

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

+ + + + +

ADVISORY BOARD ON RADIATION AND  
WORKER HEALTH

+ + + + +

SUBCOMMITTEE ON DOSE RECONSTRUCTION REVIEW

+ + + + +

TUESDAY  
NOVEMBER 22, 2016

+ + + + +

The Subcommittee convened via teleconference at 10:30 a.m. Eastern Time, David Kotelchuck, Chair, presiding.

PRESENT:

DAVID KOTELCHUCK, Chair  
JOSIE BEACH, Member  
BRADLEY P. CLAWSON, Member  
WANDA I. MUNN, Member  
JOHN W. POSTON, SR., Member  
DAVID B. RICHARDSON, Member

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## ALSO PRESENT:

TED KATZ, Designated Federal Official  
NANCY ADAMS, NIOSH Contractor  
BOB BARTON, SC&A  
KATHY BEHLING, SC&A  
LIZ BRACKETT, ORAU Team  
RON BUCHANAN, SC&A  
GRADY CALHOUN, DCAS  
DOUG FARVER, SC&A  
ROSE GOGLIOTTI, SC&A  
JENNY LIN, HHS  
BETH ROLFES, DCAS  
SCOTT SIEBERT, ORAU Team  
MATT SMITH, ORAU Team  
JOHN STIVER, SC&A

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

2 (10:31 a.m.)

3 **Welcome and Roll Call**

4 MR. KATZ: Welcome, everyone. This is  
5 the Advisory Board on Radiation and Worker Health  
6 Dose Reconstruction Review Subcommittee.

7 (Roll call.)

8 MR. KATZ: Alright, then, so, let me  
9 just note for everybody to mute your phones except  
10 when you are speaking.

11 Dr. Richardson will be with us at least  
12 until -- will be with us until about 12:30. Dave,  
13 then we have the conflict.

14 CHAIR KOTELCHUCK: Okay.

15 MR. KATZ: It's your meeting.

16 CHAIR KOTELCHUCK: Okay. I am still  
17 trying to get on in my CDC computer. I don't have  
18 -- I seem to be having trouble finding Zaida's  
19 invitation, which I had on my regular computer.  
20 However, let's -- we can begin with me on audio.  
21 I certainly have had a chance to look over the  
22 materials today.

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1                   So, before we begin, just for  
2                   everybody, a couple of just administrative things.  
3                   Ever since I got the note from Dr. Melius about our  
4                   full name, the Dose Reconstruction Review  
5                   Subcommittee, I thought it was reason reasonable  
6                   and proper to use our full name when we abbreviate  
7                   as DRRSC and I started using it. When I took over  
8                   as Chairperson, I just simply used DRSC because  
9                   that is what we have always used. But since I know  
10                  the correct name and I always did, I guess, I  
11                  thought it was a reasonable thing to start using  
12                  it. And I'm going to start using that in notes.  
13                  And when Zaida sent out information about the  
14                  meeting, she called it DRRSC.

15                   So, are folks on the Subcommittee okay  
16                   with using that? Is there anybody who -- is there  
17                   any problem with that?

18                   MEMBER MUNN: No, but we can debate it  
19                   for a while if you like.

20                   CHAIR KOTELCHUCK: Pardon? Okay.  
21                   Alright.

22                   MEMBER BEACH: No objection.

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1 CHAIR KOTELCHUCK: Okay, so I would  
2 like to do that. And that will be --

3 The other thing, and this I will speak  
4 to Ted about, and while it is not, strictly  
5 speaking, a Subcommittee issue, I am always  
6 bothered on our transcripts where we use the word  
7 Chairman for all people who chair Committees and  
8 Subcommittees. And I would like to change it to  
9 Chairperson. That will involve a larger change  
10 and in fact something I think we need to mention,  
11 where we go to the Board or I will speak with Ted  
12 further about it.

13 MR. KATZ: Yes, I don't think that is  
14 really a Board issue, Dave.

15 CHAIR KOTELCHUCK: Yes.

16 MR. KATZ: I mean we can also just use  
17 the term "Chair."

18 CHAIR KOTELCHUCK: We can. I don't  
19 prefer "Chair" because chair, to me, is a fixed  
20 object made of wood or metal or plastic.

21 MR. KATZ: I mean it is in pretty common  
22 parlance.

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1 CHAIR KOTELCHUCK: Well, okay. We can  
2 talk about it some other time.

3 MR. KATZ: It doesn't matter. I mean  
4 that is something to discuss with the transcription  
5 service. Because what people say out of their  
6 mouth is any number of these versions.

7 CHAIR KOTELCHUCK: True. True.  
8 Let's talk about it further, you and I, and that  
9 is just a pet thing of mine. Anyway, I just wanted  
10 to mention the DRRSC.

11 MEMBER MUNN: David, I hate to say this  
12 but that is a pet thing of mine, also, from an  
13 opposite view.

14 CHAIR KOTELCHUCK: Interesting.  
15 Well, let's talk further about it, then, and I will  
16 appreciate your input. Let's talk about that off  
17 of Committee time. And I will make sure that you  
18 are included in our discussion, my discussion with  
19 Ted about it. Let's think about it.

20 Anyway, let's start with our agenda.  
21 So, the first item is the Case Reviews Issue  
22 Resolution for Sets 14 to 18. And while I am still

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1       trying to join Live Meeting on either of my  
2       computers --

3               MS. ADAMS:   Dave, this is Nancy Adams.  
4       I sent you a link in your email to CDC that might  
5       help.

6               CHAIR KOTELCHUCK:   Okay, good.   Good,  
7       and I will look at that.

8               Meanwhile, Rose, are you on the line?

9               MS. GOGLIOTTI:   Yes, I am on the line.

10              CHAIR KOTELCHUCK:   Okay, so why don't  
11       we start with the -- I don't know if you want to  
12       start with the first one, the Paducah GDP.

13              MS. GOGLIOTTI:   Oh, yes, absolutely.

14              CHAIR KOTELCHUCK:   Okay.

15              MS. GOGLIOTTI:   Ted, before we get  
16       going, though, do we need to do a roll call for SC&A  
17       and NIOSH for the record?

18              CHAIR KOTELCHUCK:   Yes.

19              MR.   KATZ:       Thank you, Rose.   We  
20       stopped in the middle of the roll call.   That's my  
21       fault.   But let's go on.

22                               (Roll call.)

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1 CHAIR KOTELCHUCK: Okay, Rose.

2 **Case Reviews Issue Resolution for**  
3 **Sets 14-18 (Paducah GDP [Case 355.2],**  
4 **SRS [356.6], RFP [419.2-4], INL [383.4],**  
5 **NTS [348.8 & 387.1-8])**

6 MS. GOGLIOTTI: Okay, we are going to  
7 start with we have one more in the Oak Ridge matrix  
8 and this is actually a Paducah case. And this is  
9 by name. This is --

10 CHAIR KOTELCHUCK: Could you speak  
11 just a little louder, Rose?

12 MS. GOGLIOTTI: Yes, sorry about that.  
13 This is Finding 355.2 and it is a Paducah case. And  
14 we have had a lot of back and forth with this  
15 particular case. The finding states that NIOSH  
16 used incorrect dose correction factor for the years  
17 1980 through 1982 for missed photon doses. And  
18 basically as a result of this, we determined or  
19 NIOSH determined that the text in the TBD doesn't  
20 accurately reflect what they thought.

21 So, NIOSH is modifying their

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1 recommendations here in the TBD and they have also  
2 offered does reconstruction guidance for Paducah.  
3 When they update the TBD, they will include the  
4 guidance there.

5 So, SC&A recommends closing this issue.

6 MR. STIVER: Rose, this is John.  
7 Could you speak up just a little bit? I am having  
8 a real hard time hearing you.

9 CHAIR KOTELCHUCK: Same.

10 MS. GOGLIOTTI: Sorry about that. I  
11 have got my phone turned up all the way. I am just  
12 soft-spoken, I guess.

13 MR. SIEBERT: This is Scott. Just to  
14 let you know, we have already made that change and  
15 it is in the process of going over and it should  
16 be signed off relatively soon. So, it is pretty  
17 much a done deal on our side.

18 MR. KATZ: Good.

19 MS. GOGLIOTTI: Okay. So, if there  
20 are no objections, I would recommend closing that  
21 finding.

22 MEMBER MUNN: Excellent.

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1 CHAIR KOTELCHUCK: I am still having  
2 trouble -- Brad, are you still having trouble  
3 hearing Rose?

4 MR. KATZ: It's very clear and loud on  
5 my phone.

6 MEMBER BEACH: Yes, it's good on my  
7 phone.

8 CHAIR KOTELCHUCK: Okay.

9 MS. GOGLIOTTI: Okay, so that wraps up  
10 our Oak Ridge Matrix. And now we have one  
11 straggler in the SRS, Hanford. And that is Finding  
12 356.6.

13 CHAIR KOTELCHUCK: Okay.

14 MS. GOGLIOTTI: Let me just pull it up  
15 here. And here it was in the findings, it states  
16 that there was an inconsistent assignment of  
17 unmonitored environmental tritium dose. And we  
18 had some back and forth, historically, that is  
19 documented here in the DRS when this should have  
20 been applied. There was lots of back and forth but  
21 mostly NIOSH responded that essentially SC&A and  
22 NIOSH are interpreting the guidance for

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1 unmonitored workers --

2 MR. KATZ: Hold on, as we have a lot of  
3 static on the line. Can everyone but Rose mute  
4 your phones, please? Thanks.

5 Okay, go ahead, Rose.

6 MS. GOGLIOTTI: Okay, here you will see  
7 we recorded from the TBD exactly the guidance on  
8 page 85 of the TBD of when coworker dose should be  
9 assigned.

10 Here, SC&A essentially believes that  
11 coworker dose should have been assigned but NIOSH  
12 argued that if the EE was monitored for one  
13 radionuclide, then they are no longer eligible for  
14 coworker dose and only should receive  
15 environmental dose. And we recommend additional  
16 discussion on this topic.

17 MEMBER MUNN: I'm sorry. You  
18 recommend what?

19 MS. GOGLIOTTI: Additional  
20 discussion.

21 MEMBER MUNN: Oh.

22 CHAIR KOTELCHUCK: Folks want to weigh

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1 in on that?

2 MEMBER MUNN: Well, again, it seems to  
3 me that there is the statement that NIOSH has made  
4 which makes perfect sense. That they already have  
5 at least one bioassay, then it doesn't seem to me  
6 that the unmonitored worker item would apply to  
7 them unless there is a ---

8 (Telephonic interference)

9 MR. SIEBERT: This is Scott. Wow,  
10 there is a lot reverb, isn't there?

11 MEMBER BEACH: There is a ton. It's  
12 hard to hear.

13 MR. KATZ: Again, everyone but the  
14 speaker needs to mute their phone. That is how you  
15 get the reverb.

16 MR. SIEBERT: Okay.

17 MEMBER MUNN: Well, there seems to be  
18 trouble with mine, my phone. Maybe for some reason  
19 known only to God and my landline provider, I have  
20 no long distance service on the landline, so I am  
21 having to use my cell phone.

22 MEMBER BEACH: You know, Wanda, I'm

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1 having the same issue.

2 MR. KATZ: Yes, but it is Wanda's that  
3 is echoing. Wanda, are you muting your phone?

4 MEMBER MUNN: I'm using my cell phone  
5 because my land line is shot.

6 MR. CALHOUN: Ted, you are actually  
7 echoing and so was Scott.

8 MEMBER MUNN: I'll try my landline one  
9 more time but Josie is having the same problem.  
10 This may be a local problem with our provider.

11 MEMBER BEACH: Yes, Wanda, mine is not  
12 working either. So, it must be local. I was going  
13 to call on that break and find out what is going  
14 on.

15 MEMBER MUNN: Yes, I think I will  
16 probably do the same but they will tell us they are  
17 having problems and they will let us know when they  
18 are well. We're trying.

19 Meanwhile, I don't have another  
20 solution.

21 MR. SIEBERT: Well, this is Scott.  
22 What I was going to point out is the Savannah River

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1 Work Group has been working on this extensively as  
2 part of their coworker discussions. And there are  
3 going to be changes in how coworker is applied and  
4 dealing with unmonitored workers and locations in  
5 the next TBD. But I believe, and Grady can correct  
6 me if I am wrong, I don't believe any of that is  
7 fully nailed down yet. So, what we have been doing,  
8 historically, is what we have referenced here.  
9 And once all that gets ironed out and the Technical  
10 Basis Document is updated, we know there will be  
11 changes in how it is all applied. I just can't tell  
12 you specifically how the changes are going to be  
13 applied until that whole process plays out.

14 MR. KATZ: So, it sounds like, Scott,  
15 from what you are saying, this is, in standard  
16 fashion, a finding then that you table until the  
17 Work Group, or wherever it is getting resolved,  
18 resolves it.

19 MR. SIEBERT: How you guys want to  
20 handle that is entirely up to you.

21 MR. KATZ: Right and normally what we  
22 do is we then leave this in progress. We wait for

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1 the report out from whoever the deciding body is,  
2 you are saying the SRS group is addressing this.  
3 And in the meantime, it just sits there.

4 MR. SIEBERT: Right. That may or may  
5 not change with the finishing.

6 MR. KATZ: Understood.

7 MEMBER MUNN: I would suggest that we  
8 simply note on our BRS that we are awaiting the  
9 results of the Work Group's discussion.

10 MR. KATZ: Right. And Rose, just  
11 reference the SRS Work Group here.

12 MS. GOGLIOTTI: Okay, that sounds  
13 reasonable.

14 MR. KATZ: Thanks.

15 MS. GOGLIOTTI: And now actually the  
16 only other one in the SRS matrix here is also  
17 waiting for an SRS Work Group decision. So, I  
18 would recommend that we just move on to the next  
19 matrix.

20 MEMBER MUNN: Excellent.

21 CHAIR KOTELCHUCK: Louder.

22 MS. GOGLIOTTI: We will switch here --

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1 CHAIR KOTELCHUCK: Dave. I have  
2 changed phones. I have a land line.

3 MR. KATZ: Okay and Dave, did you catch  
4 all of that?

5 CHAIR KOTELCHUCK: I caught -- yes, I  
6 caught it on audio.

7 MR. KATZ: Okay, good.

8 MS. GOGLIOTTI: Okay, the next finding  
9 here that we have open in this matrix is 388.1.  
10 I'll pull this up here for a moment.

11 And here the original finding says that  
12 NIOSH did not assign 1966 recorded neutron dose.  
13 And NIOSH agreed with us here but we do have one  
14 question. Apparently they said that there will be  
15 an RFP PER following the conclusion of the TBD.  
16 And we are wondering if this particular issue will  
17 be encompassed by that PER. In cases that were  
18 adversely impacted by, I believe this is a workbook  
19 error, it would be corrected as part of that PER.

20 MR. SIEBERT: That's correct. Until  
21 the SEC process is fully complete and the TBD is  
22 completed, I can't tell you the scope of the PER

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1 and whether it will include all these cases or not  
2 but I can tell you that this is on the list of issues  
3 that we need to deal with in any PER from Rocky  
4 Flats. So, regardless of whether the PER based on  
5 the changes to the TBD reflect this specifically  
6 or not, we will be dealing with this issue.

7 MS. GOGLIOTTI: Okay. And if that is  
8 the case, we will recommend closing this issue.  
9 And actually, the same issue also applies to 388.2.  
10 It is simply a workbook issue. The workbook wasn't  
11 probably reacting to all the dose that was input  
12 into it. And NIOSH has already corrected that  
13 issue and apparently it will be covered in the PER.  
14 So, I am including that as well.

15 MR. SIEBERT: I'm sorry. Just for my  
16 notes, which ones specifically have we closed?

17 MS. GOGLIOTTI: 388.1 and this would be  
18 388.2.

19 MR. SIEBERT: Okay, I just wanted to  
20 verify. Thank you.

21 MEMBER MUNN: Do you know whether this  
22 one is also on the list?

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1                   MR. KATZ: Wanda, do you want to repeat  
2 your question?

3                   MEMBER MUNN: I said do we know if this  
4 one is also on the list to be addressed.

5                   MR. SIEBERT: It is the same issue.

6                   MEMBER MUNN: Then I think that we need  
7 to make a notation on our BRS that this has been  
8 noted by NIOSH that it is on the list to be addressed  
9 and we have nothing more to do in a case like that.

10                  CHAIR KOTELCHUCK: I was on mute.  
11 Excuse me. But Rose, when you were saying we were  
12 discussing 388.1 and what other one?

13                  MS. GOGLIOTTI: 388.2.

14                  CHAIR KOTELCHUCK: Oh, .1 and .2, okay.  
15 I don't see that on my list for this  
16 discussion on the agenda. It could be my list.

17                  MS. GOGLIOTTI: It wasn't on your list.  
18 I apologize but --

19                  CHAIR KOTELCHUCK: Oh, that's okay.  
20 That is perfectly alright. I am still having  
21 trouble. I did not get Nancy Adams' note on my CDC  
22 computer. It hasn't come in yet and I can't get

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1 in on Live Meeting. So, I am having a lot of  
2 trouble.

3 MR. KATZ: I will send you the Live  
4 Meeting connection again, Dave.

5 CHAIR KOTELCHUCK: Pardon?

6 MR. KATZ: I will send you the  
7 connection again.

8 CHAIR KOTELCHUCK: Okay, send it to my  
9 Hunter address.

10 MR. KATZ: Oh, okay.

11 CHAIR KOTELCHUCK: Well, frankly, and  
12 this is because it is very difficult sharing  
13 without an ability to --

14 MR. KATZ: Will do. Will do.

15 CHAIR KOTELCHUCK: Thank you.

16 MS. GOGLIOTTI: Okay. Now, the next  
17 open issue in this matrix is 419.2 and this is an  
18 RFP from the Lawrence Livermore and NTS case.

19 And here the finding says that there was  
20 an incomplete assessment of neutron dose at RFP.  
21 And we have discussed this previously.

22 And although NIOSH doesn't have a

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1 response directly in here in the BRS, I spoke with  
2 them offline and -- 419.1 and that hasn't been  
3 corrected yet. Nope. No, I guess --

4 MEMBER MUNN: I'm sorry, Rose. I  
5 didn't get that completely. I'm trying, which we  
6 all are trying with our phones here.

7 MS. GOGLIOTTI: I understand.

8 MEMBER MUNN: Would you repeat the last  
9 part of your last comment?

10 MS. GOGLIOTTI: Although that there is  
11 not an entry directly here in the BRS, I did contact  
12 Beth offline and I guess the response got entered  
13 into the wrong --

14 Here, the finding says that or the NIOSH  
15 response says that the claimant [identifying  
16 information redacted] at Rocky Flats and did not  
17 enter any RMA areas. Therefore, there were no  
18 monitoring or dosimeters required.

19 MEMBER MUNN: Yes, okay.

20 MS. GOGLIOTTI: And I contacted her  
21 again offline because I was curious. That is not  
22 reflected at all in this EE's file. And according

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1 to her, I believe she said Grady had contacted the  
2 EE's employer, who was a contractor -- I won't give  
3 out the name for PI information -- and they had told  
4 them that but that is not in any of the records --  
5 in that respect how dose should have been assigned.  
6 The guidance document says that if there is large  
7 gaps in the EE's dosimetry, then coworker dose  
8 would be assigned. And that was not done.  
9 However, NIOSH is arguing that it wasn't necessary.

10 So, I'm not really sure how to treat  
11 this.

12 MEMBER MUNN: So, this is Wanda. From  
13 my perspective, that we check the things from the  
14 very beginning is failure to have accurate  
15 information. There wasn't any reason for  
16 dosimetry to be used over a certain period. If the  
17 employer had the records indicating that this was  
18 the case and the employee was not being sent --  
19 going into the exposure area at all and was in fact  
20 working somewhere else at the time, then that seems  
21 to me to be a reasonable piece of information to  
22 be added to the file and to give us to make the

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1 resolution right here.

2 MR. KATZ: Right. So, this is a case  
3 of an observation, then, Rose, a correct  
4 observation that the documentation isn't in order.

5 MS. GOGLIOTTI: Well, I would point  
6 out, though, that they didn't have that information  
7 when they were making the assessment.

8 MR. KATZ: Oh.

9 MS. GOGLIOTTI: So, they failed to  
10 follow their own guidance. And then it turns out  
11 it was okay after the fact when they got more  
12 information.

13 MR. KATZ: I see.

14 MR. CALHOUN: This is Grady here. I  
15 don't want to let that go completely. Based on the  
16 era when the individual worked and based on the job  
17 descriptions that we had, we believe that that was  
18 the case. Only when it became questioned during  
19 this review did we go to get further information.  
20 And that just confirmed what our decision was  
21 already. It wasn't really just a shot in the dark  
22 like is being presented here.

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1 MS. GOGLIOTTI: The only information  
2 that we really had to go off of is RFP employment  
3 was the survivor's claim that he helped with  
4 cleanup. And it is unclear what site that might  
5 have happened at because he was employed at  
6 multiple sites. But to us that would indicate that  
7 to trigger, he may have had exposure risk.

