

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

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ADVISORY BOARD ON RADIATION AND
WORKER HEALTH

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DOSE RECONSTRUCTION REVIEW METHODS WORK GROUP

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MONDAY
JULY 18, 2016

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The Work Group convened via teleconference at 9:00 a.m., Eastern Standard Time, James M. Melius, Chairman, presiding.

PRESENT:

JAMES M. MELIUS, Chairman
JOSIE BEACH, Member
DAVID KOTELCHUCK, Member
PAUL L. ZIEMER, Member

This transcript of the Advisory Board on Radiation and Worker Health, Dose Reconstruction Review Methods, 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 Dose Reconstruction Subcommittee accuracy at this time. The reader should be cautioned that this transcript is for information only and is subject to change.

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ALSO PRESENT:

TED KATZ, Designated Federal Official
KATHY BEHLING, SC&A
ROSE GOGLIOTTI, SC&A
JENNY LIN, HHS
JIM NETON, DCAS

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

2 9:00 a.m.

3 **Welcome and Roll Call**

4 MR. KATZ: Why don't we get started?
5 This is the Advisory Board on Radiation and Worker
6 Health. It's the Dose Reconstruction Methods Work
7 Group meeting.

8 There's an agenda that is not posted on
9 the website. I do not know why or if it fell off,
10 but the agenda is very simple anyway. We are
11 discussing the report to the Secretary that has
12 been in draft and has been discussed at board
13 meetings previously and is getting closer to being
14 finished, at least.

15 So that is the main topic, and then
16 discussing methods going forward for the dose
17 reconstruction reviews and -- and what we'll do at
18 the board meeting in August. So that's the agenda,
19 basically. Let's do roll call, and I already have
20 it and don't need to rerun. We have Dr. Melius,

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1 the Chair, Josie Beach, David Kotelchuck, and Paul
2 Ziemer all on the line. Dave Richardson is also
3 a Member of this. I don't think he has joined us.

4 (Roll call.)

5 MR. KATZ: Okay then. I'll just
6 remind everyone to mute your phones except when
7 you're talking. It will help for everyone else.
8 Star 6 to mute your phone, star 6 to unmute your
9 phone. And Dr. Melius, Jim, it's your call.

10 **Discussion on Draft Secretary's Report**

11 CHAIRMAN MELIUS: Okay. Thank you,
12 Ted. It does not necessarily need to be a long
13 conference call, but I wanted to sort of get people
14 up to date, and also see if we can move along our
15 Advisory Board report on the dose reconstruction
16 reviews we've done and so that we can get that up
17 to the Secretary and hopefully get that approved
18 or close to approval at our upcoming meeting in a
19 few weeks in Idaho.

20 So what I've circulated to all of you

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1 middle of last week was a report from the middle
2 part of the report, and the tables and really most
3 of the content of the report is a report from the
4 -- essentially the Dose Reconstruction Review
5 Committee that Dave and others put together, and
6 it has gone through a few drafts, anyway. I'm not
7 sure I've been keeping track or even if Dave has
8 been keeping track, but essentially, it has been
9 discussed in that committee.

10 There is also --

11 MEMBER KOTELCHUCK: I've been keeping
12 track.

13 CHAIRMAN MELIUS: What?

14 MEMBER KOTELCHUCK: I've been keeping
15 track.

16 CHAIRMAN MELIUS: Okay. What draft
17 are we on?

18 MEMBER KOTELCHUCK: This is the third
19 draft.

20 CHAIRMAN MELIUS: Oh, okay. That's
21 not bad, then.

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1 MEMBER KOTELCHUCK: No, not bad.

