

This transcript of the Advisory Board on Radiation and Worker Health Dose Reconstruction Review Methods 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 BNL Work Group for 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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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
JUNE 22, 2015

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The Subcommittee convened via teleconference at 10:00 a.m. Eastern Time, James M. Melius, Chairman, presiding.

PRESENT:

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

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ALSO PRESENT:

TED KATZ, Designated Federal Official
TERRIE BARRIE
BOB BARTON, SC&A
KATHY BEHLING, SC&A
RON BUCHANAN, SC&A
NICOLE BRIGGS, SC&A
GRADY CALHOUN, DCAS
ROSE GOGLIOTTI, SC&A
JENNY LIN, HHS
ED MAHER, ORAU Team
JOHN MAURO, SC&A
BETH ROLFES, DCAS
SCOTT SIEBERT, ORAU Team
JOHN STIVER, SC&A

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

(10:01 a.m.)

MR. KATZ: Let's get started then.

This is the Advisory Board on Radiation and Worker Health. It is the Dose Reconstruction Review Methods Work Group. This is an initial meeting.

The agenda for the meeting is posted on the NIOSH website under the Board section scheduling meetings today or this month -- today's date. And there are no materials with that posted. Some of the materials -- the main materials are Privacy Act protected. There is another document we can get on, if someone is interested on the line afterwards, but I don't think it will be governing the discussion.

So, let me check and see that I have my chair and these Board Members on, the Board Members we expected. Let me just check and see for the NIOSH and ORAU teams. Who do we have on the line?

(Roll call.)

Okay, that should take care of it, then.

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1 And let me remind everyone, since there are quite
2 a lot of people on this line, to mute your phones,
3 except for when you are addressing the group. If
4 you don't have a mute button, press *6 to mute your
5 phones and then press *6 again to take yourself off
6 of mute and please don't put the phone on hold at
7 any point.

8 And Dr. Melius, Jim, it is your agenda.

9 CHAIRMAN MELIUS: Okay, thanks, Ted,
10 and good morning everybody. Actually, I think,
11 Josie you are up earlier, unless you are still on
12 the east coast.

13 MEMBER BEACH: No, no, I'm back home.

14 CHAIRMAN MELIUS: Good, okay.

15 MEMBER BEACH: Up early.

16 CHAIRMAN MELIUS: You are all up early.
17 Good. Well, we are glad we could get you up and
18 get you off to an early start.

19 MEMBER BEACH: Me, too.

20 CHAIRMAN MELIUS: A couple things on
21 this meeting. One is sort of view this as a sort

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1 of preliminary meeting, get some initial
2 discussion on thoughts and so forth from Board
3 Members what we need to do but also to identify any
4 additional needs for data or other information that
5 would help to shape what we would be recommending
6 to the Board for any changes to our dose
7 reconstruction review methods and approaches that
8 we might use going forward.

9 I just want to add to this that we all
10 know that reviewing dose reconstructions is a key
11 charge in the legislation made to the Advisory
12 Board but it is an important function and one that
13 we need to do and take very seriously and as part
14 of our efforts in overseeing this entire program.

15 We also, it is a little different from
16 some of our other Work Groups or Subcommittees.
17 So, number one, is we have a contractor involved
18 at SC&A and to a great extent, their work is
19 dependent on how we implement this, how we assign
20 those, and what recommendations come out from this
21 Work Group to our Board.

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1 So, I really don't think it is going to
2 be -- we are not looking for SC&A to tell us how
3 to do dose reconstruction reviews, given the
4 contractual situation and so forth. So, we may ask
5 them for some technical assistance, in terms of
6 what we are doing but I don't view this as something
7 where our contractor would be telling NIOSH and the
8 Board what methods should be used or what
9 approaches should be used.

10 And I think, to some extent, this also
11 applies to NIOSH. We have to keep some distance
12 or maybe more distance and independence than we
13 have become accustomed to in some of our other Work
14 Group activities.

15 So, sort of bear that in mind and I don't
16 think it will be a problem in terms of this Work
17 Group but I think we have to be cognizant of these
18 changes.

19 In preparing for this Work Group
20 meeting, we had a few documents that we sent around
21 to everybody. Two of them were documents that had

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1 been prepared by SC&A for a Board meeting. I think
2 a couple of Board meetings ago, just sort of
3 summarizing some of the information on the dose
4 reconstruction reviews that hadn't been done, that
5 hadn't been completed through the Subcommittee
6 process. So, those were sets 14 through 21, I
7 believe. A couple of those are blind reviews.
8 So, they are not really sort of the usual ones. But
9 there are a substantial number that have not gone
10 through the process yet.

11 And then there is another set, another
12 spreadsheet document that provided some other
13 descriptive information on all of the dose
14 reconstruction reviews that have been done to date.
15 Those are the ones that, for those of you that are
16 on the phone, may not be privy to them, are ones
17 that have the Privacy Act information to them.

18 The other documents that we sent around
19 are some information on the quality
20 assurance/quality control procedures used by ORAU
21 and those were used -- that was based on a document,

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1 an ORAU document I think from 2012 and I think those
2 reflects essentially current methods and so forth.

3 And then there was also the transcribed
4 notes from a Dose Reconstruction Review
5 Subcommittee meeting, where those were discussed
6 and provided a little bit more background on that.

7 I will note I actually had Ted hunting,
8 and I was looking also about it, at one point very
9 early on in the work of the Advisory Board, there
10 was actually a Work Group on QA/QC methods that,
11 as best we can tell, we are unable to find a report
12 from that Work Group and I don't believe there was
13 any transcribed meetings of that Work Group. It
14 was before we had gone to the method where all of
15 our Work Group meetings were public and
16 transcribed.

17 Dr. Ziemer, you and I both served on
18 that. Dr. Andrade was the chair of that. I
19 believe Wanda Munn was also part of that. I don't
20 know if you recall it at all, Paul, but --

21 MEMBER ZIEMER: Only vaguely and I

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1 think that I would have to go back into some of my
2 early notes to try to remember what we did.

3 If Tony was chair of that, that would
4 have been the first couple years because he was only
5 with us a year or two, a couple of years.

6 CHAIRMAN MELIUS: Yes, I found some
7 reference to it in the transcriptions of the actual
8 Board meetings but they are relatively short. And
9 as I recall that, I don't believe that the Work
10 Group issued a report. At that point, NIOSH was
11 working with ORAU to develop QA/QC methods for the
12 dose reconstructions. And so there really was
13 sort of no full plan to review. So, it was more
14 of a set of recommendations made to NIOSH in terms
15 of what kinds of programs should be implemented.

16 And my guess is that what was
17 implemented ended up being pretty close to what was
18 being recommended and discussed at that point in
19 time. But it was mostly interesting from sort of
20 a historical perspective.

21 I can remember the Work Group. I could

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1 not remember what we had actually done.

2 But I think the current ORAU documents
3 provides some background on that and so forth. And
4 then the other documents --

5 I guess my question to the other Board
6 Members, is there other information that would be
7 helpful in terms of deciding what to recommend in
8 terms of dose reconstruction reviews? Other
9 presentations on QA/QC or on other issues or other
10 -- in terms of what we had done.

11 MEMBER BEACH: Yes, Jim, this is Josie.
12 I, at this point, don't have anything.

13 MEMBER KOTELCHUCK: Dave Kotelchuck.
14 I would have been interested in some of the earlier
15 sets, knowing what those categories -- where there
16 were findings. They were categorized by A through
17 F. I have seen them and we started discussing them
18 intensely, as we ended Set 13 and started Set 14.

19 But I have always wondered if there is
20 a summary of what was found or what was done in 10
21 through 13. It seemed to me I wasn't aware of their

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1 importance, as a new chair. So, Doug and other
2 people were keeping track of that but I have never
3 seen any summary of it or any report on that. I
4 am curious if there was one or if that data is
5 available.

6 MEMBER ZIEMER: I can give you a
7 partial answer. This is Paul Ziemer. You know,
8 the initial report to the Secretary on the first
9 dose reconstruction I think summarized the numbers
10 of findings and related data. How much detail
11 there was, in terms of by data sets or whatever,
12 but I think probably it would be worth just pulling
13 that summary, which was in the form of a letter to
14 the Secretary and maybe some attachments.

15 MEMBER KOTELCHUCK: I did take a look
16 at that and that was interesting but that ends at
17 the end of nine, I believe.

18 MEMBER ZIEMER: Right.

19 MEMBER KOTELCHUCK: But 10 through 13
20 that I have been involved with mostly on the DR
21 Subcommittee, I don't know of any summary of that.

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1 Maybe the SC&A folks might know about that.

2 MR. KATZ: This is Ted, Dave. I think
3 the issue is that they haven't been tasked yet with
4 producing that summary.

5 MEMBER KOTELCHUCK: I see. I see.

6 MR. KATZ: That is part of what the
7 Subcommittee would do in preparing for a report to
8 the Secretary.

9 MEMBER KOTELCHUCK: Okay, good. That
10 is clarifying.

11 Was this A through C categorization,
12 when was it initiated? Was it initiated formally
13 in that first report of the first 100 cases that
14 Paul is referring to?

15 MR. KATZ: The categories for sort of
16 characterizing the findings, that dates back -- I
17 mean it may have been tweaked at some point. I sort
18 of think it has been. But generally, it was
19 created way back before that first report, I mean
20 when we started tracking all these findings.

21 MEMBER KOTELCHUCK: Okay, so that

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1 means -- fine. So, the report that Paul is
2 referring to, those were the same categories that
3 we are talking about now.

4 MR. KATZ: I think approximately.

5 MEMBER KOTELCHUCK: Yes.

6 MR. KATZ: But there may have been some
7 tweaking at some point. It seems like I remember
8 that there might have been but, generally, they are
9 the same.