8 MEMBER MUNN: Well, it doesn't seem to  
9 be a major problem. It is just a question of having  
10 had incomplete information at the time the file was  
11 first addressed. And further requests for  
12 additional information have revealed that it  
13 wasn't necessary at the time.

14 So --

15 MS. GOGLIOTTI: It also makes me  
16 question, if the contractor had more information  
17 why wasn't that already provided?

18 MEMBER MUNN: Yes, true.

19 What we are really and truly debating  
20 here is whether or not some standard needs to be  
21 pointed in one direction or another, not whether  
22 the case itself has been properly handled.

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1 MS. GOGLIOTTI: Correct.

2 MEMBER MUNN: Well, we feel we now have  
3 enough accurate information or at least more  
4 complete information. And the file will be  
5 handled accordingly. It is no longer an issue for  
6 us, correct?

7 MR. KATZ: Right. I mean so I would  
8 still suggest to you that this is an observation  
9 because dose reconstruction was done correctly,  
10 irrespective of whether the process followed was  
11 ideal or proper.

12 MEMBER MUNN: Additional information  
13 now confirms that the dose reconstruction was found  
14 to be done correctly, given the new information.

15 CHAIR KOTELCHUCK: Okay.

16 MS. GOGLIOTTI: Now is there a process  
17 that NIOSH seeks this information from contractors  
18 when it is not already part of the DOE file?

19 MR. CALHOUN: Typically not. I mean  
20 we can and like in this case but we typically go  
21 with whatever is provided to us by DOE and DOL.

22 MS. GOGLIOTTI: I would just be

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1 concerned that other employees might also fall into  
2 this same category.

3 MEMBER BEACH: Rose, this is Josie. I  
4 would say that would be true, especially when it  
5 is a survivor that they are talking with.

6 MS. GOGLIOTTI: Okay. Well, it has  
7 been pointed out that that might be a potential  
8 hole.

9 MR. KATZ: Right. Well, it is up to  
10 the Subcommittee to decide how you want to  
11 characterize this and close it.

12 CHAIR KOTELCHUCK: I just got back on.  
13 I finally, finally got on to the website. So, I am  
14 sort of out of this conversation. I came in in the  
15 middle. I heard -- I have been on audio all the  
16 time, of course.

17 So, do continue, folks.

18 MR. KATZ: Well, Dave, at this point,  
19 it is really up to the Subcommittee to decide how  
20 you want to characterize this. Is this a finding  
21 or an observation? And then you can close it.

22 CHAIR KOTELCHUCK: Yes. I will take

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1 advice on this because I feel like I have been too  
2 distracted trying to get on, while the meeting is  
3 going on.

4 So, I would welcome a statement from  
5 Committee Members as to whether this is an  
6 observation or finding and then simply ask for  
7 folks to vote on that.

8 So, do I have someone making a  
9 suggestion, making a motion, if you will?

10 MEMBER BEACH: Well, I think it should  
11 remain a finding, although we have additional  
12 information. The information at the time, it was  
13 the finding.

14 CHAIR KOTELCHUCK: Yes.

15 MEMBER BEACH: So I personally don't  
16 think it should go as an observation at this time.

17 CHAIR KOTELCHUCK: Okay, a comment for  
18 a finding. Do others agree it should be a finding  
19 or there is clearly disagreement? Would somebody  
20 state a case for observation for the record, if you  
21 will?

22 MEMBER MUNN: This is Wanda. I can't

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1 make a statement for an observation because I think  
2 Josie's observation was correct: given information  
3 that our contractor has to work with at the outset,  
4 it would appear to be a finding. Additional  
5 information now reveals that the dose  
6 reconstruction was performed in the correct manner  
7 in light of the new information. So, and it is  
8 closed as a result of that. That there is an even  
9 bigger sample on the record to deal with that.

10 CHAIR KOTELCHUCK: So, you would agree  
11 it is a finding?

12 MEMBER MUNN: Yes.

13 CHAIR KOTELCHUCK: Okay. Well, then  
14 are people agreed then it should be a finding, the  
15 Subcommittee Members?

16 MEMBER CLAWSON: This is Brad. I feel  
17 it is a finding.

18 CHAIR KOTELCHUCK: Okay. Any others?

19 MEMBER POSTON: This is John. I  
20 agree.

21 CHAIR KOTELCHUCK: Okay. Alright.  
22 Then, I think we should close this as a finding and

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1 go on to the next.

2 MS. GOGLIOTTI: Okay. Actually, the  
3 next finding, 419.3 and 419.4 are all related to  
4 that same issue. If you accept that there was risk  
5 of exposure, then ambient dose was assigned  
6 incorrectly and also internal dose wasn't handled  
7 correctly by that assumption.

8 CHAIR KOTELCHUCK: Okay.

9 MS. GOGLIOTTI: So, I would recommend  
10 that we close those as well.

11 CHAIR KOTELCHUCK: Okay, fine.

12 MS. GOGLIOTTI: Okay and then the next  
13 one is also part of the same case. It is 419  
14 Observation 1.

15 CHAIR KOTELCHUCK: Yes.

16 MS. GOGLIOTTI: And here we just  
17 pointed out that, although this case was done  
18 correctly and followed OTIB-5 recommendations,  
19 this particular case had a cancer that was a  
20 secondary cancer so it was treated different than  
21 primary cancers. Multiple dose reconstructions  
22 need to be done on different organs and then the

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1 highest was assigned. And that was not mentioned  
2 at all in the DR report. We did see evidence of  
3 it in the files that were presented along with the  
4 DR but it wasn't actually stated in the DR and we  
5 just felt that it should have been mentioned. And  
6 NIOSH did agree with what is here.

7 CHAIR KOTELCHUCK: Okay.

8 MS. GOGLIOTTI: So, we recommend  
9 closure.

10 CHAIR KOTELCHUCK: Alright, that  
11 sounds reasonable.

12 MS. GOGLIOTTI: It's been a standard  
13 process of not mentioning it, a secondary cancer  
14 and the additional work that needs to go into it.  
15 I believe this is the first secondary cancer we have  
16 ever reviewed.

17 CHAIR KOTELCHUCK: Aha. Scott or  
18 Grady?

19 MR. SIEBERT: Sorry, I had to get off  
20 mute. No, normally we have a blurb in there that  
21 states, as a secondary cancer, there were multiple  
22 primary cancers and the one that was used was the

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1 one that was given, again, the largest PoC.

2 MS. GOGLIOTTI: Okay, so this was an  
3 abnormality.

4 CHAIR KOTELCHUCK: Alright.

5 MS. GOGLIOTTI: Okay, I just wanted to  
6 verify that. And that would wrap up everything in  
7 our Fernald-Mound RFP matrix.

8 CHAIR KOTELCHUCK: Okay.

9 MS. GOGLIOTTI: So, we will go on to the  
10 INL-NTS matrix.

11 And turning to the first one that is  
12 open, which is 383.4 and this is an INL-NTS case.  
13 And here the finding states that NIOSH admitted one  
14 zero dose for 1965 and applied excess kidney dose.  
15 And NIOSH did agree with us that the NTS dosimeter  
16 was missing but they disagreed with the secondary  
17 part about the excess kidney zero doses.

18 We have talked about this before. And  
19 here, NIOSH went in and investigated the problem.

20 CHAIR KOTELCHUCK: I don't understand  
21 when you say zero kidney dose -- kidney zero doses.

22 MS. GOGLIOTTI: A zero would be a blank

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1 in the dosimetry file or something that would be  
2 less than half of the LOD.

3 CHAIR KOTELCHUCK: Yes.

4 MS. GOGLIOTTI: And so missed doses  
5 assigned in those cases.

6 CHAIR KOTELCHUCK: I see, okay. Okay.  
7 Go ahead.

8 MS. GOGLIOTTI: Okay. So, after NIOSH  
9 investigated, they found that SC&A was correct and  
10 that a different number of zeros was used for the  
11 prostate calculation. And it turned out to be a  
12 dose reconstructor error. They didn't save the  
13 file.

14 And so the problem has been identified  
15 and we would recommend closing this.

16 CHAIR KOTELCHUCK: Okay.

17 MS. GOGLIOTTI: And actually, the case  
18 is already going to be reworked under PER.

19 CHAIR KOTELCHUCK: Pardon?

20 MS. GOGLIOTTI: And the cases is  
21 already going to be reworked under PER.

22 MR. SIEBERT: Just for clarification,

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1 it already has been reworked under the PER.

2 MS. GOGLIOTTI: Okay.

3 CHAIR KOTELCHUCK: Oh, okay.

4 Alright.

5 MS. GOGLIOTTI: We would recommend  
6 closing that.

7 CHAIR KOTELCHUCK: Right. Okay. Any  
8 objection, folks?

9 MEMBER MUNN: None.

10 CHAIR KOTELCHUCK: Okay.

11 MEMBER BEACH: None here.

12 CHAIR KOTELCHUCK: Okay, good. Then  
13 it'll be closed.

14 MS. GOGLIOTTI: Great. And the next,  
15 383.8 is actually reported to the INL Work Group.  
16 So, we can skip that one and the next one would be  
17 387, observations.

18 CHAIR KOTELCHUCK: Pardon?

19 MS. GOGLIOTTI: The next would be 387  
20 Observation 1.

21 CHAIR KOTELCHUCK: Okay.

22 MS. GOGLIOTTI: And this is the NTS

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1 case. And about the same, NIOSH did not include  
2 any external dose supporting worksheets in the DR  
3 report files. This is an observation just  
4 pointing out that typically we do see these files  
5 and they were not provided.

6 CHAIR KOTELCHUCK: Okay.

7 MS. GOGLIOTTI: NIOSH points out this  
8 case was already compensated because it had a PoC  
9 over 50 percent. So, additional information  
10 wasn't necessary.

11 CHAIR KOTELCHUCK: Right.

12 MS. GOGLIOTTI: This was just an  
13 administrative detail. So, we would recommend  
14 closing it.

15 CHAIR KOTELCHUCK: Okay.

16 MEMBER BEACH: Agreed, absolutely.

17 MEMBER CLAWSON: Sure.

18 MS. GOGLIOTTI: Okay, the next finding  
19 is 387.1, the same case.

20 CHAIR KOTELCHUCK: Yes.

21 MS. GOGLIOTTI: The finding states  
22 that NIOSH omitted a finding supporting the photon

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1 reported dose for the year 1968. And here, after  
2 back and forth, we found out that it was just a QA  
3 error but being addressed -- it was a workbook  
4 error, essentially, and that has already been  
5 corrected.

6 And we just question if there is a PER  
7 in place that will infer that cases impacted by this  
8 workbook error are being captured.

9 MR. SIEBERT: And as we mentioned  
10 before on that previous one -- is this an NTS one?

11 CHAIR KOTELCHUCK: Yes.

12 MS. GOGLIOTTI: Yes.

13 MR. SIEBERT: Okay. There was already  
14 an NTS PER that would have caught this. So, yes.

15 MS. GOGLIOTTI: Okay.

16 CHAIR KOTELCHUCK: Alright.

17 MS. GOGLIOTTI: And the next one here  
18 --

19 MR. KATZ: Wait. So, we agree to  
20 close, right?

21 CHAIR KOTELCHUCK: Oh, yes, we did  
22 agree.

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1 MEMBER MUNN: Yes.

2 MR. KATZ: Thanks. Okay, go on.

3 MS. GOGLIOTTI: 387.2, the finding  
4 states that NIOSH omitted the findings of 65  
5 millirem beta recorded dose for the year 1968.

6 And NIOSH responded that the PoC was  
7 greater than 50 percent. It wasn't necessary.  
8 Although it wasn't necessary for the compensation  
9 decision, it does appear to be an unintentional  
10 omission because other years were assigned  
11 recorded beta dose. So, this particular result  
12 was just omitted from the dose reconstruction.

13 CHAIR KOTELCHUCK: Okay. So, it is a  
14 quality assurance.

15 MS. GOGLIOTTI: Yes.

16 CHAIR KOTELCHUCK: Yes, okay.

17 MEMBER CLAWSON: Close.

18 MEMBER BEACH: Agree to close.

19 CHAIR KOTELCHUCK: Closed.

20 MS. GOGLIOTTI: Thank you. Finding 3,  
21 NIOSH used an overestimating uncertainty factor  
22 and, of course, this claim was compensated so it

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1       should not include overestimating factors. And  
2       NIOSH does agree the overestimating factor of two  
3       was incorrectly applied to this case. It should  
4       have used 1.23. But since beta dose is such a minor  
5       component of the overall dose, they don't feel that  
6       it had a significant impact.

7               So, essentially, this is a QA issue and  
8       it didn't impact compensation. So, we would  
9       recommend closing.

10              CHAIR KOTELCHUCK:  Alright.

11              MEMBER BEACH:  Agree.

12              MEMBER MUNN:  Yes.

13              MS. GOGLIOTTI:  Okay.  And so the next  
14       finding, same case, Finding 4 is that NIOSH did not  
15       assign beta dose for 1961 through 1965.  And NIOSH,  
16       again, responded that PoC was greater than 50  
17       percent.  It was not necessary.

18              CHAIR KOTELCHUCK:  Okay, same issue.  
19       Observation:  quality assurance.  It seems to be  
20       clear.

21              MS. GOGLIOTTI:  Okay.

22              CHAIR KOTELCHUCK:  Unless folks

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1 disagree.

2 MEMBER BEACH: Well, I agree but I have  
3 a question. If it wasn't compensated, that dose  
4 would have been added. Is that correct?

5 CHAIR KOTELCHUCK: Yes. Yes, sure.

6 MR. CALHOUN: And there has actually  
7 been some changes to that workbook, like we said,  
8 that make it -- it is a little bit more  
9 user-friendly now and it actually, I am going to  
10 say technically poorly here but it reaches out and  
11 grabs the doses from the individual years that are  
12 input and this was done so long ago that that kind  
13 of more advanced workbook options weren't there but  
14 they are getting worked into the new workbooks as  
15 we develop them and revise them.

16 MS. BEHLING: This is Kathy Behling.  
17 So, this was a workbook error and this was covered  
18 under that initial PER?

19 MR. SIEBERT: Well, this is a  
20 compensable claim that wouldn't be covered under  
21 PER.

22 MS. BEHLING: No, I mean if it was a

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1 workbook error, it is going to impact other cases  
2 other than this. And you indicated that because  
3 of a workbook error, there was a PER issued and I  
4 assumed that this beta dose issue was also  
5 addressed in that.

6 MR. SIEBERT: No, there was a separate  
7 NTS PER that was recently completed that would have  
8 included these claims. So, yes.

9 CHAIR KOTELCHUCK: Alright, we will  
10 close this.

11 MS. GOGLIOTTI: Okay. The next  
12 finding, same case, Finding 5, a case that NIOSH  
13 omitted photon doses for 1963 and gave the  
14 incorrect MDL for 1971.

15 And this is kind of an interesting case.  
16 The original case was done and included 1963  
17 because there is dosimetry records indicating that  
18 the EE worked at the site in 1963. However, the  
19 claim was actually reworked to remove 1963.

20 MR. KATZ: I'm sorry, Rose, to  
21 interrupt, but someone is not muted and we can hear  
22 sirens and so on.

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1                   Okay, go on, Rose.

2                   MS. GOGLIOTTI:   Okay.   So, the case  
3                   was reworked to remove 1963 because that is not a  
4                   covered year for the site.

5                   And so I guess this is where the  
6                   confusion lies since most of the DOE records show  
7                   1963 as being a covered year but when we reworked  
8                   those files, obviously they don't get updated  
9                   because they were historical at that point.

10                  And so to us it appeared that 1963  
11                  should have been covered when it was actually  
12                  removed intentionally.

13                  CHAIR KOTELCHUCK:   Well, this is Dave.  
14                  But at a formal level, we only look at what DOL  
15                  verifies.   So, even though it may have been a DOL  
16                  error, if we did not catch it, then we have to abide  
17                  by what DOL said, in which case to my mind this  
18                  wouldn't even be -- this would be an observation  
19                  and a correct one, it appears to me.   But I don't  
20                  even see this as a finding in terms of the coverage  
21                  of 1963.

22                  MEMBER MUNN:   Well, I would agree with

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1       you in 20/20 hindsight but at the time the case was  
2       being worked, it would appear to have been an  
3       omission. It is a logical thing to want to change  
4       it as a finding. And if afterwards, we made  
5       decision it is not a covered year and that is --  
6       but perhaps I am misunderstanding what you  
7       discussed.

8                   CHAIR KOTELCHUCK: Well, there is the  
9       1963 issue and then there is the 1971 issues, which  
10      cover, if you will, handle the covered period. And  
11      that part of it seems to me to be a finding. I just  
12      would -- let's put it this way. I just don't see  
13      the first line 1963 as something that is material  
14      for a finding. But the other part is, I guess. It  
15      is.

16                   MS. GOGLIOTTI: If I could add  
17      something, I guess the thing that is a red flag in  
18      my mind is this is not an AWE site. Project Gnome  
19      was a nuclear explosion site.

20                   So, if there is evidence that the EE was  
21      working there past the covered years, that, to me,  
22      is a flag but there was likely work going on outside

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1 of the covered period of time.

2 MR. CALHOUN: Okay, this is Grady.  
3 Let me clarify this a bit.

4 CHAIR KOTELCHUCK: Okay.

5 MR. CALHOUN: If we are doing the case  
6 that we know is comp, we cannot include dose from  
7 a year that has not been verified by Labor. If this  
8 case was going non-comp, we could send that  
9 information back to Labor and say hey, we have got  
10 good information that this was a covered year and  
11 they will almost always add that to the covered  
12 employment.

13 But because this is a comp case, we  
14 cannot include that dose.

15 MS. GOGLIOTTI: My question was more  
16 from a larger perspective. If this EE was on-site  
17 at that time, then work must have been going on at  
18 that time as part of the DOE mission.

19 CHAIR KOTELCHUCK: But this is -- this  
20 was compensated. Because it was compensated, it  
21 was -- we just can't -- properly, we cannot deal  
22 with your observation that there was work going on

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1 in '63. I agree.

2 MS. GOGLIOTTI: I agree with you on  
3 that but I am thinking about the broader picture  
4 of other employees that may have been working  
5 on-site at that time.

6 CHAIR KOTELCHUCK: Aha. Then, if they  
7 were not compensated, as Grady said, they would  
8 send it back to DOL. But presumably, all those --  
9 Grady, everybody was compensated, right, on that  
10 one? Everybody working at that site.

11 MS. GOGLIOTTI: This individual was  
12 compensated.

13 MR. CALHOUN: Here is what she is  
14 looking for, Dave. The covered period approved by  
15 -- the official covered period ends on June 30th,  
16 1962. And there is dosimetry information from  
17 1963. What she is looking for is a request from  
18 us or DOL or somebody to reevaluate the covered  
19 period -- I believe that is what she is looking for  
20 --

21 MS. GOGLIOTTI: That is exactly right.

22 MR. CALHOUN: -- to include 1963.

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1           Now, this dosimetry very well could  
2           have been issued by a different site. I guess it  
3           is actually NTS. And I am not going to guess that  
4           it was issued by NTS and he was working somewhere  
5           else, but that could have been the case, too.

6           But it really is -- the bigger point,  
7           it is irrelevant to this case. It can go on but  
8           I see what she is looking for.

9           CHAIR KOTELCHUCK: Right. But and my  
10          question to you was would any case be affected by  
11          going back to DOL for this.

12          MR. CALHOUN: If DOL decided that there  
13          was additional employment to be covered, it would  
14          be up to DOL to send that information to us and to  
15          begin considering that as covered employment.

16          I mean, there is a chance that DOL could  
17          send us a case and never even mention those dates.  
18          So, sure, but I don't want to pass the buck here  
19          but it is really a DOL issue.

20          CHAIR KOTELCHUCK: There is even a  
21          possibility, and logically there is a possibility  
22          that if work was going on in '63 in this case, that

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1 somebody could have missed being compensated  
2 because they didn't work 250 days. Yes?

3 MR. CALHOUN: But Project Gnome I don't  
4 believe is SEC. NTS is, but Project Gnome is not.

5 CHAIR KOTELCHUCK: Aha. Aha.

6 MR. KATZ: In any event -- this is Ted  
7 -- I don't see how this gets construed as a defect  
8 in this dose reconstruction case.

9 MR. CALHOUN: Exactly.

10 MR. KATZ: I do not see that.

11 MS. GOGLIOTTI: Yes, for the 1963, I  
12 agree that was an error on our part that we missed  
13 because the files don't clearly indicate that would  
14 happen even if you read deep into the DOL files.

15 However, the 1971 was still valid, I  
16 believe.

17 CHAIR KOTELCHUCK: Yes, it appears  
18 that seems to be the case.

19 And that would qualify as an  
20 observation. The question is what we do with that  
21 first sentence. Do we effectively eliminate  
22 consideration of it? Do we delete it or do we send

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1 a note back to DOL in case it might affect other  
2 cases?

3 And if there is any question, it seems  
4 to me I would go back and ask for DOL, unless one  
5 is certain that everybody who might be affected by  
6 that is compensated. If there are any cases that  
7 are not compensated, then, say on Project Gnome,  
8 then I think we have an obligation to go back to  
9 DOL and ask them to verify.