2 CHAIRMAN MELIUS: It's in good shape
3 for third draft, actually.

4 MEMBER KOTELCHUCK: Yeah.

5 CHAIRMAN MELIUS: The -- and the
6 beginning and the end were added by -- by me. Those
7 are -- have not been seen before, so I guess I would
8 consider it to be first draft, though the outlines
9 of what's in those two parts has been discussed.
10 I believe I presented them at a board meeting, a
11 previous board meeting, I'm not exactly sure which
12 one, as a PowerPoint presentation, just going over
13 the basic content. When I asked for any additional
14 input from people, I really didn't hear any after
15 the -- after the meeting, so basically, it just
16 reiterates and elaborates a little bit on -- on the
17 points I made in the -- that -- that presentation.

18 I -- I think -- so what we're looking
19 to do with this is, one is I think it's mainly is
20 there content to either part of the report that
21 needs to be added or subtracted or whichever?

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1 Maybe there's three parts. One is the
2 introduction, second is the basic content that the
3 Dose Reconstruction Review Committee has put
4 together, and third is the conclusions and the
5 recommendations that -- that I added based on our
6 discussion. So are there any changes in content
7 that we need there?

8 And then the plan, and I think -- I don't
9 know if I put it in the email, was to make any sort
10 of content changes, clean up the -- the report in
11 terms of language and formatting and so forth, and
12 then circulate it to the full board along with a
13 draft of a letter to the Secretary that we would
14 -- for hopefully a couple weeks, a week or two
15 before the -- our August meeting.

16 So with that, I guess I would be looking
17 for any comments or questions. Again, I -- and
18 again, focusing more on content. I think if you
19 have sort of grammatical or spellings or formatting
20 issues, if you want to email those to me, it would
21 probably be easiest rather than trying to go

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1 through line-by-line or paragraph-by-paragraph,
2 so I will open it up for any comments or questions.

3 MEMBER ZIEMER: All right. This is
4 Ziemer. I have several comments, if I might.
5 Just to kick this off. Number one, I -- I am looking
6 for what I might call conclusions relating to the
7 scientific reliability of the approach. This
8 continues to be one of the charges on the dose
9 reconstruction component to the Secretary, and I
10 think we need statements to that effect in the
11 original one. I'm wondering if we don't need to
12 have something along those lines.

13 This looks more like the review of the
14 quality of reproducing things and the -- which is
15 part of the scientific validity, of course, but I
16 was looking for something more explicit on
17 reconfirming our stance that we believe the dose
18 reconstruction process is a scientifically valid
19 procedure, or something to that effect, and I think
20 we'd have to tie it in with the words in the original
21 legislation that -- that charge the board with that

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1 responsibility.

2 CHAIRMAN MELIUS: Paul, I'd actually
3 -- I think that's a good point. I think it would
4 -- and I think it also, it ties into the -- the
5 -- also into the paragraph preceding the
6 conclusions, which is entitled "Other Important
7 Review Activities" --

8 MEMBER ZIEMER: Right.

9 CHAIRMAN MELIUS: -- because I mean a
10 lot of our issues on scientific, you know, validity
11 really are as much covered in those other
12 activities --

13 MEMBER ZIEMER: Oh, I -- I agree with
14 that, that actually, this whole process is intended
15 to validate that, but I was hoping we would have
16 a fairly explicit sentence or two that tied in with
17 the words in the legislation so it would sort of
18 reconfirm that. I don't know that we have to solve
19 that now, but that was an observation.

20 Let me just give you one or two others.
21 The next one -- and this is not on the content of

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1 this, I think this report is a good report -- we
2 plan to have an executive summary, a one-pager that
3 typically is really what the Secretary is going to
4 end up saying.

5 CHAIRMAN MELIUS: And that would be the
6 cover letter to the Secretary.

7 MEMBER ZIEMER: Oh, that would be the
8 cover letter --

9 CHAIRMAN MELIUS: Yeah.

10 MEMBER ZIEMER: -- okay.

11 CHAIRMAN MELIUS: That --

12 MEMBER ZIEMER: Okay. And then, let's
13 see, the -- the last -- this is more of a question
14 at this point. The last recommendation,
15 Recommendation 4, it talks about claims where the
16 individual judgment issue --

17 CHAIRMAN MELIUS: Yes.

18 MEMBER ZIEMER: -- and I'm -- I want to
19 ask the question, are there claims where there's
20 no judgment needed? Are there claims that are so
21 automatic that it's just plug and chug, and the dose

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1 reconstruction has no judgment issues? I guess I
2 should ask Jim that, Jim Neton.