10 MEMBER KOTELCHUCK: Okay, good.
11 Thanks.

12 MEMBER ZIEMER: Pretty much the same as
13 we have been.

14 MEMBER KOTELCHUCK: Good.

15 CHAIRMAN MELIUS: Yes, I think those,
16 as I recall from hearing those reconstruction
17 Subcommittee reports and so forth, I don't think
18 those have changed a great deal. What sort of
19 varied more has been the selection of cases for
20 review over time.

21 MEMBER KOTELCHUCK: Oh, okay.

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1 CHAIRMAN MELIUS: And I think how that
2 selection has --

3 MEMBER KOTELCHUCK: Right. I would
4 say that your chair was not aware of the importance
5 of them. I mean it was recorded but I certainly
6 did not pay close attention to them until we got
7 near the end of 13 and I just counted on SC&A folks
8 putting it down.

9 Okay.

10 CHAIRMAN MELIUS: I mean I think it is
11 a fair question as to whether going forward that
12 classification has the venues full and does it need
13 to be tweaked or changed.

14 MEMBER KOTELCHUCK: Right. And I
15 think there has been some discussion in the
16 Subcommittee about that.

17 CHAIRMAN MELIUS: Yes. Well, I think
18 that is something that this Work Group may want to
19 look into also.

20 MEMBER KOTELCHUCK: Yes.

21 CHAIRMAN MELIUS: I mean, I think if we

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1 sort of look at broader ways, we have done these
2 individual dose reconstruction reviews and that
3 has been the main, as we started to say, the main
4 focus, which is to take a sample and review simply
5 how the methodologies, the procedures, and so forth
6 have been applied in that particular case and are
7 there issues or problems found in terms of how that
8 is done and to what extent do those issues or
9 problems change or potentially change the
10 Probability of Causation that would be calculated
11 for that case.

12 MEMBER KOTELCHUCK: Right.

13 CHAIRMAN MELIUS: And that has been --
14 the focus has been a lesser focus on the so-called
15 blind reviews. So, I think we are starting to
16 catch up on those. And then --

17 MEMBER KOTELCHUCK: We are certainly
18 trying to catch up.

19 CHAIRMAN MELIUS: Yes. So, there is
20 question when do we -- what is the right mix between
21 different approaches, as well as do we need to

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1 change the specific approaches that we are using?
2 And are there additional things that we should be
3 looking at in some manner as part of that?

4 And I think underlying all of that, is
5 there some efficiencies to the process that would
6 allow for more, a larger sample, in effect, to be
7 looked at but maybe with less intense scrutiny or
8 involvement of the Board or whatever. There are
9 some different approaches. Does the Board have to
10 be part of the resolution process or does time need
11 to be spent resolving every specific finding or
12 non-finding on that? Lots of different possible
13 mixes of approaches and so forth that could be used.

14 MEMBER ZIEMER: I think those are good
15 questions. I'm noticing, and I am going to be
16 fighting feedback most of the day, but over the past
17 number of sets, and I guess I am looking now at the
18 spreadsheet for 14 through 21, a lot of cases where
19 there were no findings, I have not, myself, looked
20 to see if there is something common about what we
21 are finding in cases but we are finding certain

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1 types of cases where we never see any findings. If
2 there is a pattern there, it seems to me it would
3 make sense to minimize the number of cases of that
4 type that we look at and focus on the type of cases
5 where seem to be getting more findings. I don't
6 know if SC&A has ever tried to analyze that or
7 already have a feel for that but it seems to me that
8 some efficiencies could be, maybe not
9 efficiencies, but some value could be achieved by
10 focusing on the kind of cases where we tend to see
11 findings.

12 MEMBER KOTELCHUCK: Uh-huh.

13 MEMBER ZIEMER: I mean these numbers
14 have changed with no findings -- are we seeing more
15 and more of those? Does that reach up better
16 quality control at the front end of the process like
17 ORAU and NIOSH? I don't know the answer to that.

18 MEMBER KOTELCHUCK: It does look that
19 way. The earlier, the first reports, had more
20 findings than there were cases. There was at least
21 more than one plus findings per case.

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1 MEMBER ZIEMER: Yes, right.

2 MEMBER KOTELCHUCK: And here we are
3 talking about 29 findings among 116 cases.

4 MEMBER ZIEMER: Right, exactly.

5 MEMBER KOTELCHUCK: That's pretty
6 good.

7 MEMBER ZIEMER: Yes but are those cases
8 without findings, and there are a lot of them, are
9 they a certain type of case? You know are they
10 locations lines, a certain type of location in a
11 facility? You know what I am saying.

12 MEMBER KOTELCHUCK: Well, I certainly
13 do not know. It does seem to me that there were
14 fewer findings per case, even than we did with 10
15 through 13, which we just completed.

16 So, I'm not sure. I would certainly
17 think it is important to keep, for us and the
18 Subcommittee to try to keep track of that in our
19 minds and try to see if we can characterize it but,
20 for the moment, I would say we have not discussed
21 as a Subcommittee anything like that or that

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1 specific issue, I should say.

2 CHAIRMAN MELIUS: Yes, no I think the
3 question may be that there are fewer findings now
4 because the program is more mature. There is
5 better documentation of the methods. And,
6 therefore, it is easier for the dose reconstructors
7 to do the dose reconstructions in a way that are
8 well-documented and then therefore for SC&A to
9 confirm that the methodology has been
10 appropriately applied. I mean I think it is good.

11 But it is something I think you would
12 expect from that. I think it would be, if the other
13 Board Members agree, I think we can ask SC&A to
14 characterize the cases with no findings, compared
15 to those with findings. Then, see if there is any
16 other pattern to that.

17 MEMBER KOTELCHUCK: I think that would
18 be useful.

19 CHAIRMAN MELIUS: Paul, do you, and
20 Josie?

21 MEMBER BEACH: Yes, I agree with that

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1 also.

2 MEMBER ZIEMER: Well, that was the
3 point I was making. I wasn't sure whether SC&A
4 already sort of knows the answer to that or whether
5 they would have to actually do the analysis.

6 CHAIRMAN MELIUS: Well, if they know,
7 they are not telling.

8 MEMBER ZIEMER: Yes.

9 MS. BEHLING: Excuse me, this is Kathy
10 Behling. As far as I know, we have never looked
11 into analyzing which cases have no findings and why
12 that might be. So, that would have to be something
13 we are tasked to do. As far as I know, we have not
14 done that in the past.

15 MR. STIVER: This is John. Kathy is
16 right, we haven't actually looked into that aspect
17 yet.

18 MEMBER ZIEMER: It is quite possible
19 that there isn't a pattern, that it is just a
20 reflection of what the majority of the process, the
21 development of quality control all along the lines.

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1 CHAIRMAN MELIUS: And that may
2 actually show up in the analysis in the sense that
3 for sites that have been better developed or the
4 methods have been better developed, there will be
5 fewer findings than for those that are less
6 developed, so to speak. There may be more.

7 MEMBER ZIEMER: If that was the case,
8 I would certainly be more comfortable in the Board
9 saying okay, the system is working better. We can
10 reduce the number of cases -- well, we had a goal,
11 I think originally. Remind me, was it two and a
12 half percent?

13 CHAIRMAN MELIUS: Something like that,
14 yes.

15 MEMBER BEACH: That's correct.

16 MEMBER ZIEMER: Which we would have had
17 a hard time reaching but if we needed to reduce that
18 to something realistically a little lower, to maybe
19 two percent or one and a half, I think we would be
20 more comfortable doing it if we have confidence
21 that the system, indeed, is working better.

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1 MEMBER KOTELCHUCK: Yes, I will say
2 that if SC&A is tasked to look at this and they find
3 there is a pattern, if we are talking about saving
4 time, either from SC&A and from NIOSH and from the
5 Subcommittee, it would have to be an unusual
6 finding to tell us don't bother with that case.
7 Right? If we don't spend time in Subcommittee --
8 we don't spend much time in Subcommittee when there
9 is no findings. Right? I mean it just goes very
10 quickly and we are happy with that. But if we find
11 that there is a pattern, the only way we will save
12 time is if the pattern suggests to us a priori when
13 we are selecting cases to review that we shouldn't
14 even bother with that, which would seem like an
15 unusually strong finding.

16 MR. CALHOUN: This is Grady. Aren't
17 you actually talking about reducing the overall
18 number that you start with, rather than eliminating
19 some of those that you pick initially?

20 MEMBER KOTELCHUCK: Well, we could do
21 that, although I should say we are only reviewing

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1 this 10 through 13. I did take a look at it. We
2 are only reviewing one percent of cases in the first
3 report that was put out in 2010, they said oh, we
4 are trying to do two and a half percent and we are
5 nowhere near it and we have to recognize that and
6 decide if there is something that we should either
7 do more.

8 So, I don't think we are talking about
9 doing fewer. We could, though. I mean we could
10 say that. We don't have the less than one percent
11 reviewed.

12 MEMBER ZIEMER: We are already well
13 below two and a half percent.

14 MEMBER KOTELCHUCK: We are at one
15 percent and we took an awfully long time for 10
16 through 13. And I don't know because I haven't
17 been on the Board long enough to know if we are
18 really slowed down badly because we are not
19 efficient as a Subcommittee. I hope that is not
20 true. I think we are trying to be very efficient.

21 MS. BEHLING: This is Kathy Behling.

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1 If you don't mind if I could just interject
2 something. And probably everybody already
3 remembers this is just to remind to everyone. When
4 we put out the first hundred cases, that was back
5 at a time where NIOSH was trying to work on cases
6 that were a little bit easier, I guess, that it was
7 pretty obvious as to what maybe the outcome was
8 going to be. And they used, as you are fully aware
9 of, the either maximizing approach where you try
10 to really give them everything that you could
11 regarding doses or a minimizing approach saying we
12 don't even need to calculate all the doses because
13 we already realize that this case will be
14 compensated.

15 And so actually, when we put out our
16 first report to the secretary, there were only
17 eight, I think less -- or about eight percent of
18 the cases that were best estimates.

