the Board to NIOSH on that
11 Evaluation Report, and then I think I would
12 take a much briefer period of time to present
13 what the Work Group has discussed and this
14 motion that the Work Group is making to the
15 Board.

16 And then we would have a chance --
17 once it's a motion from the Work Group it
18 doesn't need a second because it's a Work
19 Group recommendation, and then we'd have a
20 full deliberation amongst the Board.

21 Also, at some point there's a
22 period when we have a chance for petitioner

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

1 comments. I guess that would come before the
2 motion. I forget the order on that, Ted. 34

3 But so it's the three things -- the
4 NIOSH report, the Work Group report and a
5 petitioner comment period followed by a vote.

6 You know, since the Work Group's going to
7 make a motion they would have Board action
8 after that.

9 MR. KATZ: This is Ted. Thanks,
10 Mark. So let me just add to that because I
11 heard from -- through the CDC Washington
12 office that both Representative Lujan and
13 Senator Udall both had statements.

14 Senator Udall's would be through a
15 staffer. But the request was for them to
16 present at 1:30 so and that's fine.

17 So they can -- because that's a
18 time certain, which is kind of nice. I know
19 time is precious, particularly for legislators
20 who are going to be somewhere in person and so
21 the Representative can plan to just present at
22 the outset at 1:30 and know exactly when he's

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 on.

2 MS. JACQUEZ-ORTIZ: Okay. That's ³⁵ -

3 CHAIRMAN GRIFFON: Oh, okay. I
4 wasn't aware of that. Sorry, Ted. That's --
5 yes. Certainly -

6 MR. KATZ: That's fine. Everything
7 you said still applies. The rest of the
8 program would go, you know, as you described.

9 If the representative wants to present at a
10 different time at the end of the process
11 that's okay too.

12 It's just that that -- a block of
13 time certain is kind of nice for a person
14 who's on the go. So -

15 MS. JACQUEZ-ORTIZ: Yes. Thank
16 you, Mark. Thank you, Ted.

17 CHAIRMAN GRIFFON: Okay. Thanks,
18 Ted, for clearing that too. So are there any
19 other petitioner comments and-- go ahead.

20 MS. JACQUEZ-ORTIZ: Mark, this
21 means that post-'95 is -- this is by no means
22 a given because the Work Group's going to make

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 a recommendation. NIOSH will make a
2 recommendation. 36

3 But the Advisory Board still has to
4 vote, and if the vote goes the way that the
5 petitioners hope that it goes this means that
6 NIOSH will still consider '95 to 2005 and -

7 CHAIRMAN GRIFFON: Yes.

8 MS. JACQUEZ-ORTIZ: -- the Work
9 Group is still going to work on '95 to 2005?

10 CHAIRMAN GRIFFON: That's correct.
11 Yes.

12 MS. JACQUEZ-ORTIZ: Okay. But
13 you're just trying to -- this decision would
14 carve out a group and that would allow those
15 petitioners to, you know, to be able to apply
16 without holding up the larger group.

17 CHAIRMAN GRIFFON: That's the idea,
18 yes, and we've done this in several, you know,
19 several sites around the country.

20 Instead of waiting until we have
21 answers for everything if we can carve out
22 some, you know, that is helpful. So yes,

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

1 that's the idea.

2 And then we'd reconvene the Work ³⁷
3 Group to meet on the post-'95 issue if the --
4 you know, assuming it's resolved at next
5 week's meeting.

6 MS. JACQUEZ-ORTIZ: And so, Mark,
7 how in those other cases -- I mean, how often
8 is it that NIOSH will make a recommendation
9 but the Advisory Board will not agree? I
10 mean, will not -

11 CHAIRMAN GRIFFON: Oh, I don't have
12 the numbers on that but I mean, you know, this
13 is going to come as a Work Group
14 recommendation and, you know, we'll find out
15 soon enough, I think. So but I think, you
16 know, the fact -- I don't know. It's

17 (Simultaneous speaking.)

18 MS. JACQUEZ-ORTIZ: Yes, it's --
19 I'm just -- I'm thinking out loud and I
20 probably shouldn't. But it was just in light
21 of Wanda's comments. So thank you for that.

22 CHAIRMAN GRIFFON: Okay.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 MEMBER MUNN: This is Wanda again.

2 To my memory only one time has the Board
3 failed to follow the recommendation of the
4 Work Group.

5 MS. JACQUEZ-ORTIZ: Okay. Thank
6 you.

7 MEMBER MUNN: So you can assume
8 that will occur.

9 CHAIRMAN GRIFFON: Yes, that's
10 probably true. Okay. So in the meantime --
11 you know, for next week I'm just going to
12 prepare a -- you know, Jim will do the bulk of
13 the presentation on the Evaluation Report for
14 NIOSH, and I'll prepare a few slides for
15 summarizing the Work Group's position.

16 Ted, I couldn't get you slotted
17 before. Obviously, I was waiting for today's
18 meeting too so but I'll just have a few
19 overheads to present the Work Group's
20 position, and we'll certainly accommodate the
21 Congress folks that want to speak on behalf,
22 you know, the petitioner and the petitioner

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

1 themselves -- give them an opportunity to
2 speak. 39

3 But I think that's where we stand.
4 Is there anything else for today's meeting?

5 MR. KATZ: No. But, Mark, all I
6 would just say about -- I mean, I'm not even
7 sure you need slides. You have relatively
8 little to say, but if you want a slide on, for
9 example, your motion, that might be handy.