3 DR. NETON: Well --

4 MEMBER ZIEMER: Because it looks like
5 this statement talks about focusing on claims where
6 individual judgment is required, and I'm saying,
7 wait a minute, isn't it required on virtually every
8 one?

9 DR. NETON: Well this is Jim.
10 Virtually every one, but there are some AWE sites
11 that have templates, essentially, that are
12 followed for all cases. Bethlehem Steel comes to
13 mind. I mean, that is a very prescriptive
14 methodology that really doesn't rely on much
15 judgment.

16 MEMBER ZIEMER: Well, you said not
17 much.

18 DR. NETON: Well --

19 MEMBER ZIEMER: Is --

20 DR. NETON: Yeah, it's hard to say.
21 There's always some level of interpretation, I

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1 guess. I don't know.

2 MEMBER ZIEMER: Well, just -- just an
3 issue of maybe that just has to be sharpened up a
4 little bit in terms of the -- the idea that -- it
5 implies that there are some cases where there's
6 just absolutely no judgment needed, and I -- I kind
7 of assume that even in those templates, there's
8 certain areas where judgments have to be made, but
9 maybe not.

10 CHAIRMAN MELIUS: Yeah, this is Jim.
11 I agree. It was the last sentence I wrote, and so
12 it's probably -- the last section, so I probably
13 was running out of steam and trying to get it out
14 to everybody to look --

15 MEMBER ZIEMER: Yeah, well maybe it's
16 just a matter of sharpening up a few words in there
17 that would --

18 CHAIRMAN MELIUS: Yeah.

19 MEMBER ZIEMER: -- I would say that
20 those for which very little judgment is needed or
21 something. And I don't know, just an idea.

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1 CHAIRMAN MELIUS: Yeah.

2 MEMBER ZIEMER: Okay --

3 CHAIRMAN MELIUS: No, I --

4 MEMBER ZIEMER: -- I think those are
5 the two main points I wanted to raise at this point.

6 CHAIRMAN MELIUS: Well, I think those
7 were both good ideas, so thanks, Paul.

8 Other comments, questions from people,
9 Board Members?

10 MEMBER BEACH: Jim, this is Josie. I
11 didn't have anything more to add.

12 CHAIRMAN MELIUS: Anyone else?

13 MEMBER KOTELCHUCK: Dave. I had a
14 number of changes that were mine, many of which are
15 editorial, such as the audit process, you don't
16 actually call it an audit process on page 2 on
17 review procedures.

18 But first, overall, I thought it was
19 good, and I basically -- I mean, I think it will
20 be -- we have to do a little bit of work on it, but
21 -- and it's inexact in a few places in ways I tried

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1 to -- and I'll send you my changes. The -- the
2 conclusions, the first conclusion on page, what,
3 page --

4 CHAIRMAN MELIUS: 14?

5 MEMBER KOTELCHUCK: -- 14, let me go to
6 that if I may on my -- one second, 14.

7 (Pause.)

8 MEMBER KOTELCHUCK: I thought the --
9 the description of Special Exposure Cohort was
10 inexact in a way, and we don't -- we don't talk about
11 the 22 designated cancers in the Special Exposure
12 Cohort for eligibility for compensation, to
13 mention the fact that there are 22 designated
14 cancers. But -- but I also -- I thought the
15 paragraph, the second paragraph of 1, Other
16 Important Review Activities for the Board, I would
17 suggest that you take the last sentence and put it
18 up first so that -- second, so that other review
19 activities have a large and direct, the board's
20 initial review relies on procures and information
21 in place at the time dose reconstruction was done,

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1 and then we talk about the rest of the paragraph.