19 Now, with this next set that we have
20 been working on, these are now the best estimate
21 cases and that is what we have been focusing on.

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1 And I think one of the other things that we have
2 to realize is as Jim Melius is saying, the process
3 has had to get more mature and more sophisticated.
4 The work books are very prescriptive. The
5 procedures are much more prescriptive, in order for
6 us to maintain consistency as best we can. So,
7 perhaps that is why we are seeing fewer type of --
8 fewer findings and probably that is more of a
9 quality assurance type of findings that we are
10 having.

11 But just to refresh everyone's memory
12 as to what the first hundred cases represent as
13 compared to what these next hundred cases are going
14 to represent, a different group.

15 MEMBER KOTELCHUCK: Yes, and it was an
16 important finding of those first hundred cases that
17 we should do fewer over estimates and we should do
18 more full findings. And that is what we have been
19 doing.

20 I mean we are following the conclusions
21 from our first report.

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1 MS. BEHLING: This is Kathy Behling
2 again. I hope I am not overstepping my bounds
3 here.

4 But also, one of the things that always
5 strikes me also and perhaps I haven't looked at the
6 details of this but the only other suggestion I
7 would make with regard to selecting cases is to
8 select cases from sites that perhaps don't have a
9 real formal protocols, such as initially like one
10 of the examples was this Allied Chemical and Dye
11 that did a blind on. We came up with different
12 approaches because there was, for that particular
13 AWE site, not real clear protocols or technical
14 documents that were available. And so I would also
15 suggest that we look at cases from sites where you
16 may not have as much detail with regard to how the
17 dose reconstructor approaches doing a dose
18 reconstruction for that particular site.

19 CHAIRMAN MELIUS: I would actually --
20 this is Jim Melius. I would actually argue against
21 that in the sense that those sites may be more

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1 appropriate for a blind review.

2 MS. BEHLING: That is a very good
3 point. Yes, I agree.

4 CHAIRMAN MELIUS: Because there aren't
5 -- and the lack of sort of the documentation, it
6 may be better to then essentially combine sort of
7 the Site Profile review and the actual dose
8 reconstruction review.

9 MS. BEHLING: Exactly. As I said, the
10 Allied Chemical and Dye was a perfect example.

11 CHAIRMAN MELIUS: Yes. I think that
12 the other thing to remember in all of this is that
13 as the program -- you know as time has gone by, when
14 there have been a lot of sort of Site Profile
15 findings, procedure findings that have changed
16 methodology and, obviously, Special Exposure
17 Cohort findings that have changed methodologies
18 used, and all those have been going on at sort of
19 different speeds for different sites, with
20 different outcomes.

21 It may be the luck of the draw but it

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1 seems that every time I end up doing my selected
2 cases for dose reconstruction reviews, there
3 always seem to be one or two SEC cases among those.
4 That is sort of the time lag and what is going on
5 in particular sites and so forth.

6 But I think in sort of how we report to
7 the Secretary what the findings are, we have to keep
8 in mind that our findings on oversight of the dose
9 reconstruction also include all the procedure
10 reviews, Site Profile reviews and SEC evaluations
11 that the Board looks at. Because those, certainly
12 in the past, have had probably a bigger impact on
13 the program and on sort of dose reconstructions
14 than have the individual dose reconstruction
15 reviews.

16 Now, I think that is changing as sort
17 of everything matures and time goes by. And we
18 have had trouble sort of integrating all of those
19 in terms of understanding what is happening with
20 the program.

21 MEMBER ZIEMER: This is Ziemer. I

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1 have just a quick question. I assume that in terms
2 of today's meeting, we are just raising that as a
3 potential issue to be considered. We are not
4 making charter decisions today on yea or nay on how
5 to do that. Right?

6 CHAIRMAN MELIUS: Correct, yes. All
7 we are doing today is --

8 MEMBER ZIEMER: An issue to be
9 considered going forward.

10 CHAIRMAN MELIUS: Yes.

11 MEMBER ZIEMER: Right.

12 CHAIRMAN MELIUS: I want to come back
13 to the blind reviews for a second. I found the few
14 that have come through and the findings have been
15 interesting.

16 One thing that struck me about them is
17 that when there have been discrepancies and my
18 sample size is small, it is only a few cases, but
19 when there have been discrepancies between SC&A's
20 estimate and what NIOSH/ORAU found, it appears to
21 be often due to I will call them undocumented, that

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1 is probably too strong a word, undocumented
2 methodologies, methodologies that aren't clearly
3 documented in a way that, in terms of procedures
4 or have evolved in a way that the methodology is
5 ahead of the documentation. So, the dose
6 reconstructors may know about it but the Board and
7 SC&A may not be aware of those changes.

8 And I don't think that is necessarily
9 a criticism of what is being done. These are
10 complex sites, many different exposures that we
11 obviously don't want to hold up a dose
12 reconstruction while a particular procedure or
13 something gets documented. And some of these
14 methods are probably not important enough in the
15 bigger scheme of things, in terms of the number of
16 people affected that it requires all the
17 administrative and other effort that goes into
18 various kinds of tic-tac-toe documents are
19 produced.

20 But it does raise the question of
21 consistency in terms of how those are applied

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1 within the dose reconstruction effort that goes on.

2 I think that is the sort of consistency,
3 and the consistency comes up in other ways. It
4 comes up in terms of how interview information is
5 used in terms of doing dose reconstruction. It may
6 come up in terms of interpretation of work
7 histories and so forth for people that are
8 undergoing dose reconstruction. And I think that
9 is one area that we ought to think about. Are there
10 better approaches that could be used to evaluate
11 that and make sure that there is consistency?
12 Because I think that that is important for people
13 undergoing dose reconstruction, that they and
14 their fellow workers are treated -- would get the
15 same result.

16 And it is certainly something that we
17 repeatedly hear from in public meetings. In
18 public comment periods, people don't understand
19 why the person they worked with had a Probability
20 of Causation of X and they only got Y, even though
21 they worked side-by-side. And pretty often, that

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1 is due to the organ affected or other technical
2 issues but I do think the consistency is something
3 that our review methods ought to be looking at.
4 And I was curious about how other Board Members felt
5 about that.

6 MEMBER ZIEMER: Well, it sounds like
7 there is a lack of feelings on that.

8 I'm sitting here pondering it. I think
9 that makes sense. I don't think I can add to what
10 you said there.

11 MEMBER BEACH: Yes, I think I am silent
12 in the same respect, Jim. I agree with what you
13 have said. I can't add to it but agree that it is
14 important and consistency is an important part of
15 this.

16 MEMBER KOTELCHUCK: I agree also.
17 Dave.

18 There is one observation from the
19 earlier reports that I would be really curious
20 about. And that may even impact on the cases where
21 there are no findings.

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1 There was a recommendation that we take
2 a look at the findings and results for cases where
3 the information is basically provided after the
4 death of the person versus the person who is putting
5 the claim in, giving us the information.

6 And I have wondered whether, because I
7 assume that if the family puts information in, they
8 have no way of correcting the work records that we
9 find. And I would wonder whether an individual
10 reporting in his or her claim would actually be able
11 to say that no, no, those work records are incorrect
12 because I did this and this. And then one goes back
13 and checks them and hopefully finds --

14 Put it this way. It seems to be to be
15 an interesting question and may have a lot of
16 bearing or may have some bearing on the reliability
17 of or the consistency of our findings. I am
18 curious about it and I hadn't thought much about
19 that before, until, frankly, I reviewed the report
20 recently.

21 CHAIRMAN MELIUS: This is Jim. That

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1 issue has come up and we, in other ways, have always
2 been concerned about what happens, for example,
3 when the information with the interview
4 contradicts what is in the work records that are
5 being used or the exposure records that are being
6 used for dose reconstruction and it is problematic.

7 Particularly problematic are so-called
8 incidents and how those are recorded and often not
9 recorded and very difficult. I think that is one
10 of the sort of consistency issues is how is that
11 type of information interpreted.

12 The example you used, the deceased
13 claimant, what is the gold standard there is this
14 sort of the problem because we know that very often
15 work records and so forth, where a person is located
16 is not well-documented all the time or consistently
17 documented. And in fact, that is one of the basis
18 for -- or at least the extent of a lot of our Special
19 Exposure Cohort Class Definitions is the fact that
20 the records don't reflect, very often don't reflect
21 everyone who worked within a given part of the

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1 facility. So, we end up extending the Class to a
2 much larger group. And that is the issue we are
3 wrestling with up in Idaho right now.

4 So, but I do think we have to think about
5 other ways we can get that issue but also at least
6 so that it is being handled in a consistent way.

7 MEMBER KOTELCHUCK: Are the folks at
8 ORAU or are we aware that a claimant is alive? And
9 if the claimant passes away, are we informed of
10 that?

11 I mean that would impact -- if people
12 have cancer and it will become fatal or they will
13 die of something else, but they have cancer, there
14 would be a value in making sure that we try to get
15 a CATI report out while the person is still alive.
16 That would be valuable information.

17 But if we don't know that the person is
18 alive and I certainly don't know from the data that
19 we see, then we may miss out. I mean a person may
20 have six months of life, after they put a claim in.
21 And it would be valuable to speak to the person if

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1 we could, during that period, if we could.

2 MR. CALHOUN: This is Grady and I can
3 give you a little bit of information on that.

4 MEMBER KOTELCHUCK: Good.

5 MR. CALHOUN: When there is a case that
6 is terminal, you know in really bad shape, we
7 actually will get an expedite request from the
8 Department of Labor and we do everything we can to
9 try to make sure that that case is done very
10 quickly. And we do do that, and we get them done
11 quite quickly and we do try to get a hold of the
12 actual claimant or even if one of their authorized
13 reps is willing to help answer questions for them
14 so we can do that quickly and get them a result.