10 MR. CALHOUN: Oh my. This is  
11 completely beyond what we are doing here, I think.

12 MEMBER MUNN: We are really way off.

13 MR. CALHOUN: Yes, I mean this is  
14 getting into covered periods at facilities and I  
15 don't know.

16 CHAIR KOTELCHUCK: Well, alright.  
17 This is not a dose reconstruction review. Our  
18 committee is Dose Reconstruction Review. This  
19 issue is not a review issue. It is not in our  
20 mandate.

21 So, I am perfectly -- is it in somebody  
22 else's mandate and whose?

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1                   MEMBER MUNN: Well, whether it is or is  
2 not, it is not in our purview. There is no question  
3 about that. And anything other than -- we can't  
4 conjecture what if and what if not. We can only  
5 work with the information available to us. That  
6 is what we have done. We have looked at the case.  
7 We have reached a conclusion from our experience,  
8 there is no reason to indicate that it was not  
9 handled properly, given the information that is  
10 available to us.

11                   And if there isn't more information to  
12 be gained, anything else is administrative or in  
13 some way outside the realm of that finding and doing  
14 what is necessary to be done in this specific case  
15 that has been done.

16                   CHAIR KOTELCHUCK: Well, I have to  
17 agree it is outside of our mandate. Absolutely,  
18 I acknowledge that.

19                   Can I ask you, Ted, is this -- as our  
20 DFO, what -- we happened on something that is  
21 outside of our purview but that may be of some  
22 concern in terms of affecting compensation in some

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1 cases.

2 MR. KATZ: I mean, I just -- this is a  
3 question for Grady. But it seems to me if they  
4 received another case where their dose is in '63  
5 and that case is not compensable, whereas this was,  
6 they would follow that normal procedure of going  
7 back and saying, DOL, we have doses in a year that  
8 doesn't appear to be part of the covered period.

9 I mean this wasn't and they didn't but  
10 if they received another case, they would, right?

11 MR. CALHOUN: Yes, this is Grady.  
12 Yes, we would do that.

13 And how about this? How about I go back  
14 and I will look at this case and look at the records  
15 but let's completely divorce it from this committee  
16 and this case. And I can get back with some people  
17 offline and see if there is something we can do but  
18 let's just keep it out of what we are doing right  
19 now.

20 CHAIR KOTELCHUCK: I think that sounds  
21 like a fine suggestion, as long as somebody  
22 responsible is keeping an eye on an issue that has

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1       come up. But as far as the committee goes, that  
2       is not -- this is outside of our mandate.

3                But it is an observation, we agree --  
4       excuse me -- a finding, we agree, the rest of it.  
5       And it is a finding that we would approve, right?

6                MR. KATZ: If you could just repeat  
7       what is the finding that you are supporting.

8                CHAIR KOTELCHUCK: The 1971. The two  
9       lines, it is an underestimating measure.

10               MEMBER MUNN: Yes, and we are following  
11       the mitigation slope.

12               CHAIR KOTELCHUCK: Right. And,  
13       Grady, thanks for checking it out and you will do  
14       what is appropriate and responsible.

15               So, can we go on?

16               MEMBER BEACH: Yes.

17               CHAIR KOTELCHUCK: Good. Okay.

18               MS. GOGLIOTTI: Okay, so the next  
19       finding is Finding 6 from the same case. Based on  
20       NIOSH's views, the primary beam for face and neck  
21       cancers and that is in reference to x-ray, medical  
22       exposure.

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1           And there was some disagreement about  
2           which revision was used for PROC 61. We believe  
3           NIOSH used PROC 61 Rev. 1, which was from 2006.  
4           However, Rev. 2 is from 2008 and Rev. 3a is from  
5           2009, that would indicate they should have used a  
6           different -- well, it was a different area than what  
7           was selected. And both of those were issued after  
8           the DR was completed -- or were issued before the  
9           DR was completed. I'm sorry. And so it should  
10          have superseded Rev. 1.

11           And that is only important because this  
12          case had a PoC of just slightly greater than 50  
13          percent. However, this particular issue wouldn't  
14          impact compensation when we consider --

15                   CHAIR KOTELCHUCK: Pardon?

16                   MS. GOGLIOTTI: This issue wouldn't  
17          adversely affect compensation when you consider  
18          all the other findings in this case.

19                   CHAIR KOTELCHUCK: Response?

20                   MR. CALHOUN: I agree with that.

21                   CHAIR KOTELCHUCK: Okay.

22                   MR. SIEBERT: This is Scott. Just one

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1 clarification. The Rev. 3a, the letter revisions  
2 that are in the record are not actually approved  
3 versions of our document. They are only the  
4 numbered revs. So, that is an interim document  
5 that was being worked on during that time frame so  
6 that that should not be compared to any dose  
7 reconstruction. It should only be the official  
8 version.

9 MS. GOGLIOTTI: Really? Okay.  
10 Interesting.

11 So, if we see a lettered revision, we  
12 should disregard it? Is that what I am hearing?

13 MR. SIEBERT: I am honestly wondering  
14 how you got a lettered version, to tell you the  
15 truth because that is an internal process.

16 DR. BUCHANAN: Okay, Dave, this is Ron  
17 with SC&A. The rev below it was issued before the  
18 DR and it would have lowered the dose. And 3a would  
19 lower the dose also. But if you use the Rev 2  
20 before it, it still would have used a different exit  
21 dose instead of entrance dose. So, it would have  
22 been less dose assignment.

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1                   MR. SIEBERT:    Right.  I don't think  
2                   Grady and I are arguing about the Rev. 2 version.  
3                   It is just I want to point out the Rev. 3a is not  
4                   an official version.

5                   DR. BUCHANAN:    Okay, that is good to  
6                   know because we were not aware of that.

7                   MEMBER MUNN:    That sounds reasonable.  
8                   And so Rose's question was a good one, one that  
9                   should be taken to heart.  If you have a lettered  
10                  version, it is an internal, not official, and not  
11                  ever been used version.  It should not be used,  
12                  relied upon for decision with regard to how this  
13                  was handled.

14                  That is something I didn't know.  Of  
15                  course that is because it is an internal document  
16                  and we haven't seen them before.

17                  MR. SIEBERT:    Well that is kind of the  
18                  question.  How was this document obtained?

19                  MEMBER MUNN:    Exactly, yes, how it got  
20                  into the file.  But nevertheless, that is, again,  
21                  not in our purview.

22                  CHAIR KOTELCHUCK:  So that the issue of

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1 3a is not for our consideration.

2 MEMBER MUNN: That's correct, at least  
3 from my point of view.

4 CHAIR KOTELCHUCK: Right.

5 MR. SIEBERT: I just wanted to point it  
6 out for SC&A for the future.

7 MEMBER MUNN: Yes.

8 CHAIR KOTELCHUCK: Fine but where does  
9 that leave --

10 MR. KATZ: So, the finding is still  
11 affirmed because Rev. 2 would have done the same  
12 thing, lowered the dose.

13 CHAIR KOTELCHUCK: I see.

14 MR. KATZ: The finding is still  
15 affirmed, it is just this issue of Rev. 3a. It is  
16 sort of an internal issue.

17 CHAIR KOTELCHUCK: Okay, right.  
18 Okay, so Rev. 2 would have done the same. Okay.

19 Then is it a finding that we approve,  
20 folks? It sounds like it.

21 MR. KATZ: Yes, I think so because  
22 NIOSH agrees.

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1 CHAIR KOTELCHUCK: Yes. Yes, there is  
2 agreement.

3 Okay, folks, unless I hear objection,  
4 then we will approve.

5 MEMBER MUNN: Yes.

6 CHAIR KOTELCHUCK: Okay.

7 MS. GOGLIOTTI: Okay, the next case  
8 with Finding 7 that says NIOSH omitted tritium  
9 bioassay data for 1963. So, this is essentially  
10 the same issue as 5. So, I would recommend closing  
11 this as well.

12 CHAIR KOTELCHUCK: Okay.

13 MEMBER MUNN: Done.

14 CHAIR KOTELCHUCK: Agreed.

15 MS. GOGLIOTTI: Finding 8, the same  
16 case. It says that NIOSH did not address the 1967  
17 bioassay data for fission products. And NIOSH,  
18 again, came back and said that the PoC was greater  
19 than 50 percent.

20 And we agree that it wouldn't impact  
21 compensation decisions but we believe it is still  
22 appropriate to acknowledge the bioassay results

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1 and indicate why it was omitted from the DR in the  
2 DR report.

3 CHAIR KOTELCHUCK: Okay. It sounds  
4 reasonable.

5 MR. KATZ: Well, can I be clear about  
6 that one, though? I mean it is not they did that  
7 on purpose because it is not necessary dose. Is  
8 that a defect or not?

9 MR. CALHOUN: That would be an  
10 observation I would think or just an area for  
11 improvement or something.

12 MR. KATZ: I mean that is how we treated  
13 problems with the DR report versus problems with  
14 the DR.

15 CHAIR KOTELCHUCK: Yes, that's true.

16 MS. GOGLIOTTI: From our perspective,  
17 we always point out when things are missing and we  
18 don't know if it was intentionally omitted from the  
19 dose reconstruction and I am still not positive  
20 that it was intentionally omitted.

21 MEMBER BEACH: Well and just because it  
22 didn't impact this case --

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1                   MR. KATZ:    Okay, I mean there is --  
2                   again, that is a question for NIOSH as to whether  
3                   this was an intentional omission or whether --

4                   MR. CALHOUN:  Well, the fact the matter  
5                   is, is maybe we could have been clearer in the DRs  
6                   and what we do now is a lot of times what you will  
7                   see is you will see there was no need to include  
8                   internal dose because the external dose was  
9                   sufficient, blah, blah, blah.  And we could have  
10                  been clearer there but calling this a finding  
11                  really doesn't make sense because we can't include  
12                  all of the reasons for stuff that we don't do in  
13                  a DR.  We like to include stuff that we do do,  
14                  especially when it is a comp case.  So, that is just  
15                  where we stand.

16                  And although you are not convinced that  
17                  we did it intentionally, that will never get  
18                  resolved, other than, I believe, we did omit it  
19                  intentionally.

20                  So, it is a comp case, I believe that  
21                  it is an observation and could have done better in  
22                  describing what we omitted and we do that now a

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1 little bit more consistently.

2 CHAIR KOTELCHUCK: Okay. I am buying.  
3 I buy the argument that it is an observation. I  
4 think it is a perfectly good position. It is the  
5 report that we are concerned about, not the actual  
6 dose reconstruction.

7 MEMBER MUNN: Well, but there is  
8 another thing, another issue here also. It seems  
9 to me that we, as a Subcommittee, need to get  
10 comfortable with the fact that if we are going to  
11 do accelerated kinds of processes like we have done  
12 for years and this is why we take a view that we  
13 just simply accept the fact that we can pointedly  
14 know something is compensable, missing all of the  
15 things that are also there that you didn't look at.  
16 You know, what does that really achieve for us  
17 except where we are dealing in administrative  
18 activity ten years after the fact being able to say,  
19 well, tsk-tsk, why didn't we say this; why didn't  
20 we say that.

21 Are we not comfortable with doing  
22 accelerated dose reconstruction? There is no

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1 reason why we shouldn't, if we are going to  
2 compensate on one, then why do we have to list  
3 everything that we did not take into consideration?

4 CHAIR KOTELCHUCK: Right.

5 MEMBER MUNN: The whole point was to do  
6 it as quickly as possible, once we know it is  
7 compensable.

8 CHAIR KOTELCHUCK: I agree.

9 MEMBER BEACH: But the point is if it  
10 wasn't compensable, would they have still added  
11 that dose?

12 MR. KATZ: I mean I think, Josie, I  
13 think we have to credit -- actually they have been  
14 very honest about their QA errors when they have  
15 QA errors and I think you have to give them the  
16 benefit of the doubt that they are speaking  
17 truthfully. I mean we all know there is efficiency  
18 processes used on many, many cases. And they are  
19 saying that is what they have done here and I think  
20 you have got to credit that.

21 MS. BEHLING: This is Kathy Behling.  
22 Just one additional item. This particular case

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1 did have eight findings and three of the earlier  
2 findings were external doses that were also  
3 omitted. And so I guess once we got to the internal  
4 portion and we saw some additional dose that was  
5 omitted, we started to question whether these were  
6 intentional or unintentional, maybe question who  
7 did this particular dose reconstruction and some  
8 of the other issues. That's the only thing I want  
9 to point out, that there were a lot of other  
10 omissions in this particular dose reconstruction.

11 CHAIR KOTELCHUCK: But I think one has  
12 to -- I think it is proper to assume once it hits  
13 50 percent PoC that other things simply are not  
14 pursued and that the benefit of the doubt is given,  
15 in this case, to the folks doing the dose  
16 reconstruction. That is to say, I think SC&A  
17 should have or should try in the future to have  
18 observations -- have statements like this be  
19 observations. Which is to say, you presumably --  
20 you know that it is compensated.

21 MS. BEHLING: At what point does NIOSH  
22 know that it is compensated, in the external

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1       portion already? This is very close. It is just  
2       over the 50 percent.

3               MR. CALHOUN: Well, it is an iterative  
4       process. It is like, well, we start doing the dose  
5       reconstruction and then run a PoC. And once it  
6       becomes over 50 percent, we are done.

7               MS. BEHLING: Right. I understand.

8               CHAIR KOTELCHUCK: I would suggest  
9       that SC&A give the benefit of the doubt to NIOSH  
10      and that they simply -- by all means, if you wish  
11      to record it, record it. But it is strictly an  
12      observation.

13              MEMBER RICHARDSON: This is David  
14      Richardson. I guess I disagree. I think we are  
15      asking SC&A to play this role of questioning  
16      omissions to flagging it, to question the logic of  
17      how things are done.

18              I mean if there is omissions early on  
19      and they don't yet know that they are at 50 percent,  
20      to say that they shouldn't be flagged as potential  
21      omissions with not knowing where the case is going  
22      seems to me like -- we can discuss it afterwards

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1 but I think we are asking them to kind of just kind  
2 of turn a blind eye to things seems like a waste  
3 of our time.

4 CHAIR KOTELCHUCK: No, an observation  
5 is not turning a blind eye.

6 MEMBER BEACH: But Dave, without  
7 documentation as to why it was omitted -- and I'm  
8 not saying NIOSH is not honest or dishonest but I  
9 still think it should be a finding.

10 CHAIR KOTELCHUCK: Let me understand.  
11 When SC&A is going over and reviewing this, do they  
12 know what the PoC was and that it was compensated?

13 MS. GOGLIOTTI: Yes, we do know that.

14 CHAIR KOTELCHUCK: Then --

15 MS. GOGLIOTTI: Well, I guess from our  
16 perspective, Dave, this was not an 80 percent PoC  
17 that is clearly an overestimating case -- or an  
18 underestimating case. I'm sorry. This is a close  
19 to 50 percent case.

20 CHAIR KOTELCHUCK: Okay.

21 MS. GOGLIOTTI: It falls in more of a  
22 best estimate.

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1 MS. BEHLING: And I guess we also ask  
2 these questions about omissions not specifically  
3 only for this particular case but to determine is  
4 there a systemic issue here. Should we be  
5 questioning if this is perhaps impacting other  
6 cases?

7 And so especially in this particular  
8 case, because the NTS workbook, up front early on,  
9 as NIOSH admits to, was not the best workbook, there  
10 seems to be some errors here. We were not  
11 necessarily aware of that. And so you don't know  
12 if it is just a dose reconstructor that didn't look  
13 at the records close enough or if it is a workbook  
14 issue. So, I think we feel we need to ask them  
15 these questions to determine if it goes beyond this  
16 particular, whether this case is compensated or  
17 not. It may impact others. That is, I think, a  
18 lot of the times what SC&A tries to consider.

19 MR. KATZ: Dave, this is Ted. And I  
20 agree with all that that was just said from Dave,  
21 David, and also from Kathy. My only point is that  
22 when you come to the discussion of it in the

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1        Subcommittee where some of the doses -- I mean I  
2        don't think SC&A can know in advance what was  
3        intentional or not and I think it is fine for them  
4        to initiate this as a finding but once you have a  
5        Subcommittee discussion and NIOSH says we  
6        intentionally omitted that, I think we should trust  
7        them that they are telling the truth because they  
8        have been very open in admitting where it was a QA  
9        problem and it wasn't that they intended to omit  
10       it or it was workbook problems.

11                    That's all I'm saying. And so --

12                    CHAIR KOTELCHUCK: So you are saying  
13        that at this stage, at this point --

14                    MR. KATZ: Yes.

15                    CHAIR KOTELCHUCK: -- it is the  
16        Subcommittee that should turn this into an  
17        observation but that it should not have been turned  
18        into an observation earlier, or frankly isn't  
19        necessary to suggest that SC&A --

20                    MR. KATZ: Yes, that's all I am saying.  
21        I think this is the appropriate point because this  
22        is when NIOSH has a chance to respond and you find

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1 out. This has happened many times. We have had  
2 many cases like this.

3 CHAIR KOTELCHUCK: Yes.

4 MEMBER MUNN: And that is another case  
5 here. That is one of the things that seems to be  
6 at issue here. Dose reconstructors can specify  
7 but the concern is did you or did you not consider  
8 other things. The point is, once it is over 50  
9 percent, even if it is just slightly over 50  
10 percent, it is fine for us to review it  
11 administratively and act was would be implied.  
12 This case was compensated based on a numerical  
13 analysis that shows they were going to have more  
14 exposure than was necessary to be compensated.

15 And whether you review other things or  
16 not doesn't mean that you are ever going to go back  
17 from that. Your decision has been made to  
18 compensate this person. And regardless of the  
19 esoteric arithmetic issues later, you are not going  
20 to encounter something that will withdraw. Either  
21 the calculations are -- you are not going to reduce  
22 the dose.

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1                   If it were slightly under, I think there  
2                   would be a valid argument. But as long as it is  
3                   even the slightest bit over, there is not a valid  
4                   argument for SC&A to look at it.

5                   CHAIR KOTELCHUCK: So -- go ahead.

6                   MEMBER BEACH: Dave, this is Josie.  
7                   I'm sorry, I can't agree with that, only because  
8                   I didn't clearly hear from NIOSH that it was an  
9                   omission intentionally, and there were so many  
10                  other omissions on the external and internal and  
11                  it was such a close number to the PoC.

12                  MR. CALHOUN: Okay, here's the deal.  
13                  This thing was completed in March of 2009. And I  
14                  can't -- I assume -- all I can do is assume that  
15                  it was done intentionally. And, you know, I don't  
16                  know, based on all this discussion and all the work  
17                  we had to do, I mean, just call it a finding and  
18                  move on, you know? It's not worth arguing.

19                  CHAIR KOTELCHUCK: Well, let's put it  
20                  this way, I think, as a Subcommittee, we have a  
21                  responsibility beyond your -- even though I respect  
22                  your feeling of just forget about it.

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1                   Also, I think this is proper for -- this  
2                   kind of discussion is absolutely proper for the  
3                   Subcommittee. And I still feel like it should be  
4                   an observation, but I base it, David, on what you  
5                   have said. I do agree that it is not up to me to  
6                   criticize, as a Board Member, to criticize SC&A for  
7                   listing it. Everything they see they need to put  
8                   down and we will decide whether it is an observation  
9                   or a finding.

10                   MEMBER RICHARDSON: I had one further  
11                   thing.

12                   CHAIR KOTELCHUCK: Sure.

13                   MEMBER RICHARDSON: I really -- I have  
14                   no desire to engage in discussion about intent.  
15                   You know, I have no basis for evaluating it. It's  
16                   just a gut feeling, like everybody who is on the  
17                   call. So, and I would suggest that we move away  
18                   from evaluation of intention. What we are looking  
19                   for is logic and clarity, and if there are questions  
20                   about things which already -- issues of fact, then  
21                   those are the things that we note and record.

22                   And I also -- we have a responsibility

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1 to make sure that things are done in a way which  
2 is fair, and that means fair to all parties  
3 involved. So, if there are errors that are made  
4 that lead to judgments that we're falsely  
5 compensating people, those would be errors also of  
6 concern. So I think the fact that you say, well,  
7 it exceeded 50 percent and so we really don't want  
8 to bother about the logic of how we got there and  
9 we close the book because we're never turn back on  
10 that. Part of our role is to evaluate is there a  
11 reproducible and consistent and fair process by  
12 which we are getting to make a decision. I think  
13 we need to scrutinize most cases that are above 50  
14 percent, as well as those below.

15 And the fact that there's -- we can flag  
16 out a series of problems in a case, means that we  
17 need to look at the case. And I actually agree with  
18 the question of, when there are more problems, we  
19 begin to kind of want to look more clearly at where  
20 we have ended up.

21 MEMBER MUNN: Well, you have just  
22 answered my question. My original question was,

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1 are we ever going to be comfortable with the fact  
2 that it's okay to do these accelerated cases? And  
3 your answer is no.

4 MEMBER RICHARDSON: Comfortable with  
5 what?

6 MEMBER MUNN: With handling  
7 accelerated cases by accepting the fact that we  
8 don't have to look at everything once we've looked  
9 at --

10 MEMBER RICHARDSON: No, that's not  
11 what I said. I said when there are errors along  
12 the way -- I mean, if somebody wants to clearly say,  
13 "I evaluated just the external dose and not the  
14 internal dose because I was at this point," then  
15 there would be a record there. This was the  
16 process. There is no reason to go into the second  
17 part of this or to reconstruct the medical doses.  
18 That doesn't flag out anything as erroneous.