10 CHAIRMAN GRIFFON: Yes. That's the
11 one thing I was thinking of.

12 MR. KATZ: Right.

13 CHAIRMAN GRIFFON: Okay. Is that
14 it then? Does anyone else have any --

15 MR. KATZ: No, I -- the only thing
16 else on the agenda that I didn't know whether
17 you needed to discuss the status of current
18 LANL follow-up activities at all. If you're
19 not ready to do that then you can adjourn.

20 CHAIRMAN GRIFFON: Well, I don't
21 know if -- I guess I'm wondering if, you know,
22 really are we talking post-'95 or we don't

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

1 know yet, right? So -

2 DR. MACIEVIC: Well, this is Greg ⁴⁰
3 Macievic. I can give you -

4 CHAIRMAN GRIFFON: Yes. Greg,
5 maybe you can give us an update, yes.

6 DR. MACIEVIC: A little quick
7 explanation what we're going to be doing post-
8 '95 and there's basically two things.

9 One is to take all those action
10 items and review them for how -- the
11 applicability of post-'95 to see if any of
12 these issues drop out or not. That's the
13 first thing.

14 And then the second thing is we're
15 going to do an approach where since this is
16 relatively recent in time -- we're talking,
17 what, 17 years -- yes, 17, 16 years -- there
18 should still be workers there and also people
19 in charge who have been around back to that
20 period.

21 So what we're going to do is go to
22 the LANL site with these action items and set

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 up a large questionnaire type thing and talk
2 to the people like the RadCon manager, health ⁴¹
3 physicists and that and see how they actually
4 conform to the action items currently right
5 now.

6 Then see how they -- how they work
7 and how they do apply and then work backwards
8 to -- back to 19 -- through 1996 and see if
9 they -- the same kind of application all the
10 way back or where does it fall apart and look
11 at it from that perspective so that we can get
12 a view.

13 Instead of just going on a data
14 capture and pulling in a whole bunch more
15 documents and searching, we're going to try to
16 see the point at which LANL can or can't
17 answer the questions on these action items.
18 So that's really going to be our approach.

19 So it's going to take a little time
20 because of the fact that we're going to have
21 to do a lot of arranging and setting up
22 questionnaires for the LANL staff.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 But that is the approach we're
2 going to take and start that out in the near
3 future.

4 CHAIRMAN GRIFFON: Okay. Thank
5 you, Greg. And maybe I would ask Joe to, for
6 SC&A, to do the same thing, maybe to look over
7 the last version of our matrix and action
8 items and, you know, from your perspective.

9 Just have a sense or go through and
10 look at what might fall out. Same kind of
11 idea.

12 DR. MACIEVIC: Yes, I think that -

13 CHAIRMAN GRIFFON: Not to set up
14 interviews but to look at -

15 DR. MACIEVIC: Right. I think it's
16 going to be source term related and probably
17 deal with time frames for certain operations
18 and there may very well be some operations
19 that'll fall out.

20 CHAIRMAN GRIFFON: And I think it
21 would be also useful if -- Joe, if you can
22 coordinate with Greg on that just to see if --

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 I don't think we have to -- if you guys can
2 come to agreement on certain things falling ⁴³
3 out I think that's easy. You know, you can
4 just come to the Work Group meeting and report
5 that. So yes.

6 MR. FITZGERALD: Yes. I think the
7 --

8 (Simultaneous speaking.)

9 MR. FITZGERALD: -- thing will be
10 the last matrix and just more or less updated
11 with the '95 assuming the '95 is approved by
12 the full Board, using that cutoff as the basis
13 for a revised matrix.

14 CHAIRMAN GRIFFON: Okay. That will
15 be helpful. And then I'll stay in touch with
16 both of you and when it makes sense we can
17 plan for another Work Group meeting, yes.

18 But it seems like, you know, there
19 will be some time lag here because some work
20 has to be done, obviously. Okay. Anything
21 else, Ted, Joe, or Greg on that?

22 MR. FITZGERALD: No, that's fine.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 That'll be -- that'll be straightforward.

2 DR. MACIEVIC: Yes, that's fine ⁴⁴
3 with me. And also when we set up these
4 questionnaires I'd like to get also Joey's
5 input on the questionnaires that we're going
6 to use to send out for these different staff
7 members when we're getting this arranged.

8 MR. FITZGERALD: That'll work.

9 DR. MACIEVIC: That's it for me.

10 CHAIRMAN GRIFFON: Okay. Very
11 good. So yes, I think at this point then, you
12 know, we're -- I think we can wrap it up. The
13 main focus was the Evaluation Report. I think
14 we've covered that, and anything else, Ted,
15 before we adjourn?

16 Okay. Well, thank you all for my
17 most efficient meeting ever on the Board and a
18 special thanks since I'm doing it from an
19 airport.

20 MEMBER BEACH: Perfect. Thanks.

21 CHAIRMAN GRIFFON: Okay. And I
22 also apologize, as Ted did, for this delay.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com

This transcript of the Advisory Board on Radiation and Worker Health, Los Alamos National Laboratory (LANL) Work Group, has been reviewed for concerns under the Privacy Act (5 U.S.C. § 552a) and personally identifiable information has been redacted as necessary. The transcript, however, has not been reviewed and certified by the Chair of the LANL Work Group for accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

1 It's due to me. My flights were changed
2 around, and I was in air -- in the air at 1:00⁴⁵
3 o'clock.

4 All right. But thank you all and
5 we'll see you or talk to you next week.

6 (Whereupon, the above-entitled
7 meeting concluded at 2:47 p.m.)
8
9
10
11
12
13
14
15
16
17
18
19
20

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701

(202) 234-4433

www.nealrgross.com