15 And that happens through a different
16 ways. It can actually be initiated through the
17 Department of Labor when they find out that someone
18 is terminal and it also can come through our
19 ombudsman, Denise Brock, and she actually can get
20 the information and then she will prod the
21 Department of Labor -- I don't use prod as it if

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1 that is a very difficult thing to do but she will
2 say hey, this person is critical or terminal and
3 we need to get that through the system as quick as
4 we can.

5 And do that. When that happens, we
6 send a request over to ORAU, they put that at the
7 top of their list and they get that done quite
8 quickly. Sometimes we are waiting on Department
9 of Energy records but I'm not going say that that
10 is usually a hassle either because they also get
11 the notification that it is a terminal case and most
12 of the sites are very good about getting us the
13 records quickly.

14 Now, if somebody dies, obviously, they
15 are no longer an available claimant for that case
16 and we won't know about that unless we find out,
17 primarily, through the Department of Labor.

18 Now, if somebody dies even after a case
19 is completed, we will allow the new claimant to
20 provide a CATI that we can look at and see if somehow
21 they had information that the actual employee

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1 didn't have that may affect the outcome of the case.

2 So, those mechanisms are in place. If
3 somebody has died, though, we are very unlikely to
4 find out about it, except for if the case is brought
5 to the attention of Labor by other existing
6 claimants.

7 MEMBER KOTELCHUCK: Well, what you say
8 is quite reassuring because at the beginning of the
9 process, there is an effort to make sure that
10 terminal cases are looked at quickly. And the
11 issue at the end, toward the end, when the person
12 has died, that is to me, less critical.

13 So, I am reassured by what you say and
14 glad to hear it.

15 MR. CALHOUN: And it is not infrequent.
16 I don't have the numbers off the top of my head but
17 I get all of the requests. The expedite requests
18 that I send over to ORAU, I would say that we average
19 more than one or two a week.

20 MR. MAHER: This is Ed Maher. I
21 confirm that number. And I also point out that on

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1 our side when we get those expedite requests, if
2 the data is in-house and the interview is done, we
3 mandate a five working day turnaround on that
4 claim.

5 Unfortunately, a lot of these claims
6 are fairly new claims that the dosimetry data has
7 not arrived but the CATI is done right away. Pat's
8 group will go out and do a CATI right away.

9 MEMBER KOTELCHUCK: Good and that is
10 what is most important.

11 CHAIRMAN MELIUS: Yes, I should
12 mention -- DOL made a very good effort to address
13 the issue when somebody is terminal or near
14 terminal and has a short time left. We do have to
15 recognize that there are lots of situations where
16 claimants have already died.

17 MEMBER KOTELCHUCK: Oh, yes.

18 CHAIRMAN MELIUS: And because of the
19 family members often know very little about what
20 their family members did and certainly not the kind
21 of work detail that might be helpful for their

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1 cases.

2 MEMBER KOTELCHUCK: Well, that is why
3 getting the CATI quickly is so important. And
4 obviously, folks have thought about it and this is
5 an absolutely reasonable approach.

6 Okay, my question is answered.

7 CHAIRMAN MELIUS: Just back to the
8 consistency issue for a second. I mean one of the
9 possibilities of approaching this is doing it one,
10 you start with an individual dose reconstruction
11 but start then selecting cases based on other
12 people with the same situation, basically, that
13 worked roughly the same time period, the same
14 exposures and see how their cases were handled,
15 also, which would be a little different approach
16 in terms of how we are selecting cases that we do
17 now.

18 MEMBER KOTELCHUCK: Right.

19 CHAIRMAN MELIUS: One of the other
20 things I wanted to mention earlier but I wanted to
21 bring up, get some other thoughts from Board

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1 Members is right now we, in terms of the dose
2 reconstruction review process, we go through, the
3 Subcommittee goes through basically all of the
4 findings and tries to resolve all of those with
5 NIOSH.

6 Now, it has been mentioned if it is a
7 negative finding, there is not a lot of time spent
8 on it but there is some. And it takes up some
9 administrative time.

10 So, one of the thoughts that has been
11 mentioned has been well, let's just focus on
12 positive findings. So, if there are no findings
13 within a data set or a case within a data set being
14 reviewed, that that would not get any further
15 attention or only those findings where there is a
16 discrepancy or question or difference would those
17 be reviewed.

18 And I am just curious now what the other
19 Board Members thought about that approach. The
20 idea is it would save time but I guess the down side
21 is that it would be maybe both NIOSH and SC&A were

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1 wrong.

2 MEMBER BEACH: This is Josie.

3 I think to save time that seems like a
4 reasonable approach. And maybe if you don't want
5 to totally not look at those others, do a smaller
6 sampling of those.

7 One of the things that I was always
8 concerned with is when you did your reviews and you
9 found cases where you were at a point where the
10 findings were such that it could potentially put
11 the percentage over the mark, and those, to me, are
12 so important to re-look at and there has never been
13 any feedback from those, from my point of view.
14 And now being on the Subcommittee, I will probably
15 see that go through.

16 MEMBER KOTELCHUCK: Right. How
17 about, Josie, how about -- am I on, by the way?

18 MEMBER BEACH: Yes.

19 MEMBER KOTELCHUCK: Okay. How about
20 that we say that if there are no findings but the
21 Probability of Causation exceeds 45 percent, that

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1 we look at it, in case the Subcommittee would see
2 a concern or even possibly an error or whatever?

3 But that if the PoC is under 45 percent
4 and there is agreement between ORAU and SC&A, we
5 don't bother with it? And that, to me, would work
6 and would take care of the problem of cases that
7 are close.

8 MEMBER ZIEMER: This is Ziemer. I
9 have two comments on Jim's question. The ones with
10 no findings, I think probably, for efficiency, it
11 makes sense not to take administrative time to
12 review those with the Subcommittee or even in the
13 smaller groups, the peer person groups.

14 The chance of one of the Board Members,
15 contrary to NIOSH or SC&A, actually finding an
16 error in the dose reconstruction is pretty small
17 because, although we have the individual
18 information on the case and all the details of their
19 case, we don't have all the tools that SC&A works
20 with to actually go through those. So, I don't see
21 that. You know and you say what if they are both

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1 wrong, I don't think that there is much chance that
2 we would find that both were wrong.

3 MEMBER KOTELCHUCK: Well, I admit that
4 I do not remember any case situation where that has
5 happened. I think it is just instinctively trying
6 to be conservative. Because when we get close,
7 when the cases we review are close, we look very,
8 very carefully.

9 MEMBER ZIEMER: Well, I know but I am
10 just talking in general about the no findings
11 cases. And if SC&A has no findings on it, then I'm
12 not sure what we gain in terms of the smaller groups
13 going through it before it goes up to the main
14 committee. I certainly think those cases have to
15 be looked at carefully.

16 One other comment I wanted to make going
17 back to Jim's earlier consistency issue in cases
18 where you have other people in the same categories,
19 to some extent, Jim, we did try to select --
20 remember we often tried to select cases by cancer
21 category so we would make sure we looked at certain

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1 types of cancers. We also were selecting by
2 categories of how long people worked in facilities.
3 Now, we weren't directly confirming all of those
4 on a one-to-one basis but were trying to make sure
5 we looked at, for example, a sufficient number of
6 certain cancers, sufficient numbers of people who
7 had worked several decades and that sort of thing.

8 CHAIRMAN MELIUS: This is Jim. I am
9 aware of that. I guess I was thinking of I'm not
10 sure it necessarily identified situations where
11 there are, I will call them, undocumented methods
12 being used or maybe less documented methods. I
13 don't know what the right terminology is. I don't
14 want to disparage what ORAU was doing.

15 MEMBER ZIEMER: Are you focusing on the
16 ones where we don't have sort of the workbook
17 approach?

18 CHAIRMAN MELIUS: Yes, correct.

19 MEMBER ZIEMER: Yes, okay.

20 CHAIRMAN MELIUS: And there may be
21 other situations of have you interpreted the work

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1 history or whatever, where there is more judgment
2 involved, individual judgment involved.

3 MEMBER ZIEMER: And don't most of them
4 involve pretty small facilities where we don't have
5 Site Profiles and the number of claims, themselves,
6 are fairly small?

7 CHAIRMAN MELIUS: Yes.

8 MEMBER ZIEMER: It may be difficult to
9 try to match up and say okay we have got several
10 cases alike in this facility.

11 CHAIRMAN MELIUS: Not necessarily. I
12 think they apply in some other situations also.
13 But I do think they do come up there.

14 And sort of the other counter argument
15 on those small sites is that because there is a lack
16 of information, the dose reconstructions methods
17 are usually pretty simple. It is usually some
18 measure of exposure or does times the number of
19 times worked.

20 MEMBER ZIEMER: Yes, the number of
21 replies in a limited time period.

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1 CHAIRMAN MELIUS: So, I don't think
2 those are -- I guess I was thinking more in some
3 of the more complicated sites and complicated
4 calculations, where these might come up or where
5 it is based on where work history data becomes more
6 important or interpretation of that.

7 I mean the classic example is the number
8 of incidents. And we have gone back and forth on
9 that and the number of the sites trying to -- it
10 is not an easy situation to resolve because those
11 aren't always recorded all in the same place or
12 recorded at all and may be based on people's
13 recollections and so forth.

14 Other thoughts on what any additional
15 information we might --

16 MEMBER KOTELCHUCK: Well, the one
17 thing I do have a fairly strong feeling about
18 personally is the spending Board time -- spending
19 Subcommittee time on observations as opposed to
20 findings.

21 And we don't review the observations

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1 but we talk about them. And if I may say, it gives
2 us all an opportunity to chat and we are not going
3 to decide on it anyway. So, sometimes the issues
4 are intellectually interesting and it is easy to
5 talk a little bit about that and spend time but take
6 a look at 14 through 21. We have only 29 findings
7 but we have 60 observations.