2 So it -- it -- that one needed, it seemed
3 to me, some -- some work. I am sorry. I am going
4 -- this is before the first conclusion. You'll
5 pardon me.

6 The first conclusion on -- well, the
7 first conclusion, the board's review of 232
8 individual dose, I feel that these findings
9 indicate that dose reconstruction has improved
10 compared to earlier findings. Now, in fact, as you
11 -- as noted in the text, we had only 3 percent of
12 the -- 3 percent of the findings had potentially
13 significant impact for the first 100 cases, and we
14 have 4 percent now, so I think one has to qualify
15 some about these findings indicate that the process
16 has improved, and I think I would suggest some kind
17 of a sentence after the first sentence, only 4
18 percent had a significant impact.

19 I would have put something like, and I
20 have it written down and I'll send it to you: Given
21 that 83 percent of these reviews are best estimates

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1 with Probabilities of Causation typically between
2 45 and 52 percent, compared to only 7 percent of
3 best estimates on the first 100 cases reviewed,
4 given that, these findings indicate that the
5 process has improved. But formally speaking, the
6 process, if anything, we have to qualify it, or else
7 we had 3 percent before, and now we have 4 percent,
8 and we've got to say something.

9 The text that we're talking about from
10 the -- the Subcommittee, that -- that's fine and
11 says what needs to be said. So I think some
12 qualification needs to be in there because it's not
13 obvious from what was above that this is an
14 improvement, and we have to qualify why it's an
15 improvement. I don't know how you feel about that.

16 CHAIRMAN MELIUS: No, that can be
17 qualified. On the previous comment on other board
18 review activities, I would disagree. I mean, I
19 don't know we need to sort of recreate the entire
20 technical procedures involved and regulations
21 involved in all that we do, you know, describe what,

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1 you know, the various types of documents and so
2 forth, and adding 22, I just don't think it -- you
3 know, it's not the focus of the report, and
4 actually, in the section I wrote on, you know, the
5 procedures, I tried to, you know, dumb it down to
6 some extent because I think our -- the actual report
7 is -- is sort of a little bit too much inside
8 baseball. I mean, it is hard to --

9 MEMBER KOTELCHUCK: Yes.

10 CHAIRMAN MELIUS: -- understand unless
11 you're part of the process. And it's the nature
12 of the process, I'm not --

13 MEMBER KOTELCHUCK: Right, right.

14 CHAIRMAN MELIUS: If you're, you know,
15 sort of justifying the -- describing what the
16 findings are, you have to be fairly technical and
17 go through -- use the jargon that we use in the
18 program, so I was trying to get away from that a
19 little bit, but --

20 MEMBER KOTELCHUCK: Well, you may -- I
21 mean, you may be right, and I see your point. But

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1 let me -- I'll send you what I have. I think I've
2 added it in such a way that it doesn't -- isn't
3 inside baseball, but let's -- but let's see.

4 CHAIRMAN MELIUS: Yes.

5 MEMBER KOTELCHUCK: Okay. But I do
6 think the qualification on the first conclusion,
7 there needs to -- I believe there needs to be some
8 qualification.

9 CHAIRMAN MELIUS: Yes, I agree.

10 MEMBER KOTELCHUCK: Okay. And I -- and
11 overall, the recommendations, I -- I felt it was
12 thin, and I don't know how to -- I mean, they're
13 one sentence. It's these are all -- it says that
14 we should continue the 1 percent, we should modify
15 the review process, but it doesn't say how we intend
16 to do that, and we haven't decided to do that yet.
17 There are some proposals on, you know, on the table
18 by SC&A.

19 But -- but overall, it just seems, as
20 I say, the sort of one sentence doesn't say what
21 we're going to do, and maybe, again, maybe it's too

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1 much inside baseball.