19 But when a portion of the dose which has  
20 been reconstructed has errors, then it does seem  
21 to me that this is what we were given and we should  
22 look at it.

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1 MS. GOGLIOTTI: And I do want to point  
2 out that NIOSH has called that out now. This is  
3 an historical issue.

4 CHAIR KOTELCHUCK: Well, that's good.

5 MEMBER CLAWSON: This is Brad. You  
6 know, I agree on all sides of this. And we've kind  
7 of put SC&A in a difficult situation.

8 And Wanda's comment about us not  
9 accepting it, we do accept it and one of the things  
10 I want us all to look at is that, because of these  
11 issues, NIOSH has changed their process, and when  
12 they hit this 50 percent they have now stated in  
13 their process that they are admitting these things  
14 because it has gone past the 50 percent, which makes  
15 it easier for us. It makes it easier for SC&A  
16 because we set into this situation, we're asking  
17 SC&A to go in there and dig through this and lay  
18 out everything that is there. And they don't stop  
19 at 50 percent. They do the whole thing.

20 And as far as being a finding or being  
21 an observation, I will honestly tell you it does  
22 not matter one way or the other to me. It's just

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1       that we are addressing the issues, and that if it  
2       wasn't a compensated case, that these people, that  
3       they would still go through the process, and all  
4       this information is there to be able to help them  
5       do the right dose reconstruction.

6               My bottom line is making sure that the  
7       people are getting the best dose reconstruction  
8       that they can. And I will simply say that I  
9       honestly believe that NIOSH does the best job that  
10      they can. And we are all in a difficult situation,  
11      but coming into something like this, we need to be  
12      able to address the whole picture, not just half  
13      of it.

14             And I think -- I could care less what  
15      we call it. I don't want to ever say that NIOSH  
16      has done a failure job or whatever, or SC&A. What  
17      I want to make sure is that SC&A brings us something  
18      and that we address everything.

19             CHAIR KOTELCHUCK: Well, Brad, maybe  
20      I'm sensitive to the fact that I've been spending  
21      a lot of time on this report to the Secretary. And  
22      there's no question in my mind that if SC&A finds

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1 many findings, that seems to suggest that NIOSH is  
2 perhaps not doing its job in the way that  
3 observations don't reflect on NIOSH. So, findings  
4 do reflect on NIOSH administratively.

5 Now, in terms of people getting  
6 compensated, which I agree, that is the first and  
7 most important thing, this issue has been resolved  
8 at the current time, in that there's a statement  
9 in there that 50 percent was achieved and,  
10 therefore, no further work was done, or something  
11 to that effect.

12 So, but I, personally, feel like it does  
13 make a difference whether you say observation or  
14 finding. And it's since writing with that report  
15 and working on that that I have been more sensitive  
16 to the issue of observation versus finding.

17 MEMBER CLAWSON: And I understand  
18 that, Dave. And I have no problem with this being  
19 an observation. I really do, because I don't see  
20 that -- I see what NIOSH has done, but on the other  
21 hand, we call out our contractor to do a certain  
22 job and they just want to make sure that all of these

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1 -- because we're not looking at it as basically this  
2 one case. We're taking a small portion of all the  
3 cases that we are doing and we're making sure that  
4 these small cases, this small portion that we do,  
5 covers for everybody, that we are looking at all  
6 the information.

7 And I understand with this case, but I  
8 have had to look at it as an overall picture for  
9 all cases. Are we making sure that this information  
10 is getting fed in there?

11 CHAIR KOTELCHUCK: And it is proper to  
12 do so. Let us resolve this.

13 MR. CALHOUN: Hey, let me clarify  
14 something just a little bit.

15 CHAIR KOTELCHUCK: Okay.

16 MR. CALHOUN: Okay? And I'm not going  
17 to say any names here because I'm just looking at  
18 the DR.

19 It says this dose reconstruction was a  
20 partial dose reconstruction, an external dose  
21 received by whoever. It was not necessary to  
22 perform a dose reconstruction of internal dose

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1 received from those cancers. A full dose  
2 reconstruction for the reported dose is an  
3 underestimate for claim determination purposes.

4 So, that's actually in there in the  
5 summary of the latest dose reconstruction.

6 MS. GOGLIOTTI: Did that happen after  
7 our review? I'm sorry. Because there was  
8 internal dose in this dose reconstruction.

9 MR. CALHOUN: Yeah, this one was the  
10 2008 version that I'm looking at.

11 MS. GOGLIOTTI: -- version we  
12 reviewed, because I know for a fact that --

13 MR. CALHOUN: I don't know. Is that  
14 the one you reviewed?

15 MS. GOGLIOTTI: I'd have to go to --

16 MR. CALHOUN: There was a 2009 one,  
17 too. And let me go down here and see what that one  
18 says.

19 MS. BEHLING: Our review was in 2013.  
20 So --

21 MR. CALHOUN: Yeah, but I'm just  
22 looking at -- the very last one was '09. Yeah, see,

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1 the last one it just says this reported dose is an  
2 estimate. It doesn't say that we intentionally  
3 omit it. So, we definitely could have done a  
4 better job of describing it in the last one.

5 MS. BEHLING: Well, we would have used  
6 the 2009 version because our review was in 2013.

7 MR. CALHOUN: Right. That's why I was  
8 saying I think we definitely could have done a  
9 better job of describing what we did and didn't do.

10 CHAIR KOTELCHUCK: I'd like to move  
11 that we call this an observation. And people do  
12 disagree or may continue to disagree. Let's just  
13 choose up and down.

14 So, how about those who support calling  
15 this an observation, please say aye or please  
16 report your --

17 MEMBER CLAWSON: Dave, each one of us  
18 may need to report for ourselves. I say that this  
19 can be classified as an observation because they  
20 addressed what our issue was. They went through  
21 their -- I have no problem with it being an  
22 observation. This is Brad.

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1 CHAIR KOTELCHUCK: Okay. Others?

2 MEMBER MUNN: This is Wanda --

3 MEMBER POSTON: I vote for  
4 observation. This is John.

5 CHAIR KOTELCHUCK: Okay. Other?  
6 Wanda?

7 MEMBER MUNN: Observation.

8 CHAIR KOTELCHUCK: Observation.  
9 David?

10 MEMBER RICHARDSON: I'm going to  
11 abstain, I think.

12 CHAIR KOTELCHUCK: Okay, fine. And  
13 Josie?

14 MEMBER BEACH: I'm going to still say  
15 it is a finding.

16 CHAIR KOTELCHUCK: Okay, fine. So, as  
17 I hear, the vote is three in favor of observation,  
18 one against, and one abstention. Is that correct?  
19 Ted, that is a correct tally?

20 MR. KATZ: I think it is four, one, and  
21 one.

22 CHAIR KOTELCHUCK: Oh, four, one, and

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1 one.

2 MR. KATZ: I think you left yourself  
3 out.

4 CHAIR KOTELCHUCK: Oh, well, I don't  
5 vote unless there is a tie. Or do I?

6 MR. KATZ: Yeah, you vote.

7 CHAIR KOTELCHUCK: Okay, four, one,  
8 and one.

9 MEMBER MUNN: This is not the Senate.  
10 You're okay.

11 CHAIR KOTELCHUCK: Okay, good. Very  
12 good. Let's never be the Senate.

13 Alright, four, one, and one. And this  
14 was a good discussion, even if we did spend a fair  
15 amount of time.

16 It is now noon Eastern Standard Time,  
17 and we have only finished -- I believe that  
18 finishes, does it, the case reviews resolution?  
19 Is there anything else?

20 MS. GOGLIOTTI: There's one more  
21 findings, 348.8 in this matrix, and then we will  
22 move on to the --

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1 CHAIR KOTELCHUCK: 348.8. Folks, I  
2 move that we -- I'd like us to discuss this.  
3 Hopefully, it won't take too long. And then we  
4 will break for lunch, unless I hear objection.

5 MR. KATZ: Yeah, just to note --

6 CHAIR KOTELCHUCK: Or for breakfast in  
7 some cases.

8 MR. KATZ: Yeah, to note, David has to  
9 leave us at about 12:30.

10 CHAIR KOTELCHUCK: Okay, fine, so it  
11 will be -- then, maybe we can go on until 12:30.  
12 Would folks be open to going until 12:30, which  
13 would be 9:30 on the west coast?

14 MEMBER BEACH: That's fine.

15 MEMBER CLAWSON: That's fine with me.  
16 I won't shrivel up and blow away.

17 CHAIR KOTELCHUCK: Okay, very good.  
18 Wanda?

19 MEMBER MUNN: Same.

20 CHAIR KOTELCHUCK: Good, let's do it.  
21 Go right ahead.

22 MS. GOGLIOTTI: Okay, 348.8, which is

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1 an NTS and PPG case. And the finding states that  
2 NIOSH omitted missed electron dose for 1971 and  
3 1973. And NIOSH agrees. However, they feel it's  
4 not an error and believe it's in concurrence with  
5 the guidance in OTIB-17.

6 And this has been going on for a while,  
7 but I will just go through it here.

8 CHAIR KOTELCHUCK: Okay.

9 MS. GOGLIOTTI: If you look at OTIB-17,  
10 this guidance is contained in the appendices, which  
11 are site-specific. And there is no NTS or PPG in  
12 OTIB-17. And NIOSH said that they follow the  
13 guidance, essentially, because the NTS TBD calls  
14 out sections, or refers to OTIB-17. But it does  
15 not refer to the appendices specifically.

16 And we believe there needs to be a  
17 change of guidance or something. I don't believe  
18 any dose reconstructor would look at OTIB-17 and  
19 say, "this site is not SRS or another site,  
20 Hanford," and use the guidance pertaining to  
21 another site when their site was absent. I just  
22 don't believe that that's a normal assumption that

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1 anyone would make.

2 And so I would recommend updating  
3 TBD-17 to reference that it could be applicable to  
4 other sites, or the NTS specifically, to say  
5 basically follow guidance from Appendix A or  
6 Appendix D or whatever that appendix might be, even  
7 though it's referring to a different site.

8 CHAIR KOTELCHUCK: If it is asking that  
9 a TBD be changed or modified in any way, it seems  
10 to me that that is not our committee's function,  
11 but that we should refer it to another  
12 subcommittee, yes?

13 MR. KATZ: Dave, it's okay. I mean, I  
14 think this Subcommittee is fine in making  
15 recommendations about improvements. It doesn't  
16 have to be referred.

17 MR. SMITH: This is Matt Smith with  
18 ORAU Team. I will point out, in Section 4 of  
19 OTIB-17, the hope was there to do additional  
20 attachments. It does say the information in the  
21 OTIB may be used for other sites with similar  
22 dosimetry systems.

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1           And if you look at Section 3, which is  
2           a general approach, it lays out the steps one needs  
3           to take, regardless of what the DOE site is, in  
4           order to, in a sense, follow the guidelines of  
5           OTIB-17. And of course, since this is citing  
6           OTIB-17 in several places, in the end, what the dose  
7           reconstruction team did, through the use of a tool,  
8           is followed the general approach that is in Section  
9           3 of the OTIB-17. And, in a sense, they are using  
10          Section 4 as their application of the OTIB.

11           In the NTS TBD, they are citing OTIB-17  
12          as the methodology used to assign shallow dose.  
13          And within the OTIB, the general approach is given  
14          in Section 3, and that is essentially what has  
15          happened here.

16           CHAIR KOTELCHUCK: Response?

17           MS. GOGLIOTTI: From SC&A's  
18          perspective, I know that multiple of our dose  
19          reconstructors have looked at that document,  
20          OTIB-17, and have never come to the conclusion that  
21          that's the case.

22           Maybe training for NIOSH

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1 reconstructors is --

2 MR. SMITH: Again, in Section 4, at the  
3 time it was written, this was early on in the  
4 project, the effective date is 2005, the intention  
5 was that subsequent revisions of the OTIB would  
6 include other information for major DOE sites.

7 It then goes on to say, however, this  
8 information may be used for other sites with  
9 similar dosimetry systems and reporting protocols,  
10 provided that you have adequate documentation.

11 MS. GOGLIOTTI: But that would mean  
12 that each dose reconstructor would have to be  
13 intimately familiar with dosimetry practices at  
14 their site and at other sites to draw the conclusion  
15 --

16 MR. SMITH: For DOE, but for NTS they  
17 would be. And the DR lead works with the tool team  
18 to get the necessary tool product in place to deal  
19 with that site. Am I off-base on that, Scott?

20 MR. SIEBERT: No, that would be  
21 appropriate.

22 MS. GOGLIOTTI: You just have to

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1 understand, from our perspective, that's not  
2 clear.

3 MS. BEHLING: This is Kathy. Doesn't  
4 Section 4 state that this document provides  
5 site-specific information for Savannah River,  
6 Hanford, and the gaseous diffusion plants, and that  
7 subsequent revisions will provide site-specific  
8 information for major DOE sites.

9 MR. SMITH: Correct. And that has not  
10 and did not occur due to the march of these  
11 priorities on the project. And it would make  
12 sense, as I already stated, to give the DR team the  
13 option to use this approach, and the approach  
14 that's given in Section 3, to get these claims done.

15 Essentially, like I said already,  
16 that's what's happened here. They have used the  
17 precepts given in Section 3, which are spelled out  
18 in detail for the sites such as Savannah River in  
19 the appendices to this document.

20 And, you know, this has been used in  
21 this manner on many sites that are not in the  
22 attachments of OTIB-17.

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1 CHAIR KOTELCHUCK: So, getting back to  
2 what was the original issue in the finding, I mean,  
3 was leaving out the two years proper for that site,  
4 for the PPG site or NTS? Was that proper?

5 MS. GOGLIOTTI: If you assume that this  
6 -- if you follow the guidance in the appendices of  
7 OTIB-17, then yes. However, we're arguing that it  
8 is not clear that NTS should follow that guidance.  
9 So we're just asking for a revision of some kind,  
10 which NIOSH has already indicated that they want  
11 to revise OTIB-17 at some point, that would  
12 indicate which sites this was applicable to.

13 MEMBER MUNN: This is really confusing  
14 and I'm sorry now that I didn't take the time to  
15 go back and re-read OTIB-17 all the way through,  
16 including appendices, because it's almost  
17 impossible.

18 I'm a Member of the NTS Work Group.  
19 It's been so long since we visited any of this, I  
20 can't even remember the last meeting that the Work  
21 Group had. And OTIB-17 is way back in forgotten  
22 history somewhere for me. And I hate to even

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1 suggest this, because I would really like for us  
2 to address this and just take care of it and go to  
3 lunch, but I feel as though I need to go back and  
4 look at some of these documents, the original  
5 documents, rather than trying to -- I guess no clear  
6 path is jumping out at me from the questions that  
7 are being raised here.

8 MR. KATZ: Wanda, maybe I can help.  
9 This is Ted. I mean, to boil down what Rose is  
10 saying is, SC&A is concerned that the documentation  
11 isn't clear about the ability to do this, but there  
12 is no unclarity in terms of the NIOSH team that this  
13 is something they can do and do do.

14 And so it's just like the other  
15 documentation issues. It is an observation.  
16 There's a documentation concern on SC&A's part, and  
17 really only the Subcommittee needs to decide  
18 whether it thinks, based on this observation, the  
19 documentation should be clarified to be more  
20 specific to other sites or not. But there's not  
21 a lot more to this.

22 MS. BEHLING: I agree. This is Kathy.

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1 In fact, I think SC&A is looking for some  
2 clarification. Let me ask the question in this  
3 way. Are there any sites that you are familiar  
4 with, or that you know of, that you wouldn't use  
5 OTIB-17 for determining this? Are there any that  
6 come to mind that you wouldn't use OTIB-17 and the  
7 Section 3 data that you just discussed? That is  
8 what SC&A is trying to determine.

9 MR. SMITH: I guess I don't understand.  
10 The quick answer would be, I guess, in a sense, no.  
11 I mean, we are going to use this OTIB with all of  
12 our DOE sites. I mean, the title is  
13 "Interpretation of Dosimetry Data for Assignment  
14 of Shallow Dose."

15 So, even if the site is not discussed  
16 in the appendices to this document, we are going  
17 to use the general approach in Section 3 of OTIB-17  
18 to address how to assign that shallow dose for any  
19 given site.

20 MS. GOGLIOTTI: Well, I think the  
21 problem here is that Section 3 doesn't specifically  
22 say only assign one missed dose is there's a zero

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1 in shallow and deep dose. But it does say that in  
2 appendices.

3 And here that says that you could follow  
4 Appendix A or C, but nowhere in the NTS TBD does  
5 it say "follow Appendix A and C," even though  
6 Appendix A and C are not NTS-specific documents.

7 CHAIR KOTELCHUCK: But I hear that the  
8 clarifying --

9 (Pause.)

10 MR. KATZ: Dave, I think we lost you.

11 MEMBER CLAWSON: I thought he was still  
12 thinking.

13 CHAIR KOTELCHUCK: Can you hear me now?

14 MR. KATZ: Yes.

15 CHAIR KOTELCHUCK: Okay, fine. I must  
16 have had mute on.

17 You're asking for a change in the OTIB,  
18 and the people from NIOSH and ORAU are saying that,  
19 in terms of the work priorities that they have, they  
20 were not going to make that change in the OTIB-17.  
21 It's not our responsibility to assign them work to  
22 make a change.

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1                   MR. KATZ:    Right, Dave, I think the  
2                   limit of the Subcommittee is to make a  
3                   recommendation that you think it should be changed  
4                   based on what you heard, and that's it. I mean,  
5                   the NIOSH response --

6                   CHAIR KOTELCHUCK:  Right, that's what  
7                   I hear. And my feeling is that I don't think that  
8                   it's proper for us to do that.

9                   I think it's absolutely proper that  
10                  SC&A has raised this, and it's useful. To me, I  
11                  don't set the work priorities. I don't have the  
12                  information or the responsibility to make that  
13                  assignment. That's an internal administrative --

14                  MR. KATZ:    Right. Dave, everything  
15                  that the Board does is advice. It's just advice.

16                  CHAIR KOTELCHUCK:  Well, true.

17                  MEMBER CLAWSON:  Dave, this is Brad.  
18                  Being the Work Group Chair for NTS, I find an  
19                  interest in this. And we do have a Working Group  
20                  coming up, I believe it's January 5th, that we can  
21                  discuss this and look into this.

22                  But being a Work Group Chair, I do find

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1 great interest in this, because as we go through  
2 this process, one of our questions is how is this  
3 going to be implemented in the dose reconstruction.

4 So, I think, myself, the Work Group  
5 here, the Subcommittee has done what they should  
6 and now it falls back to me to be able to look at  
7 this and make sure that it is being implemented  
8 properly.

9 CHAIR KOTELCHUCK: Okay.

10 MEMBER MUNN: Thank you, Brad.

11 CHAIR KOTELCHUCK: Good, thank you,  
12 yes. So maybe we hold this in abeyance and you will  
13 report back at our next meeting?

14 MEMBER CLAWSON: I can do that, or have  
15 you guys -- myself, I feel that we have actually  
16 already addressed in the Subcommittee. Now, it is  
17 up to me and to the Work Group to be able to have  
18 SC&A and NIOSH be able to sit down and review what  
19 the issue and the problem was here, because this  
20 is one of our tasks, too, as a Work Group, is to  
21 assure how these things are being implemented.  
22 That's one of our big questions of how are you going

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1 to implement this when you do a dose  
2 reconstruction?

3 So, I think that, really, my personal  
4 feeling is that it can be closed and just allow the  
5 Work Group to be able to deal with it at a little  
6 bit higher level.

7 CHAIR KOTELCHUCK: That sounds fine.  
8 That is fine.

9 MR. KATZ: And so we are closing it as  
10 an observation.

11 CHAIR KOTELCHUCK: So, I think we can  
12 -- pardon me?

13 MR. KATZ: And I assume we are closing  
14 it as an observation, right?

15 MEMBER MUNN: Yes.

16 MEMBER CLAWSON: Yes.

17 CHAIR KOTELCHUCK: Okay.

18 MEMBER CLAWSON: What I would request  
19 is that maybe if Rose just kind of sent to me --  
20 you know, I've got everything in this, but to be  
21 able bring all of this to the NTS, you know, this  
22 finding and this question, because SC&A is, we are

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1 getting ready to go over Site Profile issues and  
2 so forth like that. So, I would just like kind of  
3 a summary, if you could, Rose, or Kathy. You guys  
4 always write it to me in a way that I understand  
5 it so much better. So, if I could just have  
6 something like that, it would help me out.

7 MS. GOGLIOTTI: Yeah, absolutely, I  
8 can send you an email.

9 CHAIR KOTELCHUCK: Very good.

10 MEMBER CLAWSON: Thank you.

11 CHAIR KOTELCHUCK: Very good. Okay.

12 MEMBER MUNN: I think that would be  
13 helpful, because in the Work Group really and truly  
14 it appears that the only question we have here is  
15 whether the document, as it currently stands,  
16 actually provides the kind of instruction --  
17 clearly, NIOSH feels that the document does provide  
18 an adequate direction to address this properly.  
19 And it looks like that is the only real question.