8 Now, we are not going to save an
9 enormous amount of time and we will save time and
10 I think that some Subcommittee Members have felt
11 that we should not spend time on observations and
12 just have ORAU and NIOSH talk with each other about
13 the issues that are raised there.

14 Once in a while, we find an observation
15 that should have been a finding, I will say. I
16 don't have any sense of what percent of times that
17 happens but it can't be more than ten percent or
18 probably less.

19 So, we would save time by having not
20 discussing in the Subcommittee observations.

21 MR. CALHOUN: Dave, this is Grady and

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1 I agree with you because we actually spend time to
2 write responses to those and I really do feel that,
3 on average, we spend as much time discussing each
4 observation as we do a finding.

5 MEMBER KOTELCHUCK: Well, that is
6 interesting. I mean I don't have that perception.
7 But if you do and if you are writing a report, then
8 we save a lot of time in the whole overall
9 operation, that is for ORAU as well as for the
10 Subcommittee.

11 I would be in favor of that. I have
12 felt that fairly strongly and more strongly as time
13 goes on and we are trying to move through lots of
14 cases for review.

15 MEMBER BEACH: Well, Dave, this is
16 Josie. I think we have to be very careful that we
17 aren't putting issues into observation when they
18 really should be findings. And I agree with what
19 you are saying about not spending a lot of time on
20 the observations but I want to make sure we are not
21 missing findings within the observations.

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1 MEMBER KOTELCHUCK: Well, I would
2 estimate, and Grady see what you think just based
3 on our practice recently, I would say less than ten
4 percent of the observations, probably closer to
5 five percent, actually end up being switched to a
6 finding.

7 MR. CALHOUN: I agree with that. I
8 think it might even be less than that.

9 MEMBER KOTELCHUCK: Yes, I think it
10 might be.

11 MS. GOGLIOTTI: This is Rose. I think
12 we have five cases in 10 through 13 that had
13 findings switched or observations switched, if
14 that helps.

15 MEMBER BEACH: Okay.

16 MEMBER KOTELCHUCK: Pardon? I missed
17 that.

18 MS. GOGLIOTTI: I know we have cases
19 that have flipped in sets 10 through 13.

20 MEMBER KOTELCHUCK: Okay.

21 MEMBER BEACH: I just think in the

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1 beginning on the onset, we need to be careful what
2 we are listing as findings and observations and
3 maybe err on the side of making them findings, if
4 they are closed. But that is a question.

5 MEMBER KOTELCHUCK: Yes, although, let
6 me say this. Making them findings doesn't change
7 the compensation, generally. It is having
8 accurate reporting on our process. So, it is not
9 a tragedy to miss them.

10 The other way is to say let's begin the
11 process of not looking at observations by
12 continuing to look at them for some period of time
13 and then making a later decision. But I do think,
14 Josie, as you come on the Subcommittee, I think you
15 will see that we do spend a fair amount of time on
16 them.

17 I'm not -- respectfully, I cannot tell
18 Board Members, it is not my role to say I wish you
19 wouldn't chat about that because we have so many
20 more cases to do today.

21 MEMBER BEACH: No, no, I understand.

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1 MEMBER KOTELCHUCK: And it is very easy
2 to talk about it. And the issues are, as I say,
3 scientifically interesting, the differences of
4 opinion but not so important for compensation.

5 MR. CALHOUN: This is Grady again. We
6 have got a long track record of categorizing things
7 as findings and observations and I think,
8 generally, that SC&A does a good job of determining
9 what should be a finding and what should be an
10 observation. Typically, it is something that like
11 with any QC audit type process, it is an observation
12 when it is not a violation of a procedure or a
13 document.

14 I think they have done a really good job
15 of determining which are truly observations and
16 which are findings.

17 MEMBER KOTELCHUCK: You know what,
18 Jim? If we know that there are five observations
19 that became findings in 10 through 13, Jim, if we
20 could task SC&A to tell us the total number of
21 observations, let's get a percentage on it.

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1 CHAIRMAN MELIUS: Yes, that would be
2 fine.

3 I would just -- my question, Rose, and
4 I don't know if you have the information on that,
5 but at least my recollection is in the time between
6 SC&A's draft report is then reviewed by individual
7 Board Members, there are situations I can recall
8 in my small sample, where we changed observations
9 to findings and probably vice versa also.

10 MS. GOGLIOTTI: That is a good point.
11 In the one-to-ones, we often do change findings and
12 observations.

13 MEMBER ZIEMER: I've had the same
14 experience. This is Ziemer. So, they are findings
15 before they get to the DR Subcommittee.

16 CHAIRMAN MELIUS: Yes.

17 MEMBER KOTELCHUCK: I am missing the
18 implication of that.

19 CHAIRMAN MELIUS: Five may be an
20 underestimate of the number of initial
21 observations that became findings. There is an

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1 earlier step in the process, when the individual
2 Members go through them with SC&A.

3 MEMBER KOTELCHUCK: Well, that's true
4 --

5 MS. GOGLIOTTI: It's not uncommon in
6 the beginning.

7 CHAIRMAN MELIUS: And the opposite
8 happens also but I think it is -- my guess is that
9 it is more common for observations to become
10 findings because the individual Board Members
11 involved in that point in the process think that
12 at least the Subcommittee ought to look at that
13 issue. It may be borderline but it deserves some
14 additional scrutiny.

15 But if we continue with it, so not to
16 say that that what you are proposing isn't
17 appropriate, Dave, but it is only -- I think we just
18 have to be careful when we think where the
19 evaluation is done and where these changes might
20 take place.

21 MR. KATZ: Yes, this is Ted. Keep in

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1 mind, at least I haven't heard anyone propose that
2 you cut out that step in the process, the two Board
3 Members meeting. So, that would still be there as
4 sort of a safeguard if you were to follow Dave's
5 proposal.

6 MEMBER ZIEMER: The observations have
7 already been reviewed by that subset.

8 MR. KATZ: Right, that's what I meant.

9 MS. BEHLING: This is Kathy Behling.
10 If I can just -- an example of what we often do on
11 the observations is if there is inconsistencies
12 between maybe procedures and they have these DR
13 notes that the dose reconstructor are often looked
14 at while they are doing the dose reconstruction.
15 And in fact, I am looking at one observation right
16 now that says there was an inconsistency between
17 the Technical Basis Document, an OTIB, and a
18 Savannah River DR note.

19 And I think a lot of times we are not
20 trying to blame the dose reconstructor for that but
21 we just want to make NIOSH and ORAU aware of that

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1 type of issue.

2 So, this is our avenue to do that
3 because NIOSH is not involved in that one-on-one
4 process. So, we can't just completely ignore the
5 observations during the Subcommittee meetings, in
6 my mind.

7 Perhaps, if I could suggest this. If
8 you would like, prior to these meetings, that SC&A
9 actually try and categorize the observations so
10 that to put out front those that we want to make
11 sure get some attention, although they make an
12 observation --

13 MR. KATZ: Well if I may, Kathy, it is
14 not necessarily an issue of the Dose Reconstruction
15 Subcommittee but it is an issue of whether NIOSH
16 shouldn't be --

17 MS. BEHLING: Correct.

18 MR. KATZ: -- observing those
19 observations as well, as opposed to -- yes.

20 MS. BEHLING: Correct. And other
21 issues come up such as if we see something in the

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1 documentation, DOE documentation that maybe there
2 was some type of an incident. I am looking at
3 another observation here in one of the matrices
4 that says we realize that there was a tritium
5 incident that was never reported. When we looked
6 at the data, it looks as if NIOSH did cover that
7 data. They did assess the data appropriately but
8 there was no mention of that in the dose
9 reconstruction report and, perhaps, that
10 individual will go back and then not recognize that
11 that was assessed or looked at.

12 So, those are the types of things we put
13 into the observation.

14 MEMBER KOTELCHUCK: Well, we have, in
15 the past, said why don't the ORAU and SC&A people
16 talk together about the observations before it
17 comes to the Subcommittee and see if you can't
18 resolve them. And then leave it up to you folks
19 to say no, I think we would like the Subcommittee
20 to look at it.

21 In other words, as we are reviewing the

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1 documents before the meeting, I would feel it would
2 be useful, it seems to me, to have those findings
3 discussed between the two parties and not
4 necessarily brought to the Subcommittee, but only
5 brought those things that you think, in your
6 judgment, in your professional judgments, warrant
7 a look and you would like to bring it before the
8 Subcommittee. Is that something that could be
9 done on a consistent basis?

10 MR. CALHOUN: Dave, this is Grady.
11 And I believe that we do typically include
12 responses on our matrices for the observations.
13 Now, getting together and having a pre-meeting
14 meeting, I hate to commit to that right now just
15 because of all the work that goes into this already.
16 That seems like -- I don't know if the payoff would
17 be -- if that would involve less time or more time
18 overall.

19 MEMBER KOTELCHUCK: Okay, so your
20 feeling is it is a pre-meeting meeting. Well, if
21 it is, then that is a problem.

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1 But you know, I am just looking ahead
2 to 14 to 21 and we are going to go through 29
3 findings and 60 observations. And I tell you, we
4 spend time on those. Everybody who is on the
5 Subcommittee knows that and are sitting in on the
6 Subcommittee meetings. We do spend a fair amount
7 of time on it, even if the Subcommittee does not
8 make a decision.

9 And Jim, it is also true that the
10 Subcommittee has turned back observations into
11 findings.

12 CHAIRMAN MELIUS: Sure. Maybe we
13 should have a 30-second timer going on when we have
14 discussion of observations or something.

15 MEMBER KOTELCHUCK: Well, you know, a
16 30-second timer could be the chair being instructed
17 to suggest to the Subcommittee Members that let's
18 keep this short. And many times, that just happens
19 of its own accord. But I assure you, many times,
20 it does not. And I respect the opinions and voices
21 of every single person on the line. So, I am not

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1 going to tell somebody please, could you -- you
2 know, I am not going to call time on them. At least
3 I feel it is inappropriate; whereas, I wish
4 sometimes they would finish quickly. But it just
5 seems to me not in my purview as chair to do that.