2 CHAIRMAN MELIUS: Well I also don't
3 think we're -- we've, you know, elaborated on what
4 we're going to do enough to say -- say much more
5 that we could all agree on.

6 MEMBER KOTELCHUCK: Right, and the
7 question is whether we need to.

8 MEMBER ZIEMER: Well, if the board
9 agrees on some specifics, we could flesh that out.
10 I think this is a good framework to build on as a
11 start, at least.

12 CHAIRMAN MELIUS: Yeah.

13 MEMBER ZIEMER: Those would be the four
14 points. We can flesh them out if we have specifics
15 that we're ready to bring forward.

16 MEMBER KOTELCHUCK: It would be nice if
17 we could --

18 MEMBER ZIEMER: Yeah.

19 MEMBER KOTELCHUCK: -- I'll put it that
20 way. So those are my comments, other than

21 --

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1 CHAIRMAN MELIUS: Okay.

2 MEMBER KOTELCHUCK: -- mere editorial.

3 CHAIRMAN MELIUS: Thank you, Dave.

4 MEMBER KOTELCHUCK: Yes.

5 CHAIRMAN MELIUS: Okay. Anything
6 else come to mind from anybody?

7 MEMBER ZIEMER: I just -- Ziemer again.
8 I just want to mention one thing. This is in the
9 body of the report, and it's not a big deal, and
10 it may almost fall into an editorial thing, but in
11 that section where you talk -- it's called
12 Distribution of Dose Reconstruction Sites Along
13 the Employment Sites, pages 9 and 10, and it is
14 pointed out that the 1 percent applies overall, not
15 to individual sites. And that's correct. And
16 then there's a handwritten sentence at the top of
17 10 that talks about a site goal of 1 percent. And
18 I guess it's sort of editorial, but I don't think
19 we -- I don't think we have site goals.

20 MEMBER KOTELCHUCK: No, we don't, and
21 I'm not quite sure -- I don't quite see that --

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1 MEMBER ZIEMER: It's the very first
2 sentence on page 10. "The board has accomplished
3 its goal of 1 percent for that site."

4 MEMBER KOTELCHUCK: Oh, oh oh oh --

5 MEMBER ZIEMER: And so that -- that
6 sort of thing -- I think it's fine because the draft
7 does show how the sites compare to the 1 percent,
8 and that's fine, but we --

9 MEMBER KOTELCHUCK: Right.

10 MEMBER ZIEMER: -- we shouldn't be
11 talking about the goal for the site. It isn't --

12 MEMBER KOTELCHUCK: Right.

13 MEMBER ZIEMER: -- 1 percent. So --

14 MEMBER KOTELCHUCK: And that --

15 MEMBER ZIEMER: That's in the main
16 body, so I just raise that. It seems to me we need
17 to remove -- just say that the board has -- knows
18 that we've approached, or have exceeded, 1 percent
19 for that particular site, but not talk about it as
20 a site goal because it isn't a site goal.

21 MEMBER KOTELCHUCK: Yes, correct,

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1 okay, good. And I certainly said what you just
2 said in another spot overall, but --

3 MEMBER ZIEMER: Oh, yeah, that's
4 right, it's mentioned, it's mentioned before that
5 there aren't site goals, and that's why I'm saying
6 so let's not call that a site goal. That was the
7 point.

8 MEMBER KOTELCHUCK: Yeah, I'll change
9 that, I'll change --

10 MEMBER ZIEMER: Yeah.

11 MEMBER KOTELCHUCK: -- that, and I'll
12 send that in to you, Jim.

13 CHAIRMAN MELIUS: Okay, thanks.

14 MEMBER ZIEMER: And Jim, if you want,
15 I have a lot of editorial things which by the way
16 don't include any dangling participles, but -- but
17 --

18 CHAIRMAN MELIUS: I --

19 MEMBER ZIEMER: -- we should just send
20 you those, I guess.

21 CHAIRMAN MELIUS: Yeah, that would be

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1 easiest, I think, and then I will -- I will combine
2 them and so forth into a final draft we can
3 circulate to the board, and we can hopefully get
4 comments, again, for the -- the -- from every --
5 from obviously those of us on the phone now as well
6 as the full board at the next meeting, the August
7 meeting, for that.