20 MEMBER CLAWSON: Right. And as a Work  
21 Group, we've looked at and we've asked questions.  
22 I feel like this has been covered, and it sounds

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1       like there is a little bit of question on this. So  
2       we can take it up at that level.

3                   CHAIR KOTELCHUCK: Very good.

4                   MEMBER CLAWSON: And I just want to  
5       make sure that John Stiver and them are aware of  
6       this, because this may not be into the matrix part  
7       of it, but we need to discuss this at the Work Group  
8       level.

9                   CHAIR KOTELCHUCK: Good. Okay, fine.  
10       So we'll close it as an observation now.

11                   MEMBER CLAWSON: Yes.

12                   CHAIR KOTELCHUCK: Well, thank you.  
13       So, it's about a quarter after 12, a little over.

14                   So, we finished discussion on Item 1.  
15       It took us a little more time than I had hoped,  
16       perhaps, but we've resolved that.

17                   I think, rather than, since David has  
18       to leave in about a few minutes, that we should  
19       perhaps break for lunch now and come back and  
20       continue the category 1 cases on our expedited  
21       process. And then we'll begin discussion on  
22       improving consistency. And I'm not clear what we

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1 will come to in terms -- whether we will come to  
2 the blind cases.

3 So, I'd like to -- it is about 20 after  
4 12. So, could we take a lunch or breakfast break,  
5 as the case may be, until 1:20 Eastern Standard  
6 Time?

7 MR. KATZ: Sounds good.

8 CHAIR KOTELCHUCK: Okay, very good.  
9 Thank you all. David, thank you for being here for  
10 as long as you have. Okay, see you folks at 1:20.

11 MR. KATZ: See you in an hour.

12 (Whereupon, the above-entitled matter  
13 went off the record at 12:19 p.m. and resumed at  
14 1:20 p.m.)

15 **Continue Category 1 Cases from**  
16 **Sets 18-18 (approx. 15 cases)**

17 CHAIR KOTELCHUCK: Okay, then let us  
18 begin at 1:20 p.m.

19 Okay, on our screen we are starting off  
20 with the expedited cases, category 1. Apparently,  
21 as I see it, there are 13 cases to go. No, did that  
22 just change? In progress, four, zero -- gee, I

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1 thought I saw --

2 MS. GOGLIOTTI: I did update this over  
3 the lunch break.

4 CHAIR KOTELCHUCK: Okay, very good.  
5 Because I looked it over yesterday and I have it  
6 on my other machine. I'm getting ready to -- very  
7 good.

8 MS. GOGLIOTTI: I just updated this to  
9 reflect what we did this morning.

10 CHAIR KOTELCHUCK: Oh, okay, yes.  
11 Yes, that's great.

12 So we only have four items left in  
13 Category 1. Is that correct?

14 MS. GOGLIOTTI: Well, this is actually  
15 not Category 1. This is just showing the remaining  
16 findings and observations left in Sets 14 through  
17 18.

18 CHAIR KOTELCHUCK: Okay.

19 MS. GOGLIOTTI: So, you will see, as of  
20 this moment, we have about 23 percent of issues  
21 remaining.

22 CHAIR KOTELCHUCK: Oh, yes. So, all

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1 the rest are Category 2 after today?

2 MS. GOGLIOTTI: No, no, no, no.  
3 Category 1.

4 CHAIR KOTELCHUCK: We are going to  
5 finish Category 1 today, are we not?

6 MS. GOGLIOTTI: We will finish  
7 Category 1 for the DCAS sites.

8 CHAIR KOTELCHUCK: Right.

9 MS. GOGLIOTTI: We have not touched on  
10 the remaining AWE site matrix yet.

11 CHAIR KOTELCHUCK: Oh, okay.

12 MS. GOGLIOTTI: And that's really the  
13 only matrix that we have remaining.

14 CHAIR KOTELCHUCK: Yeah.

15 MS. GOGLIOTTI: But after today we will  
16 see if the committee is still happy with using this  
17 Category 1 and 2, approach and I can apply that to  
18 the remaining.

19 CHAIR KOTELCHUCK: Very good.

20 MS. GOGLIOTTI: I just wanted to get  
21 that out there to show that we are making progress.

22 CHAIR KOTELCHUCK: Absolutely.

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1 MS. GOGLIOTTI: And after today,  
2 including the remaining 19 and 21st set things, we  
3 will have about 150 issues left.

4 CHAIR KOTELCHUCK: Okay.

5 MS. GOGLIOTTI: So, that's about three  
6 meetings' worth of work, and then we will be  
7 entirely caught up on the findings.

8 MEMBER MUNN: Oh, that's marvelous.

9 CHAIR KOTELCHUCK: Wonderful.  
10 Wonderful. Okay, so, shall we begin?

11 MS. GOGLIOTTI: Okay. Well, we left  
12 off here, and I just highlighted it so we know  
13 exactly where to start.

14 CHAIR KOTELCHUCK: And thank you for  
15 that.

16 MS. GOGLIOTTI: We've done everything  
17 above that. I know it is kind of confusing when  
18 you have hundreds of lines in here.

19 Okay, so the first case is Tab 399, it's  
20 a Sandia case. And this is Observation 1. And  
21 this is an interesting case for us because when  
22 NIOSH did their dose reconstruction, they took into

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1 account the CATI report, which said that the EE had  
2 worked at several sites that were not DOL  
3 confirmed. And so NIOSH properly went through and  
4 contacted all the sites and requested additional  
5 information that the EE had provided. And they  
6 didn't hear anything back.

7 So, in October of 2010, they went ahead  
8 without that information, not having heard  
9 anything. And then after that, in December, a lot  
10 of information came in. So, after the dose  
11 reconstruction was completed, several site visitor  
12 data requests from Lawrence Livermore and Pantex  
13 came in. And the DR was not revised to incorporate  
14 that.

15 And according to NIOSH, all this  
16 additional information was evaluated under a PAD,  
17 the post-approval dosimetry evaluation. And it  
18 was determined that it wasn't necessary to revise  
19 the case based on this information.

20 CHAIR KOTELCHUCK: Okay. So, that's  
21 an observation. That's fine.

22 (Simultaneous speaking.)

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1 MS. GOGLIOTTI: -- in this case where  
2 information came in after the fact.

3 CHAIR KOTELCHUCK: Right.

4 MS. GOGLIOTTI: And from our  
5 perspective, we pointed it out that, yes, it became  
6 available after. And that's really all we can do.  
7 We can't fault NIOSH for that.

8 CHAIR KOTELCHUCK: Right. I think  
9 this is a clear-cut observation. I don't see  
10 anything to discuss, unless somebody else from the  
11 --

12 MS. GOGLIOTTI: SC&A has one follow-up  
13 question.

14 CHAIR KOTELCHUCK: Okay. A little  
15 louder, please, by the way.

16 MS. GOGLIOTTI: Is the PAD documented  
17 somewhere that SC&A could see that a PAD had  
18 occurred?

19 MR. CALHOUN: Yeah, this is Grady. We  
20 have a single sheet for every PAD that's done and  
21 there has been many, many, many thousands of them.

22 MS. GOGLIOTTI: And would that be in

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1 the files on NOCTS?

2 MR. CALHOUN: No, they're not on NOCTS.  
3 They are in separate folders, but I can -- do you  
4 want to see the one for this case?

5 MS. GOGLIOTTI: Just when we come  
6 across issues like this, to know whether or not it  
7 had gone through a PAD would be helpful for our dose  
8 reconstructors.

9 CHAIR KOTELCHUCK: So, you'll give her  
10 information to have access?

11 MR. CALHOUN: Yeah, anytime she needs  
12 one of those, I can get her one or we can see where  
13 we are. Right now, the majority of them are  
14 sitting out on my actual drive that's for me only.  
15 But I can let you know where those are, or at least  
16 send them to you as you need them.

17 MS. GOGLIOTTI: Okay, and just for my  
18 personal knowledge, the Subcommittee is okay with  
19 us requesting that information?

20 CHAIR KOTELCHUCK: Oh, the  
21 Subcommittee is perfectly okay. Good.

22 MS. GOGLIOTTI: Okay, I don't want to

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1 break any chain of command there.

2 CHAIR KOTELCHUCK: Oh, no, no.  
3 Alright. So, I propose that we go on to the next  
4 one.

5 MS. GOGLIOTTI: All of the 399  
6 observations are along the same lines. There was  
7 additional dosimetry records that would warrant  
8 additional missed or measured dose, internal dose  
9 records that should have been accounted for, and  
10 coworker dose that would have been triggered by the  
11 unmonitored dosimetry. But I would recommend that  
12 we just close all of these at once.

13 CHAIR KOTELCHUCK: Yeah, agreed. Any  
14 concerns?

15 MEMBER MUNN: They should all be the  
16 same.

17 CHAIR KOTELCHUCK: Right, they should.  
18 It's almost not worth going over. Well, formally,  
19 we do that for every observation. So, do number 4,  
20 if you would, and then we'll approve.

21 MS. GOGLIOTTI: The rest of them?  
22 Well, the next one would be 2. And this one there

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1       were eight additional dosimetry records that were  
2       received after the fact.  And they were all zeros  
3       with no missed doses assigned to them.

4                   CHAIR KOTELCHUCK:  Okay.

5                   MEMBER MUNN:  That's been done.

6                   CHAIR KOTELCHUCK:  Done, approved.

7                   MS. GOGLIOTTI:  Okay.  And number 3,  
8       similar, more no missed doses assigned to the  
9       dosimetry records from Lawrence Livermore.

10                  CHAIR KOTELCHUCK:  Good.

11                  MS. GOGLIOTTI:  Number 4 is -- let's  
12       see.  When we began reviewing the case, Lawrence  
13       Livermore records were available that would  
14       trigger potential intakes for internal dose but  
15       were not assigned.

16                  CHAIR KOTELCHUCK:  Okay.

17                  MS. GOGLIOTTI:  And number 5 has to do  
18       with coworker dose.  Unmonitored periods would be  
19       added by the dosimetry records, and that added  
20       about 0.126.  And the PoC in this case was 22.5.  
21       That low of a dose isn't going to impact the  
22       compensation for this case.

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1 CHAIR KOTELCHUCK: Okay, good. And  
2 let's go on to the next.

3 MS. GOGLIOTTI: Okay, the next one is  
4 Tab 368, the Spencer Chemical case, Finding 1. And  
5 the finding says that there was a failure to  
6 demonstrate that default uranium inhalation rates  
7 were appropriately bounding. And NIOSH came back  
8 and said, essentially, the rates that we had cited  
9 in our review were actually only applicable to  
10 outside inhalation, and this was actually indoors.

11 CHAIR KOTELCHUCK: Pardon?

12 MS. GOGLIOTTI: NIOSH had indicated  
13 that the inhalation rates that we had cited in our  
14 dose reconstruction review were only applicable to  
15 outdoors and this was an indoor worker. And based  
16 on that, we believe that their judgment was sound  
17 and we do agree with their approach.

18 CHAIR KOTELCHUCK: Okay. Discussion?  
19 One sec. Okay. The question is, should this be  
20 --looking at this again just to see whether it  
21 should be an observation.

22 MR. KATZ: I guess, was the

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1 documentation not explicit about this, Rose?

2 MS. GOGLIOTTI: It said TBD-6000, but  
3 there was some confusion, I believe.

4 CHAIR KOTELCHUCK: So, it's a  
5 professional judgment, right?

6 MS. GOGLIOTTI: Yes, if you wanted to  
7 reduce it to an observation, we wouldn't fight it.

8 CHAIR KOTELCHUCK: Yeah, I think it is  
9 an observation. What do others think?

10 MEMBER MUNN: Yes, I think so. I can't  
11 see any way that one could determine any further  
12 information than we already have.

13 CHAIR KOTELCHUCK: Right. Right.

14 MEMBER BEACH: I'm okay with this being  
15 an observation.

16 CHAIR KOTELCHUCK: Okay.

17 MEMBER CLAWSON: This is Brad. I'm  
18 okay with an observation.

19 CHAIR KOTELCHUCK: Good. So, we'll  
20 approve this as an observation. And thank you.

21 MS. GOGLIOTTI: Okay. Same case --

22 CHAIR KOTELCHUCK: And I am

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1 particularly sensitive to the remark I made this  
2 morning, and I really mean it, that I'm not going  
3 to -- everything you find, we're very glad you find  
4 it, however we categorize it. That's your job.

5 Okay, next one.

6 MS. GOGLIOTTI: Okay, Finding 2 here,  
7 same case, says differences in guidance provided  
8 in Table 5.2 of TBD-6000, which references  
9 environmental dose, and Section 7.15 should be  
10 reconciled.

11 NIOSH pointed out in their response  
12 that Section 5.2 actually refers to environmental  
13 intakes while Section 7.15 refers to intakes from  
14 formerly operational areas during residual  
15 periods, and so that's why the guidance doesn't  
16 seem to correlate well. But they are actually  
17 referring to different intakes.

18 CHAIR KOTELCHUCK: Right. Okay.

19 MS. GOGLIOTTI: And so based on that,  
20 we agree that their determination is correct.

21 CHAIR KOTELCHUCK: Right, in which  
22 case, again, observation.

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1 MS. GOGLIOTTI: Okay.

2 CHAIR KOTELCHUCK: Okay, observation.

3 Any comments? Good.

4 Let's go on.

5 MS. GOGLIOTTI: Okay, 411.

6 CHAIR KOTELCHUCK: Right.

7 MS. GOGLIOTTI: This is Finding 1.

8 And the finding says that NIOSH did not use the  
9 appropriate organ dose correction factors. And  
10 here, disagreement stems from actually a  
11 mislabeling of information in the tables in  
12 TBD-6000. The tables lists the unit as milli-R  
13 per year. And it actually means millirem per year.

14 CHAIR KOTELCHUCK: That is, the  
15 capital R suggests roentgens.

16 MS. GOGLIOTTI: Correct.

17 CHAIR KOTELCHUCK: Right. Okay,  
18 good.

19 MS. GOGLIOTTI: And so we would just  
20 suggest that they modify that table in the next TBD  
21 revision to reflect the correct unit.

22 CHAIR KOTELCHUCK: Okay.

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1 MR. KATZ: Another observation.

2 CHAIR KOTELCHUCK: Yeah, correct.  
3 Observation.

4 MS. GOGLIOTTI: Typically, don't we  
5 leave it as a finding when --

6 CHAIR KOTELCHUCK: Pardon? A little  
7 louder, please.

8 MS. GOGLIOTTI: Typically, don't we  
9 leave things as findings when we identify a problem  
10 with the actual TBDs?

11 MR. KATZ: Not when it's just a  
12 documentation but it's being used correctly.

13 MS. GOGLIOTTI: Okay.

14 MR. KATZ: That's a documentation  
15 issue.

16 CHAIR KOTELCHUCK: Yeah, I think you  
17 are correct.

18 So, approved as an observation.

19 MS. GOGLIOTTI: Alright. And the next  
20 one is Tab 341, which is a Westinghouse case,  
21 Finding 1. The finding states that NIOSH did not  
22 assign complete doses for the years 1971 and 1979.

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1 And NIOSH agreed.

2 CHAIR KOTELCHUCK: Alright, and that's  
3 certainly a finding. NIOSH agreed that it should  
4 have done this. And when it corrected it, there  
5 was no impact on the final decision. But it's  
6 certainly a finding.

7 Any objection or any comment?

8 Okay, no. Let's go on to Finding 2.

9 MS. GOGLIOTTI: Okay, same case.  
10 Finding 2 states that NIOSH did not assign a  
11 recorded zero for missed dose for the year 1975.  
12 And NIOSH agrees that there should have been an  
13 additional zero for that year.

14 CHAIR KOTELCHUCK: Okay. Again, a  
15 finding. And by the way, both of those are QAs,  
16 right?

17 MS. GOGLIOTTI: Yes.

18 CHAIR KOTELCHUCK: Okay. Item 3 we'll  
19 approve.

20 MS. GOGLIOTTI: Okay, Finding 3, NIOSH  
21 used the one-time uncertainty for MDA instead of  
22 three times the uncertainty. And NIOSH has agreed

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1 also that they should have --

2 CHAIR KOTELCHUCK: Alright, fine.  
3 Good.

4 MS. GOGLIOTTI: Finding No. 4 states  
5 that NIOSH's ingestion values were not  
6 substantiated. And NIOSH did agree with us. And  
7 this has to do with uranium intake.

8 CHAIR KOTELCHUCK: So, that's -- the  
9 ingestion value was not substantiated. And then  
10 agrees that no ingestion. Was ingestion applied  
11 by NIOSH?

12 MS. GOGLIOTTI: Yes, NIOSH applied  
13 ingestion.

14 CHAIR KOTELCHUCK: Okay.

15 MS. GOGLIOTTI: I believe there was an  
16 urinalysis that was used in IMBA to calculate an  
17 inhalation, but there wasn't really a basis for  
18 assuming.

19 CHAIR KOTELCHUCK: Okay, so that seems  
20 to be a finding. Again, is there any -- are there  
21 any comments or questions?

22 MEMBER CLAWSON: This is Brad. Not

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1 me.

2 CHAIR KOTELCHUCK: Okay. Hearing no  
3 others, let's consider that approved. And let's  
4 go on to 434.3.

5 MS. GOGLIOTTI: And this is a  
6 Westinghouse case. And the finding says that the  
7 modeled inhalation intake quantities appear to be  
8 in error.

9 And here what happened is the CADW entry  
10 failed to be objective for the 365-day exposure  
11 period. In the TBD, it lists, I believe, 210 days,  
12 but it needs to be entered into the CADW as 365.  
13 And that was not done, which caused an overestimate  
14 in dose by a factor of 1.46.

15 And NIOSH has actually corrected that  
16 to limit the error in the future.

17 CHAIR KOTELCHUCK: What about this  
18 case itself? Did that affect the decision?

19 MS. GOGLIOTTI: It resulted in an  
20 overestimate. So, they assigned more dose than  
21 should have been assigned. And the PoC was already  
22 below 50 percent, so it didn't --

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1 CHAIR KOTELCHUCK: Oh, okay. So, it  
2 would have reduced it further below 50 percent,  
3 and, therefore, in the noncompensable category.

4 MS. GOGLIOTTI: Correct.

5 CHAIR KOTELCHUCK: Okay. Any  
6 comments, folks? Hearing none, we do approve.

7 MS. GOGLIOTTI: Okay. The next is Tab  
8 369. It's a W.R. Grace case. And Finding 1 -- and  
9 we've seen these numerous times before  
10 --basically, the TBD said that the case didn't  
11 qualify as part of the SEC even though it's a  
12 bladder cancer, when in fact it did qualify for the  
13 SEC. And the dose reconstruction was done only to  
14 determine medical benefits. And that was just a  
15 textual error.

16 NIOSH has since corrected the text and  
17 modified so it's clear that it's just a partial DR  
18 and the case did qualify.

19 CHAIR KOTELCHUCK: Wait a minute.  
20 Bladder cancer is one of the 22 compensable  
21 cancers, is it not?

22 MS. GOGLIOTTI: Correct.

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1 CHAIR KOTELCHUCK: Correct. So --

2 MS. GOGLIOTTI: This is just text that  
3 appeared, boilerplate text that NIOSH was  
4 inserting into the dose reconstruction that said  
5 that the case didn't qualify or didn't meet the  
6 criteria for inclusion --

7 CHAIR KOTELCHUCK: Okay, so this is --

8 MS. GOGLIOTTI: -- when it actually did  
9 meet the criteria. It's simply a --

10 CHAIR KOTELCHUCK: This is the report.  
11 Then this is the issue with the report.

12 MS. GOGLIOTTI: Correct.

13 CHAIR KOTELCHUCK: Which is to say, an  
14 observation.

15 MS. GOGLIOTTI: Yes.

16 CHAIR KOTELCHUCK: Okay. Any comment  
17 on this, approving this as an observation?

18 MEMBER BEACH: None here, Dave.

19 CHAIR KOTELCHUCK: Okay. Alright,  
20 then let's approve and go on.

21 MS. GOGLIOTTI: Okay, the same case,  
22 Finding 2 says that NIOSH used a 1976 fecal result

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1 as a urinalysis result in a modeling. NIOSH agrees  
2 that the data was incorrectly used. And when they  
3 revisited the case and correctly used the results,  
4 in increased the dose by a negligible amount.

5 CHAIR KOTELCHUCK: Okay. Well, this  
6 is a -- this would be a finding.

7 MR. KATZ: Right.

8 CHAIR KOTELCHUCK: The line in Column  
9 I, it's obviously regarding measurement, not  
10 physical -- it has a funny quality, if you interpret  
11 this in physical terms, rather than in measurement  
12 terms. But that is the way it is. It's perfectly  
13 proper.

14 Okay. So, I think we should just  
15 approve this as a finding. And I don't know how  
16 you do it, but that would now be the first finding,  
17 since the original first finding was an  
18 observation.

19 (Simultaneous speaking.)