6 And seriously, that is an internal
7 timer.

8 MEMBER ZIEMER: Well, maybe the
9 Subcommittee can agree on some ground rules on how
10 to handle those.

11 MEMBER KOTELCHUCK: Yes.

12 MEMBER ZIEMER: You know you don't have
13 to impose them as the chair, per se, but maybe
14 everybody could agree we won't spend more than X
15 minutes on each of these.

16 MEMBER KOTELCHUCK: Well, why don't we
17 do that? I mean we certainly can have a
18 discussion.

19 MEMBER ZIEMER: We're not going to
20 solve that today.

21 CHAIRMAN MELIUS: Yes, we are not going

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1 to solve it today. I think some of the other
2 Subcommittee Members want to weigh in on that one.

3 MEMBER KOTELCHUCK: I think so. So,
4 we will have a conversation about that. We have
5 a meeting in a couple of days and I can add that
6 on the agenda and just have a brief discussion about
7 that.

8 But I think that is probably all we
9 should talk about, in terms of that issue.

10 MR. KATZ: This is Ted. Just before
11 you close the conversation, let me just say my
12 observation from the sidelines. I think everyone
13 should keep in mind is just the general dictum or
14 whatever you call it of not letting the perfect get
15 in the way of the good.

16 I think you are going to find, at the
17 end of the day, that you are going to have to make
18 some sort of coarse, meaning rough, imperfect
19 adjustments to your process that are fairly
20 substantial that you are really going to ratchet
21 up the pace, no matter what, even if, for example,

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1 you manage observation discussions to a certain
2 amount of time period or whatever, I think.

3 You know because we have tried very hard
4 to ratchet up the pace over the last few years and
5 really, I think, have been unsuccessful that way.
6 And so, I think you are really going to have to think
7 of some significant innovations to be able to --
8 if you are going to want to change the pace of how
9 these reviews get done.

10 Anyway, I just wanted to share that
11 observation.

12 MEMBER KOTELCHUCK: Okay.

13 CHAIRMAN MELIUS: Well, I can throw out
14 one possibility. Maybe we should have two Dose
15 Reconstruction Review Subcommittees. I mean one
16 possibility is you put more resources into -- well
17 you have both sort of Board resources and --

18 MR. KATZ: Yes, I agree with that.
19 That absolutely would make a significant
20 difference.

21 CHAIRMAN MELIUS: Yes.

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1 MEMBER KOTELCHUCK: Oh, yes.

2 CHAIRMAN MELIUS: And that would mean
3 appropriate increase, proportional increase in
4 sort of SC&A resources and NIOSH/ORAU resources.

5 MR. KATZ: Right, exactly. And so
6 NIOSH would have to be able to adjust its other
7 resources accordingly to keep that pace.

8 CHAIRMAN MELIUS: Yes.

9 MR. CALHOUN: Yes, we basically have
10 the same guys doing that and I don't know, that is
11 basically doubling our resources on that. And you
12 know then we are going to get into the hard decision
13 of okay, what don't you want us to do.

14 I think that the discussions earlier
15 about fine tuning what we look at and even the
16 suggestion of reducing the overall number of cases
17 we review, especially given the current findings,
18 is the way to go.

19 You know, I appreciate trying to get
20 through things quicker but golly, our guys are
21 pretty slammed, as far as their workload.

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1 CHAIRMAN MELIUS: You know I still
2 think it is something that shouldn't be off the
3 table entirely.

4 MR. CALHOUN: I agree with that but it
5 will certainly not go without some impact on other
6 parts of our program.

7 CHAIRMAN MELIUS: Or you will need some
8 more resources for your program.

9 MR. CALHOUN: We have a fixed price
10 contract.

11 CHAIRMAN MELIUS: I'm not saying that
12 is what we are recommending but it should be a
13 consideration, if we are going to get -- if the
14 Board feels that is the only way or is part of the
15 way of getting -- meeting its mandate to review your
16 dose reconstructions.

17 MS. BEHLING: This is Kathy Behling.
18 Dr. Melius, I am not sure if you were aware but I
19 think that at the last Dose Reconstruction
20 Subcommittee meeting, we also discussed perhaps
21 setting a year in advance trying to establish when

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1 the next meetings would be. And I don't know how
2 soon they could be but like every six weeks, is that
3 a possibility, knowing the fact that I guess you
4 have put out a Federal Register notice? But that
5 might also be one option we want to continue to
6 pursue is establishing the meetings, let's say a
7 year in advance, so that we could do them, perhaps
8 more frequently.

9 MEMBER KOTELCHUCK: That's a
10 possibility, certainly, and a reasonable one.

11 In a way that is more determined by what
12 the intrinsic workload is for SC&A and ORAU. If
13 you folks think that you could give us materials
14 and write-ups to do that, we certainly could.

15 Although, I will say we have tried to
16 have it in six week lumps and it starts to put
17 pressure on our Subcommittee Members, who have
18 other -- particularly, who have other job
19 responsibilities. Some of us who are retired, it
20 is easier to schedule more quickly.

21 And at times, when we have tried to

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1 schedule a short time between meetings, we find
2 that the meetings end up being canceled for lack
3 of a quorum because somebody has some
4 responsibility in their regular work. So, that is
5 a problem.

6 Now, one could enlarge the committee.
7 Rather than the double the committee, one could
8 enlarge the committee but that adds to the workload
9 of all the Board Members, which may be possible,
10 it may not be.

11 MR. KATZ: This is Ted. I think the
12 only way you can get more frequency is as Dr. Melius
13 and you just mentioned, you would have to expand
14 the Subcommittee and have, in effect, sort of a
15 Subcommittee Part A and B or something, because it
16 is not getting easier to schedule.

17 In scheduling, the main pitfall in
18 scheduling has been actually Member availability.
19 So, you will have to go that route, if you want to
20 get more frequency.

21 CHAIRMAN MELIUS: One other issue,

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1 this is away from efficiency, to another sort of
2 different issue in terms of our overall approach,
3 does anybody have any thoughts on sort of case
4 selection? Do we need to modify the approach that
5 we used for selecting the cases to be reviewed?

6 And I think, in essence, we have done
7 that incrementally with each set. So, it is not
8 like it has been a static approach since day one
9 or even since set 13 or whatever. I think at any
10 point in time, it keeps changing. Josie or Dave,
11 do you have any thoughts on that?

12 MEMBER KOTELCHUCK: Well, here is a
13 case where Members who have been on the
14 Subcommittee longer than I have might weigh in. We
15 have, more or less, used the same approach in 10
16 through 13 throughout and it seems adequate to me.
17 I have not been -- I haven't seen problems with it.
18 I would be interested if others did and there may
19 be other opinions. But, personally, I don't see
20 it is in need of fixing. We usually are able to
21 select them and agree upon the selections pretty

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1 quickly and that is also true for blind cases. Our
2 selection processes seem to work reasonably well
3 within the Committee.

4 Would ORAU folks, if there is anything
5 -- would you have any observation about that?

6 MR. CALHOUN: This is Grady. You know
7 we have been focusing on 45 to 52 percent cases.
8 And certainly those are the most likely to cause
9 a change in compensation decision, if there is a
10 significant mistake made. That limits us, though,
11 to about 2.3 percent of all of the cases we have
12 in hand. That is all that falls between 45 and 52
13 percent. So, you know that is one thing out there.

14 So, certainly from your standpoint, it
15 is a much more detailed review. All of the other
16 ones are going to involve over estimate or
17 underestimate. So, you are almost sharpening a
18 marshmallow at that point.

19 The biggest problem with the thing we
20 are looking now at is if the numbers that we can
21 come up that fall within that range but we haven't

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1 had a real lack of cases to review. That is why
2 we are having this meeting. So, that is my only
3 input on that.

4 And you know I feel good about the fact
5 that very, very, very few cases have flipped
6 compensability. Actually, we went back and looked
7 and there was one that flipped a long time ago and
8 that is when we were intentionally overestimating
9 cases when we didn't have TBDs and that was at the
10 very beginning of the project and that was one case.
11 And that certainly wasn't a mistake. That was a
12 directive given by our management at the time.

13 The second was a Rocky Flats case that
14 went from comp to non-comp because there was no NDRP
15 data provided by the Department of Energy. And
16 again, that really wasn't a mistake on our part.
17 That was information that wasn't given to us by the
18 Department of Energy.

19 And through this entire process, there
20 is only one other case that is currently being
21 looked at where the compensability flipped. And

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1 that has always been our prime focus, is to make
2 sure that the appropriate compensation decision
3 was given out.

4 And given the current range that you are
5 looking at, those are the ones most likely to flip.

6 MEMBER KOTELCHUCK: Right, I agree.

7 CHAIRMAN MELIUS: And I think we have
8 pretty much covered the universe of sites, at least
9 to the extent that there are dose reconstructions
10 being done at those sites.

11 MR. KATZ: So, one thing, if you want
12 in your tasking analysis from SC&A, you may want
13 to look at sort of productivity by site of findings,
14 if you want to call it productivity. But look at
15 where you are finding more problematic cases and
16 you may want to focus in that respect down the road,
17 in terms of case selection. By method or site or
18 whatever but whatever it turns out might be the more
19 problematic types of cases.

20 MEMBER KOTELCHUCK: Yes, possibly.
21 Although, having reviewed those cases, if 2.3

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1 percent of the cases are 45 to 52, we are basically
2 selecting half of those cases because we are
3 reviewing one percent of all cases.

4 So, when we go through the selection
5 from that 2.3 percent, we are not going to choose
6 two from the same site or we might. But we try to
7 spread them out with major sites and smaller sites,
8 in terms of claims.

9 So, I don't think we can assess or I
10 don't think we are failing in productivity by site,
11 if you will or need improvement.