8 What -- where we are in terms of I guess
9 fleshing out the -- the recommendations, I'm not
10 sure we -- all of this needs to go in our report,
11 but I think we need, you know, concurrence from the
12 full board on doing those, so to the extent we can
13 describe some of them in -- in the -- our August
14 meeting, Dave, I am not sure -- I know you --
15 obviously, you're continuing the blind reviews --

16 MEMBER KOTELCHUCK: Right.

17 CHAIRMAN MELIUS: -- to that. I think
18 you're still catching up with the resolution
19 process --

20 MEMBER KOTELCHUCK: Right.

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1 **Review Methods for Further Reviews**

2 CHAIRMAN MELIUS: -- on the -- sort of
3 the -- the basic reviews. I don't know if there
4 has been further discussion on the sort of doing
5 more -- more -- a more efficient review process.
6 My understanding is it has become more efficient
7 under your direction or --

8 MEMBER KOTELCHUCK: Right.

9 CHAIRMAN MELIUS: -- what --

10 MEMBER KOTELCHUCK: Well, we have been
11 moving along. Let's just --

12 CHAIRMAN MELIUS: Moving along --

13 MEMBER KOTELCHUCK: -- say that --

14 CHAIRMAN MELIUS: -- yeah --

15 MEMBER KOTELCHUCK: Yes, we've been
16 moving along rapidly, and that has been very good.
17 We -- no, I would say this, though. The
18 Subcommittee has approved an SC&A -- SC&A -- a
19 modified SC&A recommendation. They made a
20 recommendation, we made suggested changes, they
21 made those changes, and the Subcommittee has

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1 reviewed and approved and asked it to be sent to
2 the board, but we have not had a board meeting where
3 we have discussed that. It hasn't been on the
4 agenda. It could -- could well be on the agenda
5 for the Idaho Falls meeting.

6 CHAIRMAN MELIUS: Okay --

7 MEMBER KOTELCHUCK: I didn't know
8 whether you were going to incorporate anything
9 about that in this report, so I didn't tell Ted and
10 you that I would like it on the agenda, but
11 --

12 CHAIRMAN MELIUS: Well, it is on the
13 agenda.

14 MEMBER KOTELCHUCK: Yeah, okay.

15 CHAIRMAN MELIUS: Since we're
16 discussing this report, I think --

17 MEMBER KOTELCHUCK: That is fine.
18 Okay, great.

19 CHAIRMAN MELIUS: We can discuss that,
20 and then we have some, from various sources, you
21 know, these sort of consistency reviews, or

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1 whatever we want to call them, the more focused
2 reviews, we can present some of those ideas. I
3 don't think we'll -- it will be some time before
4 we're ready to completely flesh that out, but at
5 least we can start discussion, and I will take the
6 responsibility for preparing those for the -- for
7 the board meeting --

8 MEMBER KOTELCHUCK: Okay.

9 CHAIRMAN MELIUS: -- to that end, so
10 that we can use that time while we're all together
11 and then decide what -- what needs to go into the
12 -- you know, what's ready to go into our report as
13 we're trying to finalize it, that.

14 MEMBER KOTELCHUCK: Okay.

15 CHAIRMAN MELIUS: I remember from our
16 first report, the finalization took some time, so
17 it may be optimistic that we'll complete it in the
18 August meeting, but I think we should be --
19 hopefully we'll be close and can wrap it up pretty
20 quickly after that, so --

21 MEMBER KOTELCHUCK: Yeah, hopefully.

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1 CHAIRMAN MELIUS: Yeah, do that. And
2 I -- I think it -- I'd like to get this group
3 together, it would obviously be after the August
4 meeting, particularly to talk about the -- the
5 outcome, the focus reviews, because I think we do
6 need to flesh those out, figure out how to make
7 those sort of operational, and those are going to
8 be I think a little bit more difficult to put in
9 place, so we're going to have to spend some time
10 with that. We need to be talking with, you know,
11 NIOSH about that process.