20 MS. GOGLIOTTI: -- the same --

21 CHAIR KOTELCHUCK: Pardon?

22 MS. GOGLIOTTI: We do leave the finding

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1 numbers the same and I just change it my record.

2 CHAIR KOTELCHUCK: Oh, okay.

3 MS. GOGLIOTTI: Because otherwise, it  
4 is very confusing when the numbers change.

5 CHAIR KOTELCHUCK: Oh, yes. Okay, I  
6 understand that and why it's done that way. That's  
7 fine.

8 Does that complete it?

9 MS. GOGLIOTTI: That's all of the Type  
10 1 findings in this matrix.

11 CHAIR KOTELCHUCK: Okay, good.

12 Before we go on, since this is the end  
13 of the Category 1 cases and you asked, do we approve  
14 continuation of this expedited processing, I think  
15 it has worked well so far. I, personally, think  
16 we should continue with it.

17 What do other Members think?

18 MEMBER MUNN: Well, I definitely think  
19 so, says Wanda. But before we completely leave the  
20 W.R. Grace item, the typo -- I hate to even mention  
21 it.

22 MS. GOGLIOTTI: Yeah, that was my

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1 fault. I'm sorry.

2 MEMBER MUNN: Yeah, that's a minor  
3 thing.

4 CHAIR KOTELCHUCK: Oh, yes, thank you.

5 MEMBER MUNN: But nevertheless, yes,  
6 this, from my perspective, is working very, very  
7 smoothly. It's extremely helpful to me.

8 CHAIR KOTELCHUCK: How about other  
9 folks?

10 MEMBER BEACH: I agree. I like this  
11 method.

12 MEMBER POSTON: I agree.

13 MEMBER CLAWSON: I agree.

14 CHAIR KOTELCHUCK: Good. Well, we all  
15 agree. So, I would say, just as an overall to you,  
16 to the SC&A folks, that I don't consider this --  
17 well, put it this way. Our approval will become  
18 definitive, I hope, after we go to and do the  
19 Category 2 cases. We've done the easy cases, and  
20 they went very well and this was a very good  
21 procedure. What happens when we get to Category  
22 2 may impact our overall sense of whether we're

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1 doing the right thing.

2 We're certainly doing the right thing  
3 for Category 1. That's my opinion, anyway.

4 MS. GOGLIOTTI: Well, the Category 2s  
5 should proceed just the same way we were doing this  
6 morning with the --

7 CHAIR KOTELCHUCK: Yeah, right.

8 MS. GOGLIOTTI: So, I don't see that  
9 being a problem. For the next meeting, though, we  
10 only have -- we have one matrix remaining in the  
11 14 through 18th set, which is the remaining AWE  
12 cases.

13 CHAIR KOTELCHUCK: Okay.

14 MS. GOGLIOTTI: There are 44 findings  
15 there, and an additional maybe seven findings from  
16 the DCAS site. So, I will extend this process  
17 through the remaining AWE sites.

18 CHAIR KOTELCHUCK: Mm-hm.

19 MS. GOGLIOTTI: And actually, we're to  
20 a point now where we are caught up in NIOSH  
21 responses. So, I just want to remind NIOSH that  
22 we will need responses for the 19th and 21st sets'

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1 matrices soon.

2 MR. KATZ: Can I suggest, though, in  
3 addition to that for the next meeting, I think it'll  
4 be time, right, you're planning to take on some Type  
5 2, because we need experience on that sooner than  
6 later.

7 MS. GOGLIOTTI: Yes, I'd recommend  
8 that we start with those in the next meeting.

9 MR. KATZ: Yes, that's great. Okay.

10 CHAIR KOTELCHUCK: Yeah, sounds good  
11 to me. Okay, well, thank you. And this has been  
12 very good.

13 So, we are now on to Item 3. Now, I  
14 ordered this discussion such that we would talk  
15 about the report on consistency in dose  
16 reconstruction next. And we may not get to the  
17 blind case reviews. I don't know.

18 Do folks go along with that? Or maybe  
19 we could change and we could do the blind case  
20 reviews now. The reason I put the consistency in  
21 3 is that we have probably six months or so in which  
22 to report back to the Board on improving

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1 consistency. And it seems to me we will probably  
2 have to have several discussions. And since there  
3 is a time frame on that, I thought we would go with  
4 3 first.

5 MR. KATZ: Dave, so, I have a  
6 suggestion.

7 CHAIR KOTELCHUCK: Okay.

8 MR. KATZ: I actually think it would be  
9 helpful, from an administrative standpoint, for  
10 me, if we proceeded with the blinds first and then,  
11 if we run short of time on consistency, it's not  
12 so much of a concern to me.

13 The reason I say that is because we are  
14 trying to get through these backlogs. I mean, the  
15 blinds aren't exactly backlogged but they are part  
16 of the load -- they're in our way, too -- so that  
17 we can get back to initiating additional case  
18 reviews.

19 CHAIR KOTELCHUCK: Okay.

20 MR. KATZ: So, to me, the consistency  
21 discussion, certainly it's not the most important,  
22 but really, it will relate to new cases that we

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1 assign, not to cases that we are already looking  
2 at so much.

3 CHAIR KOTELCHUCK: That's correct.

4 MR. KATZ: So, to me, it's a bigger  
5 priority to get as much of the backlog cleared as  
6 soon as possible because that means we can get new  
7 cases in.

8 CHAIR KOTELCHUCK: Well, that's a good  
9 argument. Administratively -- and I noted that we  
10 yesterday received the blinds from set 23.

11 MR. KATZ: Right.

12 CHAIR KOTELCHUCK: So, if that is  
13 helpful, then I am more than open to doing the blind  
14 case reviews next. How about how do other Members  
15 feel? Okay?

16 MEMBER MUNN: This is Wanda. I  
17 certainly agree with Ted has to say, for yet another  
18 reason as well. Our discussion and deliberation  
19 with respect to consistency is one that we can  
20 actually do, to some degree, offline. If those of  
21 us who are looking at it feel strongly about  
22 something and would like to add or create specific

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1 direction for the discussion, we can do so by  
2 communication with the entire Subcommittee through  
3 email.

4 CHAIR KOTELCHUCK: That's true.

5 MEMBER MUNN: And we just simply can't  
6 do that with the cases that we have to do with the  
7 full committee.

8 CHAIR KOTELCHUCK: Sure. Good.  
9 Further argument, further support for going on with  
10 the blind cases for Set 22.

11 So, any objection? Okay, let's do the  
12 blind case reviews.

13 MS. GOGLIOTTI: Okay. Kathy, do you  
14 have a preference on which one goes first?

15 MS. BEHLING: No, not at all. The one  
16 I was going to do, which was the SNL case, Sandia  
17 National Lab, is going to be very quick.

18 CHAIR KOTELCHUCK: Could I suggest  
19 something? Before we do that, let's all take a  
20 look at the table again, just to refresh ourselves.  
21 If you'll show us the table, and then we will go  
22 on to the SNL.

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1 MS. GOGLIOTTI: Sure.

2 MS. BEHLING: Do you have that  
3 available, Rose?

4 MS. GOGLIOTTI: Yes, I just pulled it  
5 up.

6 CHAIR KOTELCHUCK: Yes, there it is.  
7 And the first scan through, as I'm sure all of us  
8 noticed, was that the results are consistent with  
9 SC&A and NIOSH in terms of compensability. In  
10 particular, the two cases were above 50 percent,  
11 according to NIOSH, and they are still, according  
12 to SC&A.

13 And also, NIOSH, for those that were not  
14 compensable, three out of the four from NIOSH had  
15 a greater PoC than SC&A did, which, again, might  
16 reflect NIOSH's -- the importance to NIOSH, and to  
17 all of us, of being -- deciding in favor -- when  
18 uncertain deciding in favor of the claimant, being  
19 claimant-favorable.

20 So, any comments on the table or  
21 anything anyone wants to say before we begin going  
22 over the individual cases?

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1                   MEMBER MUNN: No, nothing more than to  
2 just comment, again, that this is enormously  
3 helpful to be able to see this kind of comparison.

4                   **Blind Case Reviews from Set 22**

5                   CHAIR KOTELCHUCK: It sure is. And by  
6 the way, now we're into cases, I believe -- is this  
7 the 20th through the 26th case, the blind case that  
8 we have looked at? Or is this 14 through 20?

9                   MS. GOGLIOTTI: I believe this is 20  
10 through 26.

11                  CHAIR KOTELCHUCK: I think it is, yes,  
12 which is great. We still, just to comment, we  
13 still have the one case from Allied Chemical & Dye  
14 that has to be resolved.

15                  MS. GOGLIOTTI: I believe we've  
16 resolved that case.

17                  CHAIR KOTELCHUCK: Have we? That was  
18 not -- I mean, in the blind review and the table  
19 that we are sending in, it still says referred.

20                  MS. GOGLIOTTI: Well, I believe we did  
21 that after, while the letter was still in draft.  
22 It didn't make sense to keep updating the letter.

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1 CHAIR KOTELCHUCK: Yes, I understand.  
2 Okay. And has that ever -- that has not come before  
3 the Committee. So -- and if it is decided --

4 MS. GOGLIOTTI: Well, the Subcommittee  
5 discussed it. I believe that was in the Spring  
6 meeting, maybe a March meeting or April.

7 CHAIR KOTELCHUCK: Do other -- I don't  
8 recall that and I don't remember seeing it in the  
9 transcript. Do other Committee Members? Did we  
10 discussed Allied Chemical & Dye as a blind case?

11 MEMBER MUNN: We've discussed Allied  
12 Chemical a lot. I haven't looked at the --

13 MR. KATZ: Is that a John Mauro site?

14 MS. GOGLIOTTI: Yes.

15 MEMBER BEACH: I thought we had  
16 referred it to the Work Group.

17 CHAIR KOTELCHUCK: That's what I  
18 thought.

19 MS. BEHLING: This is Kathy. I  
20 thought I had added a summary row to each of the  
21 blind cases, and I think I even went back into the  
22 transcripts to confirm that we had closed that out.

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1 But I have to tell you, I maybe should look at that  
2 again.

3 CHAIR KOTELCHUCK: That would be good.  
4 What we'll do is we have our six cases. That's  
5 fine. Next time, if you would bring that -- if  
6 you'd check it out and then next time report back  
7 to us. And if we have not discussed it as a  
8 Subcommittee, we should do that and put it on the  
9 agenda.

10 MS. BEHLING: Yeah, I do know that it  
11 was discussed. I just didn't know if there were  
12 any outstanding issues associated with it, because  
13 it was a long discussion. I think we discussed it  
14 at several meetings, but I will confirm that.

15 CHAIR KOTELCHUCK: Well, we discussed  
16 the issue, and then later we discussed it at great  
17 length. But, eventually, Dr. Melius suggested  
18 that we had not -- it had to go to the Work Group  
19 or another Subcommittee, and then it had to be  
20 reconsidered and then come back to us. And I want  
21 to make sure it came back.

22 So, anyway, folks will check this and

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1 we will have the answer next time, or you'll email  
2 me if we have not gone over and approved it as a  
3 Subcommittee.

4 MS. BEHLING: Yes, I will.

5 CHAIR KOTELCHUCK: Okay. Alright,  
6 good. And if it was not approved, we will put it  
7 on the agenda for the next meeting.

8 Alright, let's go, and did I hear you  
9 say you wanted discuss the SNL case first?

10 MS. BEHLING: I can do that, if  
11 everyone agrees. It's just because I think that  
12 this will be rather brief.

13 CHAIR KOTELCHUCK: Good.

14 **Sandia National Laboratories**

15 MS. BEHLING: I know I usually like to  
16 talk, but, unfortunately, this one isn't going to  
17 allow me to do that.

18 (Laughter.)

19 CHAIR KOTELCHUCK: Okay.

20 MS. BEHLING: But, anyway, this  
21 particular blind case, the Energy Employee  
22 obviously worked at Sandia National Lab in

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1 Albuquerque. And there were [identifying  
2 information redacted] cancers. And if you look at  
3 -- do you have that case up on Live Meeting, Rose?

4 MS. GOGLIOTTI: Yes, it's pulled up on  
5 the screen.

6 MS. BEHLING: Okay, for some reason,  
7 I'm still seeing the agenda. That's fine. I'll  
8 go through this. And I'm going to be brief and be  
9 careful about what I say here, but this particular  
10 case, as I said, there were [identifying  
11 information redacted] cancers. And if we look at  
12 Table 1-2 on page 7, it shows you a comparison of  
13 the NIOSH and the SC&A doses for each of the various  
14 categories.

15 And as you can see, we were nearly  
16 identical with the doses. And both NIOSH and SC&A  
17 had a combined PoC of greater than 50 percent and  
18 would have compensated this case.

19 If we move on, then, to page 8 and to  
20 our comparison table of data and assumptions, Table  
21 2-1, here, again, NIOSH and SC&A made all the same  
22 assumptions. They used the DOE records. They

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1 used all of the same guidance documents.

2 And one of the things that Ted had  
3 recommended, and we will do in the future, which  
4 will certainly make things easier for the reader,  
5 when NIOSH and SC&A agree and have done exactly the  
6 same approach, or used the same approach, in the  
7 SC&A column we will put in there "no difference"  
8 or "same assumptions," or something along those  
9 lines, so that it is much easier for you to see where  
10 there are differences.

11 CHAIR KOTELCHUCK: Excellent.

12 MS. BEHLING: So, if you go through the  
13 table, both NIOSH and SC&A, as I said, used all the  
14 same assumptions, used the same guidance  
15 documents. The only thing that was different is,  
16 under the occupational environmental dose, NIOSH  
17 assumed a DCF, an isotropic DCF that was associated  
18 with the exposure DCF, where SC&A used the  
19 isotropic ambient dose equivalent DCF. And that  
20 resulted in NIOSH calculating a little bit higher  
21 dose than SC&A.

22 The only other thing that was different

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1 in this is, for some, for one of the cancers, NIOSH  
2 determined the uncertainty based on a Monte Carlo  
3 approach. And so the data then was entered, in  
4 some cases as log-normal and in cases as a Weibull  
5 distribution, with a little bit different, when  
6 it's a log-normal, a little bit different GSD value  
7 than SC&A. Typically, we use the mode of the DCF  
8 value and enter that in as a log-normal  
9 distribution with a GSD of 1.52 for this type of  
10 doses.

11 So, I can go through each of these  
12 categories, but if you've read through the report,  
13 there really were no differences. Everything was  
14 very consistent.

15 CHAIR KOTELCHUCK: Okay. I don't know  
16 that we need to go through it in any more detail.  
17 What do other Members think?

18 MR. SIEBERT: This is Scott. I just  
19 want to clarify the difference on the DCFs in  
20 environmental.

21 MS. BEHLING: Okay. Did I misspeak?

22 MR. SIEBERT: No, no, you were exactly

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1 right as to what the differences were. I just want  
2 to point out the reason we did it the way we did  
3 it is based in Procedure-60, Section 6.3 for best  
4 estimates. It specifically directs you which DCF  
5 to use in that specific circumstance.

6 MS. BEHLING: Okay, thank you.

7 CHAIR KOTELCHUCK: Okay, good.  
8 Alright, I think my own feeling would be that we  
9 should approve as this discussion stands. Do I  
10 hear other suggestions?

11 MEMBER MUNN: I think that's entirely  
12 appropriate. We've seen the document. We've  
13 seen the comparison. Kathy has led by the hand.  
14 And I see nothing for us to discuss, other than to  
15 say good job, again.

16 CHAIR KOTELCHUCK: Good.

17 MS. BEHLING: Thank you. One other  
18 question, while I am thinking about it. When we  
19 get through the other two blinds, the discussion  
20 of those today, provided there's no outstanding  
21 issues, I assume that you do want me to continue  
22 to update this table with a comments or a summary

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1 type of statement that discusses where there were  
2 some differences so that we can finalize the 22nd  
3 set blind after this meeting.

4 CHAIR KOTELCHUCK: Yes.

5 MS. BEHLING: Okay.

6 MEMBER MUNN: Always helpful to have  
7 that on what turns out to be a historic document,  
8 if it's referenced again.

9 MS. BEHLING: Okay, very good. Thank  
10 you.

11 CHAIR KOTELCHUCK: Yes, good.  
12 Alright, what is the next one that you'd like to  
13 go through?

14 MS. GOGLIOTTI: How about Grand  
15 Junction?

16 CHAIR KOTELCHUCK: Grand Junction,  
17 alright.

18 **Grand Junction**

19 DR. BUCHANAN: Okay, that's mine.  
20 This is Ron Buchanan.

21 And the blind on this one was for the  
22 dose reconstruction for an EE who worked at the

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1 Grand Junction operation office in Grand Junction,  
2 Colorado. In most of the period, in the 1980s, was  
3 a janitor and laborer. I need to say that because  
4 that play into the dose assigned. They had a  
5 number of skin cancers in the 2000s.

6 The EE had no internal dosing and very  
7 limited external dosimetry recorded. If you look  
8 at Table 11-1, we see that we had very similar dose  
9 assignments, identical for the recorded. There  
10 was a little bit of difference in the missed dose,  
11 and we'll discuss that.

12 Unmonitored dose was very similar for  
13 all categories. Internal dose was similar; very  
14 small, of course, for skin cancers. Total doses  
15 were very similar. And the PoCs were very similar  
16 at around 48 percent.

17 CHAIR KOTELCHUCK: Right.

18 DR. BUCHANAN: And so we see that if we  
19 compare the methods used in Table 2-1, they are the  
20 same. There's a slight bit of difference in the  
21 unmonitored and modeled photon dose there, that the  
22 NIOSH dose reconstructor used supervisory data and

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1 we used the interpolation of the data from 1980 and  
2 1984. They were similar but slightly different  
3 values, but it was nice to see that using two  
4 different methods came out to similar values.

5 And the only other difference with the  
6 internal dose was that NIOSH used some values based  
7 on tables from 1980 to 1990 and assigned a  
8 log-normal and constant distribution. SC&A based  
9 theirs on maximum permissible concentrations and  
10 assigned dose only after the SEC expired in '85.  
11 And so we assigned it only for '86 through '90 and  
12 assigned it as a log-normal distribution. And so  
13 those are the two major differences.

14 On the recorded dose, we see, on page  
15 11 of my report anyway, at Section 2.1.1, no  
16 differences. So I don't really need to go through  
17 that. We just used the recorded dose and  
18 appropriate values.

19 Missed dose, there were some  
20 differences there. And we both assigned nine  
21 missed doses. SC&A assigned one shallow missed  
22 dose and NIOSH assigned two shallow missed doses.

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1                   And you'll see that the missed photon  
2 doses, the difference, we both assigned nine, but  
3 we used the LOD of 0.02 millirem that's given in  
4 the Grand Junction guidance, and came out, of  
5 course, we have outlined there in Table 2-2, as 0.09  
6 rem.

7                   NIOSH used the same nine missed doses,  
8 but it used an LOD of 50 millirem. And, of course,  
9 we both used a dose conversion factor of one for  
10 skin cancer. And, of course, arrived at a larger  
11 dose because of the larger LOD value they used of  
12 0.225 rem. And this was outlined or summarized in  
13 Table 2-3.

14                   And so we find that we used the LOD of  
15 20 millirem, and they used the LOD of 50 millirem,  
16 and that was the difference in the assigned doses  
17 there, the missed dose.

18                   The missed dose, missed shallow dose,  
19 we both applied --

20                   MR. SIEBERT: I'm sorry, Ron?

21                   DR. BUCHANAN: Yes?

22                   MR. SIEBERT: This is Scott. I just

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1 want to clarify, since we are hitting a point where  
2 there is a difference.

3 We agree that the 20 millirem LOD is  
4 what should have been used. The dose  
5 reconstructor made an error in this issue and used  
6 the wrong LOD. So, I just want to point out that  
7 was the difference.

8 DR. BUCHANAN: Okay, thank you for  
9 clarifying that.

10 And so that brings us up to missed  
11 shallow dose and we both applied a clothing  
12 attenuation factor of 0.855, because it was on  
13 their clothing, a dose conversion factor of one and  
14 assigned it as a 30 to 250 keV missed shallow dose.  
15 We both assigned it that way. However, again, the  
16 LOD value of 20 versus 50 comes into play. And so  
17 they assigned a greater dose than we did. We  
18 assigned 9 millirem. They assigned 43 millirem.  
19 And we both assigned it with a log-normal  
20 distribution. So, that, again, same reason for  
21 the difference there.

22 Okay, we have unmonitored photon dose.

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1 This is Section 2.1.3. There was periods when the  
2 worker was not monitored in the early 1980s, and  
3 there were some gaps in the late 1980s, the second  
4 half of the 1980s. And so we used the -- Grand  
5 Junction doesn't have a TBD per se. They have a  
6 dose reconstruction template. And so what we --  
7 SC&A used somewhat of a different approach, as  
8 outlined there, for 1980 to 1985, looked at some  
9 of the workers data and used a workers data plus  
10 a missed dose, came out with 80 millirem per year.  
11 And the value for 1985 in Grand Junction was given  
12 as 90 millirem.

13 So, this is what SC&A thought those were  
14 fairly close and used those values and assigned it  
15 for about five years and assigned a total of 2.433  
16 rem.