12 MR. KATZ: I guess what I am trying to
13 say is I mean we have good distribution across the
14 sites from our selections.

15 MEMBER KOTELCHUCK: Right.

16 MR. KATZ: What I was trying to say is
17 if, upon analysis, we find that there are sites
18 where we really don't have many substantial
19 important findings repeatedly, presumably because
20 the dose reconstructions there just simply,
21 whether they are simpler or better done, or what

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1 have you, the source documents are better for those
2 and approaches but if there are sites where they
3 are not producing many findings of concern, then
4 maybe those are sites that you don't focus on and
5 you put more of your emphasis on the sites with more
6 of the findings. That is what I was trying to say.

7 MEMBER KOTELCHUCK: I tell you, that
8 will move us into more reviews of smaller sites,
9 which have fewer claims, and also much less
10 information.

11 MR. KATZ: Well no, I mean the simpler
12 sites generally don't have so many findings because
13 they are easier dose reconstructions to do.

14 MEMBER KOTELCHUCK: You may be right.

15 MR. KATZ: It's the big sites like SRS
16 that are complicated that tend to be the most
17 productive, I think. We will have to see. I don't
18 know. Again, someone has to do the analysis.

19 MEMBER KOTELCHUCK: Yes. Other
20 folks?

21 CHAIRMAN MELIUS: Do we want to have

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1 that analysis done? Would that be -- I mean I don't
2 think it would be hard to do based on, I would say
3 do it for 14 through 21. We have already tasked
4 SC&A to do some work on that.

5 MEMBER KOTELCHUCK: Well, I mean while
6 I am not terribly persuaded that that is going to
7 yield anything, I also certainly don't object and
8 if it isn't a major task, I would be open to what
9 other folks here suggest.

10 So, if other people would like to do it,
11 I am open. And particularly, if it is not
12 difficult to carry out. It is not a major task.

13 MEMBER ZIEMER: Well, we were actually
14 asking SC&A, I think, to tell us where the findings
15 were coming from, whether it is a type of case or
16 a location. It seems to me, it is all part of the
17 same analysis.

18 MEMBER KOTELCHUCK: Yes, okay. All
19 right, we could do that. And I see that wouldn't
20 be difficult.

21 MEMBER ZIEMER: To me, it is just a

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1 sorting issue.

2 MEMBER KOTELCHUCK: Yes, it is. And I
3 am looking at we have the facilities mentioned in
4 each of the cases 14 through 21. Let's take a look
5 at it, then.

6 CHAIRMAN MELIUS: What we don't have,
7 and I think is harder to get at is sort of the dose
8 reconstruction method involved and that is sort of
9 below the surface a little bit more.

10 MEMBER KOTELCHUCK: Yes, but we are
11 really looking at full internal and external.

12 CHAIRMAN MELIUS: Yes.

13 MR. CALHOUN: Jim, this is Grady and we
14 certainly can give you a list of those sites for
15 which we do not have a published TBD but for which
16 we do have completed DRs.

17 CHAIRMAN MELIUS: That would be useful
18 to have, Grady, I think, just to make sure we
19 understand the universe.

20 I know in the SEC, I continually get
21 surprised by sites that you come up with, that I

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1 had forgotten about.

2 Any other? So, we are tasking SC&A to
3 just do some additional analysis. Is that doable
4 in the next 30 days, before the July meeting?

5 MS. GOGLIOTTI: Absolutely. We
6 should have no problem doing that.

7 CHAIRMAN MELIUS: Thank you. Yes, if
8 you can figure it out and sort of give us a date
9 on that and whether we might want a short Work Group
10 meeting before the July Board meeting, just to
11 discuss that and do that.

12 And then what I was thinking of doing
13 was doing sort of, I will call it, an early draft
14 set of recommendations. It wouldn't be
15 recommendations but just sort of trying to
16 correlate different approaches that we might use
17 in terms of recommendations, not that they would
18 necessarily be what we would finally recommend to
19 the Board but that it would at least provide the
20 basis of discussion with the Board at the July
21 meeting. And I will share that with everybody.

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1 MEMBER KOTELCHUCK: That would be
2 fine.

3 CHAIRMAN MELIUS: Yes, I don't want
4 anybody to get heartburn or something. In fact,
5 just for Grady, I will propose four Dose
6 Reconstruction Review Subcommittees or something
7 at this point.

8 MEMBER KOTELCHUCK: Okay.

9 CHAIRMAN MELIUS: And then you can tell
10 Stu and give him a headache, Grady, about it.

11 MR. CALHOUN: Okay.

12 CHAIRMAN MELIUS: Anything else?

13 MEMBER KOTELCHUCK: Well, let me ask
14 you. I mean all joking aside, if we did want to
15 enlarge the number of Subcommittees, is there any
16 requirement in terms of this Board that there be
17 exactly the number of Members that we have or is
18 that really getting beyond the scope of this
19 discussion?

20 MR. KATZ: No, that's fine. I can
21 address that. There is not a requirement, a

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1 numeric requirement or limit for a Subcommittee's
2 membership, although at minimum would be three.
3 But so you could establish multiple Subcommittees
4 that are small, if that is what you are talking
5 about, Dave.

6 MEMBER KOTELCHUCK: Well, that is one
7 possibility. The other is enlarging the
8 Subcommittee. But I am actually talking about
9 Presidential appointments to the Board.

10 MR. KATZ: Well, okay -- that is
11 another ballpark.

12 MEMBER KOTELCHUCK: That is another
13 ballpark?

14 MR. KATZ: Yes, that is another
15 ballpark.

16 MEMBER KOTELCHUCK: Let's leave it
17 then. Okay.

18 CHAIRMAN MELIUS: I think it is just
19 important that both the Work Group and the Board
20 be thinking what do we need to be doing in terms
21 of dose reconstruction reviews to meet our mandate

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1 and be able to, with some confidence, reach
2 conclusions about the quality of the dose
3 reconstructions that are being done.

4 MEMBER KOTELCHUCK: Right.

5 CHAIRMAN MELIUS: If we only have the
6 resources or the capability, whatever you want to
7 call it, of doing one review, or one dose
8 reconstruction per year, that is obviously not, I
9 don't think any of us would argue that that is
10 adequate.

11 But what the percentage is, is it one
12 percent, two percent, or three percent, whatever?
13 I mean I think we have to think how do we combine
14 different approaches that would provide with some
15 confidence be able to reach conclusions.

16 MEMBER KOTELCHUCK: Right.

17 CHAIRMAN MELIUS: And I think now that
18 the program has matured and documentation has
19 improved, that that number changes. That
20 percentage changes maybe we have to think of how
21 we can use different approaches.

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1 And we have been doing targeted
2 approaches already in terms of our dose
3 reconstruction reviews. We don't do a random
4 sample. We are taking a number out of -- we are
5 targeting reports, ones which we think are more
6 likely to have findings that could impact the
7 overall program.

8 So, maybe that reduces the need for such
9 a large number of reviews. At the same time we have
10 to make sure we are not missing ones and that we
11 are not neglecting some area that is or could be
12 problematic.

13 MEMBER KOTELCHUCK: Let me ask -- as
14 chair of the Subcommittee now, let me ask -- it is
15 my impression for the last couple of years that the
16 progress of the Subcommittee was the thing slowing
17 us down and that NIOSH and SC&A were ahead of us,
18 in terms of if we could have reviewed things more
19 rapidly. Is that observation shared by others?

20 MR. KATZ: This is Ted.

21 MEMBER KOTELCHUCK: Yes, fine, Ted.

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1 MR. KATZ: My observation is it has
2 been a combined result. It is not singularly
3 because of the Subcommittee not being able to meet
4 more frequently the pace. The pace has also been
5 controlled by how much NIOSH can do and by SC&A's
6 performance in producing stuff for a meeting and
7 I think everyone has kept the pace at what it has
8 been but not just because of our problems with
9 meeting frequency.

10 MR. CALHOUN: Dave, this is Grady. I
11 honestly believe that we have been doing much
12 better since you have taken over. I think we are
13 getting through cases much quicker. I know we do
14 have to do it faster than that, even, but to me,
15 it seems like the meetings are moving along quicker
16 and the Committee Members are much more okay with
17 closing out findings.

18 MEMBER KOTELCHUCK: Well that is, in
19 both cases, good to hear. Well fine, okay.

20 So, I should modify my sense of
21 observation. I guess I am looking at from the

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1 Subcommittee, primarily, and worrying that we are
2 not moving fast enough and it doesn't sound like
3 folks have the impression that we are the gear that
4 is not moving. But, good.

5 Okay, thanks.

6 CHAIRMAN MELIUS: Any other thoughts
7 or comments from Board Members?

8 If not, I think we can, end the Work
9 Group call, when I hear from SC&A about when they
10 will get this next small report to us, I will let
11 everybody know and see if we can work out a time
12 for a short Work Group call before the Board
13 meeting.

14 MEMBER KOTELCHUCK: Good.

15 MEMBER ZIEMER: I have one question
16 before we sign off. This is Ziemer again.

17 CHAIRMAN MELIUS: Yes.

18 MEMBER ZIEMER: One of the documents
19 that you distributed, Jim, was the ORAU Team Dose
20 Reconstruction Quality Assurance Control Program
21 Inspection. I know that the Dose Reconstruction

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1 Subcommittee vetted that pretty thoroughly because
2 you included the minutes to that.

3 CHAIRMAN MELIUS: Right.

4 MEMBER ZIEMER: I just wanted to ask,
5 maybe ask Dave, do you feel like you pretty well
6 have a good handle on that and was the Dose
7 Reconstruction Subcommittee pretty satisfied with
8 that ORAU document and their processes?

9 MEMBER KOTELCHUCK: I am. I am
10 satisfied. That was a good discussion. Let me
11 put it, as one Subcommittee Member, I am satisfied.