12 MEMBER KOTELCHUCK: Okay.

13 CHAIRMAN MELIUS: Yeah. Any other
14 questions or comments?

15 If not, I think we can -- can wrap up.
16 Ted, you have any -- any additional information on
17 Idaho Falls meeting we should know about?

18 MR. KATZ: No, I have no new news there.
19 We're still a little bit up in the air on just a
20 couple of agenda items, but -- but we should be
21 settling those in the next week or two, and that's

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1 mostly related to Santa Susana and whether Santa
2 Susana stays in or not, and if Santa Susana goes
3 out, then we organize things one way, if it stays
4 in, another way, but that -- that mostly just
5 impacts the -- the procedure, whether we discuss
6 other procedure reviews or not, or have time for
7 that.

8 CHAIRMAN MELIUS: Yes.

9 MR. KATZ: So yeah, that's it.

10 MEMBER KOTELCHUCK: I might -- if I
11 may, just a small editorial, but it's an important
12 editorial change. On -- if I may, on page 1, on
13 Introduction, the fourth line from the bottom of
14 the section on Introduction, it says "review of an
15 additional 234 individual cases," and it's 232.
16 And 232 is used throughout the report, so it's --
17 it's editorial, but I just want to make sure that,
18 it's a small one, but certainly we don't want the
19 wrong number right in the first intro.

20 MEMBER ZIEMER: 232 on the --

21 MEMBER KOTELCHUCK: 232 --

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1 MEMBER ZIEMER: -- fourth line?

2 MEMBER KOTELCHUCK: -- that --

3 MEMBER ZIEMER: Oh, I see it.

4 MEMBER KOTELCHUCK: -- is the fourth
5 line from the bottom --

6 MEMBER ZIEMER: I got you --

7 MEMBER KOTELCHUCK: -- on the
8 Introduction.

9 MEMBER ZIEMER: Right.

10 MEMBER KOTELCHUCK: What happened was
11 there are 234 cases in those sets, but two cases
12 were not considered because we're waiting for
13 additional material from the Work Group, so they
14 were not reviewed. 232 were.

15 CHAIRMAN MELIUS: I think I was working
16 off an older draft.

17 MEMBER KOTELCHUCK: Yeah, and we went
18 back and forth, and it took a while before -- so
19 that we didn't get 232, 234, and the earlier drafts,
20 and Josie will remember, in the earlier drafts, we
21 tried to figure out how to move between the fact

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1 that there are 234 cases in those sets, but 232 out
2 of those were the ones that were reviewed, and the
3 others await review.

4 CHAIRMAN MELIUS: Okay.

5 MEMBER KOTELCHUCK: That's just
6 editorial, but I want to make sure it's in, and I
7 certainly will have it in what I send you.

8 CHAIRMAN MELIUS: Okay. Okay. Thank
9 you, and I think we can close, then.

10 MS. LIN: Oh, Dr. Melius --

11 CHAIRMAN MELIUS: Yes.

12 MS. LIN: -- this is Jenny. So I think
13 I just need a little bit of instruction from you
14 in terms of how you want me to conduct the legal
15 review for this report, and we can have an off-line
16 conversation about that too.

17 CHAIRMAN MELIUS: Okay.

18 MR. KATZ: Okay. Thank you,
19 everybody.

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1 **Adjourn**

2 MEMBER KOTELCHUCK: Very good, thank
3 you. See you tomorrow.

4 MR. KATZ: Yes, I'll see you tomorrow.

5 MEMBER KOTELCHUCK: Right. Bye.

6 (Whereupon, the meeting went off the
7 record at 9:31 a.m.)

8