17 For the gap period, SC&A used, again,  
18 the values given in the template and had a total  
19 gap there in the later 1980s of two years where the  
20 person didn't appear to be monitored or the records  
21 weren't available or whatever. And so they  
22 assigned 0.134 rem there in that gap period in the

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1 later '80s.

2 Now, looking at NIOSH, they assigned an  
3 unmonitored period and they used the Grand Junction  
4 template and assigned it as an operator-laborer  
5 category and they assigned a total dose of 2.529  
6 rem. And so the doses were very close. When you  
7 add them up, we assigned a total of 2.567 for the  
8 whole period and they assigned 2.529. So, using  
9 two different methods, we came up with very similar  
10 doses.

11 Now, Section 2.1.4, unmonitored  
12 shallow dose, in this case SC&A assigned one missed  
13 dose. NIOSH assigned two. And we both assigned  
14 them as greater than 14 keV electrons because it  
15 was skin cancer. And so it came out that we  
16 assigned 3.292 and they assigned 3.244 rem. And  
17 so there's a slight difference, and this is  
18 discussed in the previous sections for why there  
19 were slight differences there.

20 Okay, so, neutron dose. Okay, the  
21 worker was not -- this is Section 2.1.5 -- was not  
22 monitored for neutrons. And so, according to the

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1 Grand Junction template, it has your assigned  
2 neutron dose during this period and with a  
3 weighting factor of 9.91. And we did that and came  
4 out with very close doses of 1.292 and 1.286. And  
5 mainly, this dose difference was due to how you  
6 calculate fractions of the year and rounding as you  
7 put them in the IREP table. So, we both assigned  
8 those as constant distribution. So, there is very  
9 little difference there.

10 Section 2.1.6 is an occupational  
11 medical dose. And since the worker did not work  
12 at a covered facility that did it onsite, it did  
13 it offsite, so it wasn't assigned by either SC&A  
14 or NIOSH.

15 And Section 2.2 is occupational  
16 internal dose. Now, this is where we kind of went  
17 in different paths to get to the same approximate  
18 answer.

19 There was no internal bioassay  
20 dosimetry data, and so NIOSH and SC&A, as described  
21 here, SC&A assigned internal intake from uranium,  
22 and then in the next section from thorium, and

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1       mainly used -- we assigned internal dose only after  
2       the SEC expired in '85. So, it was '86 through '90.

3               And so we assigned that based on maximum  
4       permissible concentrations, and it shows the  
5       calculations there how we derived the intake.  
6       That would be the maximum. The estimate on the MPCs  
7       were exceeded and we applied the fraction of the  
8       uranium for inhalation to that, come up with one  
9       times ten to the minus three microcuries per year.  
10      And also could have been ingestion. We followed  
11      OTIB-9, calculated that intake.

12              And we used these intakes, as shown in  
13      Table 2-4 in the Chronic Annual Dose Workbook, and  
14      to derive the internal uranium dose to the skin,  
15      and found that Type F provided the largest dose,  
16      and that was 4 millirem. Of course, very low for  
17      skin doses.

18              And then we move down to the next page.  
19      We looked at the thorium. And then on the thorium,  
20      we used the same method. We looked at the MPCs and  
21      there had been some time studies, time-weighted  
22      average studies done. And so we used that

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1 time-weighted value of 307 MPC hours, instead of  
2 the 520 for the uranium that we had used before  
3 which should be the maximum. And we did the same  
4 thing as we did for uranium and calculated the  
5 intake.

6 And Table 2-4 there lists the total  
7 uranium, radon -- radium -- uranium, radium, and  
8 thorium intakes. And this, then, led to an  
9 assignment of 0.042 rem for Type M thorium and  
10 radium. So we add that to the 0.4 for the total  
11 intake for the internal dose.

12 Now, NIOSH used a different approach.  
13 They used some tables in the Grand Junction DR  
14 template and used the supervisor category to apply  
15 to the third quarter of 1986. The laborer category  
16 applied to the fourth quarter of 1986.

17 And so you see Table 2-5 lists their  
18 intakes and how they based those. And the total  
19 they assigned, then, was 0.053 rem. So, fairly  
20 close to us, but two completely different methods,  
21 so to speak, to arrive at it.

22 And so we assigned 0.046 rem. They

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1 assigned a total of 0.065 rem. So, there was a  
2 slight difference but two completely different  
3 methods to derive it.

4 This brings us to the summary in Section  
5 3. And we see, if we look at the total external,  
6 very close; total internal, fairly close; total,  
7 fairly close; and the PoC was fairly close. And  
8 we see that the slight difference in assigning  
9 doses was mainly due to the LOD value selected and  
10 one versus two missed shallow doses. And then for  
11 internal, it was mainly due to the overall  
12 methodology used to assign that. The rest of the  
13 external doses were fairly close and agreed with  
14 each other.

15 So, that's a summary of that. I'll  
16 open for any questions.

17 MR. SIEBERT: This is Scott. Just one  
18 other clarification. The difference in-between  
19 here was, I noted that SC&A applied the SEC that  
20 was effective in mid-2015, which is exactly  
21 appropriate, how they should have done it. We,  
22 however, did the claim prior to the SEC being final.

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1 So, we actually assigned internal during an earlier  
2 timeframe, where they did not because the SEC tells  
3 you not to.

4 So, once again, just like Ron was  
5 saying, a slight difference but I just wanted to  
6 point out that is why there was one difference  
7 there.

8 DR. BUCHANAN: Okay, thank you.

9 MS. BEHLING: And this is Kathy. I  
10 also wanted to point out that it just so happens  
11 that the Grand Junction template has been reviewed  
12 by SC&A, because there was a change that was issued  
13 under a PER and SC&A has reviewed that template.

14 (Pause.)

15 MR. KATZ: Dave, are you with us?

16 CHAIR KOTELCHUCK: Oh, wait a minute.

17 MR. KATZ: I heard you for a moment.  
18 Maybe you just put yourself on mute again.

19 CHAIR KOTELCHUCK: I'm sorry. I was  
20 on mute. Thank you for catching me.

21 I was going to ask about the  
22 occupational medical dose. They were assigned to

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1 positions and measurements offsite. Right? And  
2 those are not compensated because they are not --  
3 right, as I remember?

4 MS. GOGLIOTTI: They are not covered.

5 CHAIR KOTELCHUCK: They are not  
6 covered. Remind me. We've talked about this a  
7 number of times before, but I'm still -- is that  
8 decision based on the legal analysis of the law that  
9 was passed? Right? That's a legal  
10 interpretation.

11 MS. GOGLIOTTI: Yes.

12 CHAIR KOTELCHUCK: Okay, because if we  
13 normally on -- it seems to me workers'  
14 compensation, not this federal law, but in state  
15 compensation, the medical dose measurements are  
16 required by the worker. The federal government  
17 required those measurements of people but they  
18 didn't count them. Now, we don't have any data or  
19 we may not have any data.

20 MS. GOGLIOTTI: Generally, we have the  
21 data but we just can't use it.

22 CHAIR KOTELCHUCK: Yeah. Well,

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1       that's -- okay, I -- I --

2                   MR. KATZ:    Dave, the law requires us  
3       to, and only allows us, to reconstruct doses that  
4       incurred at the facility.

5                   CHAIR KOTELCHUCK:   Right.  I abstain  
6       from further comment.  Let's say that, on the  
7       record.  Because there seems to me to be issues  
8       that claimants may have.  However, this is a legal  
9       decision and the law is the law and I'm not a lawyer.  
10      And I, therefore, have nothing more to say.

11                   Let's go on, okay, for the next case.

12                   MS. GOGLIOTTI:   Okay, I believe the  
13      last case is RFP.  Doug, are you on the line?

14                   CHAIR KOTELCHUCK:   You say the last  
15      case.  Have we --

16                   MS. GOGLIOTTI:   Well, at the last  
17      meeting we covered three cases.

18                   CHAIR KOTELCHUCK:   Right.  Yes, sure.  
19      Right.  Okay.

20                   MS. BEHLING:    In the table that you  
21      received today, that was submitted today, that was  
22      for --

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1 CHAIR KOTELCHUCK: Twenty-three.

2 That's right.

3 MS. BEHLING: -- haven't started  
4 really reviewing and talking about those.

5 CHAIR KOTELCHUCK: Right, okay.  
6 Sure. Okay, let's go on to that.

7 MS. GOGLIOTTI: Is Doug on the line? I  
8 wonder if he got disconnected.

9 MS. BEHLING: I will email him.

10 MS. GOGLIOTTI: Thank you, Kathy.

11 MR. KATZ: Who are you looking for?  
12 John?

13 MS. GOGLIOTTI: Doug.

14 MR. KATZ: Oh, Doug. Okay. Yes, he  
15 was on earlier. While we are looking for Doug, is  
16 there any reason not to proceed into the other  
17 blind, the most recent set of blind cases?

18 CHAIR KOTELCHUCK: Yes, we haven't had  
19 a chance to review -- the Subcommittee hasn't had  
20 a chance to review them.

21 MR. KATZ: Oh, you mean you haven't  
22 read them. Oh, okay.

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1 CHAIR KOTELCHUCK: I haven't read the  
2 reports.

3 MR. KATZ: Oh, okay, got you.

4 CHAIR KOTELCHUCK: I looked at the  
5 tables.

6 MR. SIEBERT: This is Scott. Since  
7 we're discussing that, if we start on those on the  
8 next meeting, could I get a list of which ones? If  
9 we're going to do all six, that's fine. If we're  
10 going to do a subset, that's fine, too. Just if  
11 we could know which ones so that we can prepare in  
12 a timely manner as well, that would be helpful.

13 CHAIR KOTELCHUCK: Absolutely. So,  
14 let's see what we have for the next time, because  
15 the next time we have the remaining cases in Sets  
16 14 through 18.

17 While we are waiting, on Set 23, how  
18 many blinds?

19 MR. KATZ: There are six cases.

20 CHAIR KOTELCHUCK: There are six cases  
21 that are completed?

22 MR. KATZ: Yes.

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1 CHAIR KOTELCHUCK: Okay. Alright.  
2 So, I mean, the question is whether we do three or  
3 six.

4 MR. KATZ: Yeah. And so, again, along  
5 with -- related to my concerns I expressed earlier  
6 about wanting to get through the backlog, I just  
7 would, I guess, urge you to consider just keeping  
8 it to three so we can spend more time on these  
9 regular DR reviews, getting through those.

10 CHAIR KOTELCHUCK: Right. And that  
11 was my inclination, not expressed. And you  
12 expressed them. So, I agree. So, we will do  
13 three. I mean, it seems to me three cases would  
14 be plenty.

15 CHAIR KOTELCHUCK: So, Rose, if Rose  
16 would just -- Rose, you folks can just go ahead and  
17 select three that makes sense for whatever reason.

18 CHAIR KOTELCHUCK: Right. And inform  
19 --

20 MR. KATZ: Right, notify Grady and  
21 Scott.

22 MS. GOGLIOTTI: Okay, we can certainly

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1 do that.

2 MR. KATZ: Thanks, Rose.

3 CHAIR KOTELCHUCK: Okay. Well, we're  
4 still waiting. What is the Set 22 case we're  
5 waiting on? I forget.

6 MS. GOGLIOTTI: The RFP case.

7 CHAIR KOTELCHUCK: Pardon?

8 MR. KATZ: Rocky Flats.

9 CHAIR KOTELCHUCK: Rocky Flats.  
10 Okay, that's it.

11 MR. KATZ: Doug, have you joined us?

12 (No response.)

13 CHAIR KOTELCHUCK: Okay.

14 MR. KATZ: So, someone was calling  
15 Doug. Is that what I understood?

16 MS. GOGLIOTTI: Kathy is contacting  
17 him.

18 MR. KATZ: Okay, great. Maybe,  
19 everyone, should we just take a ten-minute comfort  
20 break?

21 CHAIR KOTELCHUCK: Okay. Well, I was  
22 going to take it a little later but that sounds like

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1 a good idea. It is 2:20. See you all back at 2:30.

2 (Whereupon, the above-entitled matter  
3 went off the record at 2:20 p.m. and resumed at 2:31  
4 p.m.)

5 CHAIR KOTELCHUCK: Okay, please begin.

6 **Rocky Flats**

7 MR. FARVER: Okay. Let's see. We've  
8 got the comparison table up on Live Meeting.

9 CHAIR KOTELCHUCK: Mm-hm.

10 MR. FARVER: So we can see that now  
11 we're looking down on the RFP line.

12 CHAIR KOTELCHUCK: Right.

13 MR. FARVER: Okay. So, we can see that  
14 there's not too much difference between the  
15 external dose, the internal dose, or the total  
16 dose.

17 I think it works out to be a total  
18 difference between the total dose of maybe three  
19 percent, and less than one percent between the  
20 internal doses, and a little higher between the  
21 external dose, but we could talk a little bit about  
22 that. But that's the most difference. All in

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1 all, it's pretty close all around the line.

2 CHAIR KOTELCHUCK: Absolutely. So,  
3 let's go. Here we are, Table 1.1.

4 MR. FARVER: Table 1.1. Now, do you  
5 want me to go through everything or just the ones  
6 that are significantly different? Because we can  
7 look at this table, we can talk about each one, but  
8 you're going to see there's not going to be much  
9 difference between most of them.

10 CHAIR KOTELCHUCK: Right. Why don't  
11 we go over them and then agree to talk about the  
12 ones that are a bit different? So, let's start out  
13 with the first --

14 MR. FARVER: And we can look at the  
15 photon dose, recorded dose. And if you look at the  
16 30 to 250 keV photons, there is almost no  
17 difference, a difference of 10 millirems or so,  
18 less than 10 millirems.

19 And then the shallow dose, less than 30  
20 keV, that's a little higher, but it's at 23, 24  
21 millirem. There isn't a whole lot of difference  
22 between the two.

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1 CHAIR KOTELCHUCK: Right. So, I don't  
2 think that we need further explication.

3 MR. FARVER: Okay, really if you just  
4 look down, just quickly scan down the recorded  
5 neutron dose on both sides, you can see that there  
6 is not much --

7 CHAIR KOTELCHUCK: Right.

8 MR. FARVER: -- difference in the  
9 recorded dose.

10 CHAIR KOTELCHUCK: Right. That  
11 sounds good. So, let's go --

12 MR. FARVER: You are going to see the  
13 most significant difference between the missed  
14 dose and on down here we will get into the coworker  
15 dose.

16 CHAIR KOTELCHUCK: That sounds okay.

17 MR. FARVER: So, that is where you are  
18 going to see the difference on the external side.

19 CHAIR KOTELCHUCK: Okay, let's talk  
20 about those.

21 MR. FARVER: Well, we can talk about  
22 the missed photon dose.

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1 CHAIR KOTELCHUCK: Okay.

2 MR. FARVER: And so we have a  
3 difference of gosh, not too much between on the 30  
4 to 250 keVs. It works out to be about 15 percent  
5 difference. And on the missed photon dose, it is  
6 double, basically.

7 CHAIR KOTELCHUCK: Right.

8 MR. FARVER: 15 millirems. And I call  
9 up -- I'm trying to look at what is on the screen  
10 and also what I have.

11 CHAIR KOTELCHUCK: Right. You know  
12 the previous, when Ron was doing it, we actually  
13 had a table that -- this has the discussion in the  
14 text, which is fine. There we go. It is easier  
15 for us to compare visually.

16 MR. FARVER: Yes. Go down and look at  
17 the missed photon doses.

18 CHAIR KOTELCHUCK: Okay.

19 MR. FARVER: You can see the difference  
20 there is going to be the number of zeros.

21 CHAIR KOTELCHUCK: Yes.

22 MR. FARVER: This is what we see a lot

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1       when we look at these dose reconstructions. It is  
2       how you interpret the number of zero readings. And  
3       in this case, NIOSH interpreted 75, and we  
4       interpreted 52. And that is the difference, other  
5       than there is going to be a slight difference  
6       between us and them when we do the Monte Carlo  
7       calculation. But essentially, the big difference  
8       is going to be for the missed photon doses and then  
9       the number of zeros.

10               MEMBER MUNN: That is the specific  
11       information I would like to hear, personally. I  
12       like to know exactly why the two are not -- when  
13       there is a brief difference in approach or a  
14       specific reason why the figure is different, that  
15       is important for my little brain to absorb.

16               MR. FARVER: And while we are looking  
17       at that table there, if we could just look up a  
18       little bit on the recorded photon doses, you notice  
19       there wasn't much difference in the recorded photon  
20       dose.

21               CHAIR KOTELCHUCK: Right.

22               MR. FARVER: That is because

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1 everything was the same except they used the  
2 Weibull distribution and the Monte Carlo  
3 calculation.

4 CHAIR KOTELCHUCK: Right.

5 MR. FARVER: I don't see a whole lot of  
6 difference.

7 CHAIR KOTELCHUCK: But for missed  
8 photon doses, there is, and the question is why.

9 MR. FARVER: Why, which was the number  
10 of zeros interpreted differently by two different  
11 people.

12 MEMBER MUNN: That's fine. Very good.

13 MR. SIEBERT: Were you going to go into  
14 the difference between what you did, we did, and  
15 why in the coworker, or were you going to cover that  
16 later, or how are we going to do that?

17 MR. FARVER: Well, we are going to just  
18 go down the table and get to the coworker, I  
19 imagine.

20 MR. SIEBERT: Because both of those  
21 pieces actually tie together.

22 MR. FARVER: They do.

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1 CHAIR KOTELCHUCK: Okay. So, would  
2 you suggest that we keep going and then keep this  
3 in mind?

4 MR. FARVER: Yes, we will just keep  
5 going, and then we can get to the point that Scott  
6 wants to talk about. Rarely, when you get into a  
7 missed photon dose, the missed doses and the  
8 coworker dose, a lot of it is how you interpret the  
9 data.

10 CHAIR KOTELCHUCK: Aha, okay.

11 MR. FARVER: Do you assign a missed  
12 dose where you have a zero dosimeter reading, or  
13 do you assign it as a coworker time period.

14 CHAIR KOTELCHUCK: Good. Okay, then.

15 MR. FARVER: So, if we move down to the  
16 next page -- well, we can look for the unmonitored  
17 photon doses right next to it, which is right on  
18 the bottom.

19 CHAIR KOTELCHUCK: Yes.

20 MR. FARVER: Well, we can see that one  
21 of the main differences is going to be the time  
22 period assigned for the coworker dose or the

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1 unmonitored dose. And you can see there is a  
2 difference in the months interpreted.

3 And I think this is one of the things  
4 that Scott was talking about is it depends on how  
5 you interpret these time periods and then what you  
6 assign as missed dose or unmonitored dose.

7 And when you combine the two, that is  
8 where you might see differences in individual ones,  
9 but when we look at them combined, we don't see that  
10 much of a difference.

11 CHAIR KOTELCHUCK: What gives you -- in  
12 your analysis, what gives you the -- what  
13 determines for you when you are going to go for  
14 coworker and when you are going to go for missed  
15 dose? Because there are differences.

16 MR. FARVER: And I think I would like  
17 to let Scott address this because he is more  
18 familiar with this.

19 CHAIR KOTELCHUCK: Okay.

20 MR. SIEBERT: Sure. It really comes  
21 down to what you consider an unmonitored short  
22 period and how to address it. The IG001, which is

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1 the external dosimetry IG, gives some information  
2 as to short-term gaps and whether we should  
3 actually assume that they were unmonitored and you  
4 should use coworker, or they were unmonitored or  
5 potentially unmonitored, and we should average out  
6 the information if we have dose information on  
7 either side of the gap.

8 We have, Rocky Flats, being as it is and  
9 so complex when it comes to their external  
10 dosimetry, we have put into the TBD as well as the  
11 DR guidance document pretty clear steps as to how  
12 to consider those short-term gaps, and that is  
13 really the difference we are seeing here.  
14 Whenever we saw a short-term gap, which is  
15 generally less than three months, less than a  
16 quarter, we interpolate the values between the  
17 external dose values, badges on either side of that  
18 short-term gap. That is directly coming out of  
19 IG001.

20 CHAIR KOTELCHUCK: Ah.

21 MR. SIEBERT: And I know 1990 actually  
22 is a really good example, when you look at this

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1 table. Because, if you notice, we have no periods  
2 where we are dealing with it, and SC&A had almost  
3 five months.

4 CHAIR KOTELCHUCK: That's right.

5 MR. SIEBERT: And the difference is, if  
6 we actually looked at the data for 1990, which I  
7 have it in front of me, there are results pretty  
8 much every other month, pretty close. So, we never  
9 had a time period that was greater than three months  
10 during that whole year. So, we used the gap-fill  
11 methods for that whole year for the time frame for  
12 the very short gaps in-between monitoring time  
13 frames.

14 When we do that, we are going to  
15 interpolate between the actual data that we have,  
16 whereas, Doug correct me if I am wrong, I believe  
17 SC&A took that chunk of time and called that  
18 coworker instead.

19 MR. FARVER: Yes.

20 CHAIR KOTELCHUCK: Right.

21 MR. SIEBERT: And that right there is  
22 the basic difference of the interpolation of the

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1 short-term gaps.