12 I think the fact that we are having
13 fewer findings overall suggests to me that things
14 are integrating well. And I feel like we have a
15 handle on what ORAU is doing and what ORAU is doing
16 is satisfying both SC&A and the Committee. So, I
17 am satisfied, certainly.

18 I certainly have not heard from other
19 Board Members that they wanted to open that
20 discussion up. It was a very good discussion.

21 MEMBER ZIEMER: Okay, I just wanted to

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1 make sure that everybody was satisfied with -- it
2 appeared that you were but it wasn't clear to me
3 that there was sort of a bottom line where you sort
4 of gave it your best -- you put it that way.

5 MEMBER KOTELCHUCK: Yes, well that --
6 I wasn't chair at the time we had that discussion.

7 MEMBER ZIEMER: And I guess since they
8 are a contractor to NIOSH but we certainly need to
9 be aware of how they are going about their quality
10 assurance because it does impact on how we think
11 about and do our reviews to the dose
12 reconstructions as well.

13 MEMBER KOTELCHUCK: Yes.

14 MEMBER ZIEMER: If the Subcommittee
15 was comfortable, if I can use that word, or
16 satisfied with what was being done.

17 MEMBER KOTELCHUCK: I certainly
18 remember that meeting. And I think we ended up in
19 good basic agreement and it was very helpful to me,
20 as a Board Member at that time -- as a Subcommittee
21 Member at that time, to hear that discussion and

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1 I came away clear to me what they were doing. And
2 what they were doing seemed good and appropriate.

3 So, I think that Subcommittee was
4 satisfied at the end of that discussion and we have
5 never had anybody since raise the issue should we
6 go back over it again or look at it more carefully.
7 So, I think we are okay.

8 MEMBER ZIEMER: Good, thank you.

9 CHAIRMAN MELIUS: Paul, if I could just
10 add, after I couldn't find our earlier Work Group
11 report, as I said, Ted provided that information
12 to me. And I read through both the transcript and
13 the procedure and I was impressed. I thought it
14 was good.

15 I think again, short of auditing the
16 implementation, I don't think we can say more than
17 that. But I think it is a very good approach that
18 they are using. It is thoughtful and I think it
19 many ways it is as well as can be done in this type
20 of program. But I guess, at the same time, I think
21 we have to understand, as I said earlier, this is

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1 a complex number of sites and lots of issues, not
2 all of which can be documented and covered. And
3 so we are relying on individual dose reconstructors
4 to do this and they are being supervised and so
5 forth, but they are making judgments of what is
6 going on.

7 So, there are always going to be -- I
8 think we always have to have concerns about are
9 those being done consistently. Are they being
10 done appropriately in terms of making those
11 judgments and resulting consultations?

12 One of the individual dose
13 reconstruction reviews I was involved in recently,
14 there was a situation where a person had moved from
15 one site to another and the dose reconstructor did,
16 I thought, an excellent job of addressing that move
17 and how it affected the person's exposure. It was
18 the kind of situation that there would never be a
19 procedure on that because it is probably pretty
20 uncommon for a person to make that kind of a move
21 in that kind of a situation. And I thought they

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1 did very well.

2 But again, it was totally based on them
3 recognizing the situation, the potential exposure,
4 dose implications of what might happen in
5 interpreting their exposure monitoring for an
6 internal dose from two different sites and using
7 two different approaches. And again, it is not
8 something that is going to be captured.

9 So, again, I think it is something we
10 need to keep in mind looking at this. But at the
11 same time, looking at what we found early on in the
12 program which was essentially before the QA/QC
13 program had even been implemented, it was being
14 thought through at that time, this was back in 2004
15 or so. That, I think, what was missing then has
16 been addressed.

17 And what was missing then was,
18 essentially, the program was just starting. So,
19 it wasn't necessarily anybody's thought.

20 MEMBER ZIEMER: No, I agree. I think
21 it is a very good document. Actually, I was a

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1 little curious about the closing paragraph of the
2 ORAU document, which says that the ORAU team is
3 reevaluating their current list of comment
4 categories looking to those categories similar to
5 those utilized by SC&A. So, I think there is an
6 interesting effort there.

7 I'm just wondering, I'm not sure what
8 the date is on this document but maybe someone from
9 ORAU can tell us how that is going and where they
10 are going on that. The document I am looking from
11 ORAU, this is dated, right? I don't know --

12 CHAIRMAN MELIUS: I think it is
13 electronically dated about 2012, at least the
14 version I have.

15 MEMBER ZIEMER: Yes, so, I am wondering
16 if there are any changes since then that we are not
17 aware of.

18 MR. SIEBERT: This is Scott Siebert
19 with the ORAU team. Yes, we actually did update
20 our categories from that time frame of August of
21 2012. We tried to make it more consistent, as I

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1 said. It has been so long ago, that I don't recall
2 exactly the outcome, how close they actually were
3 to the SC&A ones but we did take those into account
4 and we adjusted our categories and we have been
5 using them. We updated it quite a while ago. We
6 actually had more discussion on this topic, if I
7 remember in the November 2012 Subcommittee meeting
8 as well.

9 MEMBER ZIEMER: Okay. Is there any
10 document which says, and maybe we can have a copy
11 of it.

12 MR. SIEBERT: Just a copy of the
13 categories that we used?

14 MEMBER ZIEMER: Well, either that or
15 has this document be revised, the one I am looking
16 at? Is this an official document or is it just a
17 descriptive summary? ORAU Dose Reconstruction
18 Quality Assurance Quality Control Program, is that
19 an official ORAU document?

20 MR. SIEBERT: That was only a document
21 that was put together for the Dose Reconstruction

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1 Subcommittee. It is not a standard document for
2 ORAU team.

3 MEMBER ZIEMER: It's a report. Okay,
4 I'm with you. I thought maybe this was an official
5 document.

6 So, that answers my question. I am
7 fine. Thanks.

8 MS. BEHLING: Dr. Melius, this is Kathy
9 Behling. I was hoping before we ended the
10 conversation here today if we could just revisit
11 one additional issue regarding expediting the
12 issues resolutions process. Do we have time to do
13 that?

14 CHAIRMAN MELIUS: Yes, if you want to
15 bring it up. Depends what the issue is.

16 MS. BEHLING: Okay. In the past, we
17 did recommend that perhaps it would be helpful for
18 the Subcommittee if we categorized not only the
19 findings by site but within the site, if we
20 attempted to lay out for the Subcommittee those
21 findings that we think they could quickly close or

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1 that could be readily be closed and then those
2 findings that may require some additional
3 discussion. And if we were able to get some
4 documentation into the Subcommittee's hands, well
5 in advance or at least a week or so, let's say, in
6 advance of the meeting and have all the
7 Subcommittee Members look at those and then we
8 could maybe more quickly go through those findings
9 or observations that we think would be readily
10 closed.

11 And we did a little bit of background
12 on this. For example, we looked at like the Oak
13 Ridge, Paducah, Portsmouth, and Savannah River
14 sites and I believe we looked at about three or
15 four, maybe the 13th through the 15th or 16th set
16 and analyzed all of the findings for those four
17 sites and we can to the conclusion that there were
18 16 observations and 32 findings that we could,
19 perhaps lay out for the Subcommittee, saying these
20 look as if they could be closed rather quickly and
21 there were only five findings that appeared to us

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1 is going to require a more extended discussion.

2 I am just wondering if that is still
3 something that would be on the table. Is it still
4 something that you would want to consider that
5 would benefit the Subcommittee?

6 CHAIRMAN MELIUS: Well, I think it is
7 more in the purview of the Subcommittee but I think
8 it would be useful if you could share that analysis
9 with this Work Group and with the Subcommittee.

10 MEMBER KOTELCHUCK: Yes, it would be.

11 CHAIRMAN MELIUS: It would be hard to
12 talk about it in the abstract.

13 MEMBER KOTELCHUCK: Of course, in fact
14 we talked about it and thought that was a good idea
15 and let's try to do it at one of our previous
16 meetings.

17 But right now, we are going to be
18 looking at, coming up Thursday, we are going to be
19 looking at blind reviews, primarily. And that is
20 most helpful when we get to going over cases again,
21 regular cases, as opposed to blind reviews.

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1 So, I thought we basically agreed that
2 we would like to do that as a Subcommittee. And
3 I think it will -- I was kind of looking forward
4 to it happening for this meeting and then I realized
5 it is not appropriate because we are going to do
6 blind reviews.

7 But let's figure that, hopefully,
8 either at this next meeting or the meeting after
9 it, we will finish what has been done on the blind
10 reviews and then go back to 14 to 21. And then at
11 that point, by all means, we would love the advance
12 notice and let's see how it works. Let's see if
13 it helps us.

14 MS. BEHLING: And this week, our Dose
15 Reconstruction Subcommittee meeting is Wednesday
16 the 24th?

17 MEMBER KOTELCHUCK: Yes, at 10:30, by
18 the way, not 10:00.

19 MS. BEHLING: Okay, I thought I heard
20 Thursday but I thought it was Wednesday. Thank
21 you.

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1 MEMBER KOTELCHUCK: No, no, it is -- it
2 is --

3 MR. KATZ: It's Wednesday.

4 MEMBER KOTELCHUCK: It is Wednesday.

5 MR. KATZ: Correct.

6 MEMBER KOTELCHUCK: Yes, at 10:30.

7 MS. BEHLING: Yes, thank you.

8 MEMBER KOTELCHUCK: Okay, I look
9 forward to speaking with you then.

10 CHAIRMAN MELIUS: Anything else? If
11 not, thank you all and I will be in communication.

12 MEMBER KOTELCHUCK: Very good.

13 CHAIRMAN MELIUS: Okay, thanks.

14 MEMBER KOTELCHUCK: Thank you.

15 MR. KATZ: Thank you, everybody.

16 (Whereupon, the above-entitled matter
17 went off the record at 11:58 a.m.)
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