2 CHAIR KOTELCHUCK: That is very  
3 helpful. And that also explains, as I am looking  
4 at the first years, the '85 through '89, the numbers  
5 we are talking about, how the beginning and the end  
6 of the period, that many of the numbers from NIOSH  
7 are a fractional bump beyond what SC&A gave.

8 MR. SIEBERT: Correct.

9 CHAIR KOTELCHUCK: For 1989, 11 versus  
10 11.7; 4.47, et cetera. Okay, good. That is --  
11 Wanda, that clarifies it for me, and I trust for  
12 you.

13 MEMBER MUNN: Yes.

14 CHAIR KOTELCHUCK: Good. Good.

15 MR. FARVER: Okay. Well, that pretty  
16 much covers any missed photon dose and the coworker  
17 or unmonitored photon dose.

18 CHAIR KOTELCHUCK: Right.

19 MR. FARVER: Okay. We go right next  
20 down the line is recorded shallow dose. We saw a  
21 little bit of a difference, and that is just the  
22 number of years. One result -- it looks like NIOSH

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1 assigned it for three years and then SC&A assigned  
2 it for two years.

3 CHAIR KOTELCHUCK: Right.

4 MR. FARVER: But it is still a very  
5 small difference. And then the missed shallow  
6 dose, you can see looking at the exact number of  
7 zeros.

8 CHAIR KOTELCHUCK: Right.

9 MR. FARVER: It's what we talked about  
10 before. It is how you interpret the time period.

11 CHAIR KOTELCHUCK: Right.

12 MR. FARVER: And then to the  
13 unmonitored or coworker shallow dose, you see the  
14 same thing.

15 CHAIR KOTELCHUCK: That's right.

16 MR. FARVER: The covered time period is  
17 different, how you interpret that as opposed to a  
18 missed dose.

19 CHAIR KOTELCHUCK: Okay.

20 MR. FARVER: And to the recorded  
21 neutron doses, we can talk about it; they're pretty  
22 much the same. Well, essentially the same except

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1 for the Monte Carlo and the Weibull distribution.

2 CHAIR KOTELCHUCK: Right.

3 MR. FARVER: They applied the glove box  
4 factor for the same year. And then the missed  
5 neutron doses, once again, number of zeros. NIOSH  
6 interpreted them as 81, and SC&A at 56. Everything  
7 else was essentially the same. So that will give  
8 you your difference between your missed neutron  
9 doses.

10 And then the coworker neutron doses is  
11 what we just talked about before. It comes down  
12 to time period. The method of the calculating of  
13 the dose is the same. It is the interpretation of  
14 the time period that is different.

15 CHAIR KOTELCHUCK: I will say that the  
16 NIOSH folks said that their interpretation was  
17 based on the written instructions, right? And I'm  
18 not -- why didn't SC&A follow those?

19 MR. FARVER: There is an averaging  
20 method described in IG001. And a lot of it depends  
21 on how you interpret the safe periods and what you  
22 -- whether it is quarterly or monthly or biweekly.

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1                   CHAIR KOTELCHUCK: I'm not going to  
2 pursue it further. Obviously, what I have in my  
3 mind, in the back of my mind and therefore coming  
4 out in these questions, are issues of consistency  
5 that we are going to be talking about later today.  
6 But that is --

7                   MR. FARVER: And when I was reading  
8 over the memo, this is one of the items that came  
9 to mind, whether it is the number of zeros that we  
10 interpret or the time period. Because I believe  
11 in the memo it talks about facilities we worked at.

12                   I think this is another example,  
13 especially the number of zeros. We have seen this  
14 before in our comparison of dose reconstructions  
15 where you interpret the number of zeros differently  
16 depending on what exchange frequency you assume and  
17 things like that. And the time period is just  
18 another method.

19                   I am not that familiar with the time  
20 period averaging method in IG001. I believe I have  
21 looked at it before, and I don't know if it is a  
22 consistency problem or not.

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1 CHAIR KOTELCHUCK: Well, we will think  
2 about that. And since things are really quite  
3 similar, I don't want to belabor this.

4 MR. KATZ: But just on this point,  
5 Dave, on consistency, the consistency we are  
6 concerned about is consistency at NIOSH, not  
7 between NIOSH and SC&A, if SC&A is using a different  
8 approach.

9 MR. FARVER: That is what I mean, Ted.  
10 I don't know if they are consistently applying it  
11 the same way or not.

12 MR. SIEBERT: This is Scott. I will  
13 tell you we are, because Procedure 6 covers this,  
14 IG001 covers this, as well as I mentioned, the DR  
15 guidance document for Rocky Flats is very  
16 prescriptive as to how to deal with these  
17 short-term gaps as well.

18 So, from our side of it, we are  
19 following all that written guidance.

20 CHAIR KOTELCHUCK: Good.

21 MR. FARVER: I know their DR guidance  
22 document is very prescriptive about exchange

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1 periods and time periods.

2 MS. BEHLING: Okay and this is Kathy,  
3 if I can ask one quick question. So, because I am  
4 not as familiar with the Rocky Flats TBD, there is  
5 no real specific guidance in the TBD, the Rocky  
6 Flats Technical Site Profile. Is that correct?  
7 You are pretty much relying on your DR guidance  
8 notes?

9 I'm sorry, I am probably confusing  
10 things.

11 MR. SIEBERT: No, it is a valid  
12 question. There is a lot of information in the  
13 TBD. The reason I am slowing down as I am answering  
14 that is I am looking furiously to see the most  
15 recent version of the TBD.

16 Okay, this is what I thought and I  
17 wasn't positive about. It hasn't been updated  
18 since 2010. So, yes, there is information in it,  
19 but it is not as prescriptive as the DR guidance  
20 document. And the assumption would be the next  
21 time we do a TBD, external TBD update for Rocky  
22 Flats, we will incorporate all of that information

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1 into the TBD itself.

2 MS. BEHLING: Okay. Yes, because I  
3 have mentioned before, often, we considered a TBD  
4 as a document that we would refer to maybe quicker  
5 than a guidance document that is not formally  
6 published. But I just wanted to have some  
7 clarification. I know the Rocky Flats Site is very  
8 complex.

9 CHAIR KOTELCHUCK: Okay, let's do go  
10 on, Doug.

11 MR. FARVER: Okay. Gosh, we are  
12 talking about the unmonitored or coworker neutron  
13 doses. We talked about the time periods, how they  
14 are different. So, that accounts for the huge  
15 difference between -- well, it is not a huge  
16 difference -- the difference between the SC&A and  
17 the NIOSH values for coworker neutron doses.

18 CHAIR KOTELCHUCK: Okay.

19 MR. FARVER: Other than that, the  
20 medical doses, those are essentially the same.  
21 There is not much difference. I think it comes  
22 down to SC&A assuming one other exam than NIOSH did.

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1 I believe that is the only difference, but they are  
2 still very close.

3 What is interesting is when you look at  
4 the totality of all of this, it is amazing that  
5 everyone is so close on everything, even though  
6 maybe individually you will see what you think is  
7 a wide difference. It all kind of evens out in the  
8 end.

9 But, you know, external ambient dose  
10 was not assigned. And then we get into the  
11 internal doses. Now, the internal doses for,  
12 let's see where we can see, for the plutonium,  
13 americium, uranium, the -- let me see if I can get  
14 the right ones here. Everybody assumed the same  
15 type materials, S, Super S, and plutonium,  
16 americium, uranium Type S.

17 The difference you are going to see in  
18 the doses is as we go down and look individually  
19 for the missed uranium doses, you are going to see  
20 a difference of a millirem between the two methods.

21 The americium, you see a difference of  
22 -- well, you don't see a difference between the

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1 americium doses. The missed plutonium and  
2 americium, a difference of 20-40 millirem. It is  
3 surprisingly equal. And the coworker plutonium  
4 and americium are the same exactly.

5 They did get essentially the same on  
6 both sides. And the doses show that. That is why  
7 the total difference between the internal doses is  
8 27 millirem, 19.724 to 19.697.

9 CHAIR KOTELCHUCK: That is not on our  
10 screen, by the way.

11 MR. FARVER: Those are tallies that I  
12 tallied up.

13 CHAIR KOTELCHUCK: Okay.

14 MR. FARVER: It would be -- it's in the  
15 final table.

16 CHAIR KOTELCHUCK: Okay, we are moving  
17 toward that.

18 MR. FARVER: If you get to the final  
19 table on page -- gosh, it is going to be down towards  
20 the end.

21 CHAIR KOTELCHUCK: Here we go.

22 MR. FARVER: I mean I can go through

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1 each one individually but --

2 CHAIR KOTELCHUCK: No, no.

3 MR. FARVER: -- it is kind of -- they  
4 did the same thing.

5 CHAIR KOTELCHUCK: Right.

6 MR. FARVER: I'm looking for the final  
7 table. I don't usually have one.

8 CHAIR KOTELCHUCK: Yes.

9 MS. GOGLIOTTI: This one is, I think,  
10 Doug.

11 MR. FARVER: I don't see it there.  
12 Okay.

13 CHAIR KOTELCHUCK: Well, we can go up  
14 to the first table, then, where it was all  
15 summarized.

16 MR. FARVER: The total internal dose  
17 for NIOSH was 19.724 rem. The total for SC&A was  
18 19.697 rem for the internal dose.

19 CHAIR KOTELCHUCK: Okay.

20 MR. FARVER: There is about 0.01  
21 percent difference.

22 CHAIR KOTELCHUCK: Right.

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1                   MR. FARVER: It was surprisingly the  
2 same.

3                   CHAIR KOTELCHUCK: I hope not  
4 surprisingly, but it was close. And it was close,  
5 and they both showed that there should be  
6 compensation.

7                   MR. FARVER: Yes, they did.

8                   CHAIR KOTELCHUCK: And that is  
9 important. Okay, good.

10                   Are there any comments, further  
11 comments? I talked a fair amount. Are there any  
12 further comments about this regard?

13                   MEMBER MUNN: No, it is just enormously  
14 reassuring, the end results.

15                   CHAIR KOTELCHUCK: Yes. Yes, I don't  
16 think we have done too many over 50 percent earlier  
17 in the first earlier sets of the blinds. I think  
18 mostly we took ones that were in the high 40s and  
19 had agreement.

20                   I don't recall whether we had any other  
21 ones that were above 50 percent, and they both came  
22 in above 50 percent. We had one or two, perhaps,

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1 in the first 20 cases.

2 MEMBER MUNN: We have always focused on  
3 noncompensable.

4 CHAIR KOTELCHUCK: Right because that  
5 is so important, but also, that once we were in that  
6 range so close to 50, that we come in the same in  
7 terms of decisions. It's important.

8 Okay, should we accept this folks? Am  
9 I right in saying this is now accepted?

10 MEMBER BEACH: Yes, I think so, Dave.

11 CHAIR KOTELCHUCK: Okay.

12 MEMBER MUNN: Agreed.

13 CHAIR KOTELCHUCK: Okay. Fine.

14 Doug, thanks.

15 MR. FARVER: Okay, thanks.

16 CHAIR KOTELCHUCK: So, we have  
17 finished now all six of the 22nd Set blinds. We  
18 will now next time go on to three of the next six  
19 blinds for Set 23.

20 And I think we are ready to talk about  
21 the memo on improving consistency that SC&A  
22 developed. And I must say, developed pretty close

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1 to -- let's see, they developed it in March of this  
2 year. So six months ago or more. More than six  
3 months ago.

4 Well, Rose, would you like to  
5 summarize? Now, we have all read it, I trust. And  
6 I hope we have thoughts that we want to express,  
7 but I think it would be good if we start out having  
8 Rose outline the arguments and the position that  
9 she made, briefly, if you can, assuming that we have  
10 all read it.

11 MS. GOGLIOTTI: I will do my best.

12 CHAIR KOTELCHUCK: Okay.

13 **Begin Discussion on Improving Consistency in Dose**  
14 **Reconstruction (SC&A Memo 3-11-16)**

15 MS. GOGLIOTTI: So, this idea came up  
16 actually in the Methods Review Work Group meeting  
17 in November of 2015. So, about a year ago. And  
18 Dr. Melius was concerned that the Board isn't  
19 adequately targeting consistency issues. And  
20 what I mean by consistency issues would be issues  
21 where professional judgment is involved.

22 So, if two NIOSH dose reconstructors  
23 were to do the same case, would they reach the same

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1 compensation decision? And they asked us to  
2 explore ways that the Board could target this  
3 issue, which -- and this will be very challenging  
4 to target. But we did a lot of brainstorming, and  
5 I think we came up with some ways that might work.

6 Historically, everyone knows that we do  
7 two types of dose reconstruction-related reviews.

8 CHAIR KOTELCHUCK: Could you speak  
9 just a little louder, please?

10 MS. GOGLIOTTI: Sorry.

11 CHAIR KOTELCHUCK: Okay.

12 MS. GOGLIOTTI: We have our normal dose  
13 reconstruction review, where SC&A reviews  
14 previously completed cases done by NIOSH, and we  
15 compare them against the guidance documents, when  
16 we find -- we identify technical and QA errors of  
17 findings. And then we also have our blind dose  
18 reconstruction reviews, where SC&A independently  
19 creates the dose reconstruction on the case, and  
20 then we compare our dose reconstruction to NIOSH's.  
21 Now, that method doesn't identify findings. We  
22 don't pass judgment. It is simply how well two

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1 independent dose reconstructors interpret the same  
2 data and come to what conclusion.

3 And so based on historically, we think  
4 that a non-blind approach would make more sense in  
5 doing a dose reconstruction. And in order to do  
6 that, we would, of course, have to modify our  
7 selection criteria to target consistency-related  
8 issues. And if we were to use this approach, we  
9 would have to select a number of cases from the same  
10 site. They would need similar employment history.  
11 And we actually suggest targeting sites without  
12 formal TBDs. The sites without formal TBDs tend  
13 to have less prescriptive approaches, and there is  
14 more room for professional judgment in those case.  
15 But there is also a drawback to that in that the  
16 cases without formal TBDs or the sites without  
17 formal TBDs, there is generally less of them, less  
18 claimants working at those sites. And so we would  
19 have less of an impact in consistency.

20 And we got to thinking we didn't love  
21 that approach, but that is one possible way to  
22 pursue this issue.

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1           The other thing we came up with would  
2           be to do a partial review or a focused review. So,  
3           something similar to what we do for the PER  
4           Subcommittee, where we would select a single issue  
5           in multiple cases and look at just a focused aspect  
6           of that particular review. And that would allow  
7           us to look at a larger sample of cases without  
8           spending the resources on doing the full dose  
9           reconstruction when we are only targeting a single  
10          issue.

11           This, again, would be if we wanted to  
12          target a specific issue of consistency, we would  
13          have to select the correct issue or an issue that  
14          we wanted to pursue.

15           SC&A, we did come up with some ideas of  
16          areas where we think there may be consistency  
17          issues, and this is not an exhaustive list by any  
18          means, but it is based on institutional knowledge.  
19          We didn't go back through our cases and base this  
20          on real data, but these are things in the back of  
21          our mind that we have always wondered if this is  
22          being done consistently.

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1           I won't go through them all in-depth.  
2       But areas of coworker dose, selecting the correct  
3       percentile; for skin cancers, is the same method  
4       in an X-ray dose always being applied; is use of  
5       in-vitro and in-vivo data properly identified;  
6       construction trade workers; Use of glove box  
7       correction factors; exposure area criteria; and  
8       handling the Oak Ridge Sites.

9           And if we were to do those, proper case  
10       selection is extremely important and very  
11       challenging. The cases would have to have similar  
12       exposure histories, similar work location,  
13       employment dates, and they would have to be  
14       completed within similar time frames because  
15       guidance documents change, and in order to see if  
16       they are being applied consistently, we have to use  
17       the same documents. And also, they would have to  
18       be near the 50 percent threshold. So,  
19       best-estimate, once you get into the maximizing and  
20       minimizing cases, consistency is really a lot less  
21       important because it is not impacting the  
22       compensation decision.

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1                   And so those are just some ideas we  
2                   threw out there.

3                   CHAIR KOTELCHUCK:   Okay.   And there  
4                   are a couple of other ones that you didn't discuss,  
5                   the last few, right?

6                   MS. GOGLIOTTI:   Well, I didn't go into  
7                   depth about the difference.

8                   CHAIR KOTELCHUCK:   Yes, okay.   So,  
9                   let's begin talking.   It does seem to me that the  
10                  notion of the partial analyses does seem to me to  
11                  make sense, and certainly, the coworker dose hit  
12                  me initially as one that has always been a matter  
13                  of concern.

14                  But I do think that there is more  
15                  information in the blinds.   I think we have done  
16                  enough blinds that in fact there is some  
17                  information there that will help us spot areas of  
18                  inconsistency by looking at --

19                  MS. GOGLIOTTI:   I think it is  
20                  important, Dave, to point out that the blinds  
21                  locate consistency between SC&A and NIOSH, and that  
22                  is not really what we are targeting.   You really

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1 want to target between NIOSH and NIOSH.

2 CHAIR KOTELCHUCK: Actually, yes, you  
3 are right. Good point. Okay.

4 Anyhow, other folks, what are your  
5 takes? What are your first impressions?

6 MEMBER BEACH: I guess -- this is  
7 Josie, Dave. Does NIOSH have -- and I don't want  
8 to say list, but is there ways that they can come  
9 up with something where we are using professional  
10 judgment more than not in different cases?

11 CHAIR KOTELCHUCK: Yes, good question,  
12 since it is the NIOSH consistency that we are  
13 talking about.

14 MR. CALHOUN: This is Grady, and my  
15 first reaction is that typically, I can't say on  
16 a site, you know site-by-site where we would use  
17 it more, but typically we use that more when there  
18 is no dosimetry.

19 And just another thing, not on that  
20 exact question, though, but she mentioned, you  
21 know, trying to get close to the 50 percent. We're  
22 already tapping that well pretty dry because just

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1 the total percentage of cases that are out there  
2 are very, very low that are between the 48 and 52.  
3 And I think that we have actually seen that when  
4 we have had to expand that range. So that is just  
5 a thought based on what she said before.

6 CHAIR KOTELCHUCK: You are saying that  
7 professional judgment is most common where we don't  
8 have Site Profiles?

9 MR. CALHOUN: No, where we don't have  
10 dosimetry. Like for example, let's just say  
11 somebody worked at XYZ Site, and we may have a giant  
12 Site Profile for it, and we don't have dosimetry.  
13 Maybe we have to decide whether or not the guy  
14 should have been monitored or not. That is usually  
15 the hot topic.

16 CHAIR KOTELCHUCK: Which would then  
17 manifest as coworker assignment?

18 MR. CALHOUN: Potentially.

19 MR. KATZ: I mean, Dave, so coworkers,  
20 sort of part of the issue is it may or may not be  
21 coworker, and that is part of the consistency  
22 issue.

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1 CHAIR KOTELCHUCK: Yes. Others?

2 MEMBER BEACH: I wonder if it would be  
3 possible to do like a sampling using a couple of  
4 different methods that SC&A suggested here just to  
5 see, to go forward and see what we did, what our  
6 dose reconstruction --

7 CHAIR KOTELCHUCK: Yes. In fact, yes,  
8 I agree. In fact that was the spirit of the comment  
9 that, well, why don't we compare blinds. But of  
10 course, you are -- correctly, I was corrected to  
11 say, yes, but we are interested in looking only at  
12 the NIOSH reconstructions.

13 So, yes, it would be very helpful if we  
14 are able to kind of get a sense of sample. I'm not  
15 quite sure how to do it, to determine which of these  
16 different kinds of cases or other ones should be  
17 looked at of the seven that were recommended by  
18 SC&A.

19 Grady, is that something? I don't know  
20 quite how to do it.

21 MR. CALHOUN: I'm struggling with  
22 that, too. I mean, since we provide the cases

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1 based on what you want to look at, we would have  
2 to have some kind of, I don't know, a fairly  
3 descriptive set of parameters that you want for us  
4 to try to go in and find these specific types of  
5 cases. I can't think of anything off the top of  
6 my head, at least that would be less laborious than  
7 going case by case and digging into them, which I  
8 don't particularly want to deal with.

9 CHAIR KOTELCHUCK: No, and I  
10 understand. Also, you have plenty of other things  
11 to do. So, in this --

12 MR. KATZ: Can I suggest Dave --

13 CHAIR KOTELCHUCK: Yes.

14 MR. KATZ: -- one thing that might be  
15 useful that I was thinking about as this was coming  
16 up was, I mean, this is sort of catching Grady and  
17 company cold, because they weren't really asked the  
18 question. SC&A was asked the question. But I  
19 just wonder if they would, if Grady and company and  
20 Scott would sort of put their heads together and  
21 maybe just give some thought as to what has been  
22 suggested by SC&A and whether they have better

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1 ideas for how they might go at this question from  
2 their own purposes as to where they might feel their  
3 consistency is a vulnerability and then how to get  
4 at that.

5 And if they can give some thought to  
6 that and get back to the Subcommittee, that would  
7 be helpful to have that, their perspective on that.

8 CHAIR KOTELCHUCK: It would be. And I  
9 was also thinking, because it is clear there is a  
10 lot of detailed, thinking and detailed discussion  
11 to do, I must say I was also thinking about a  
12 Subcommittee of the Committee to think about that.

13 Well, I mean it is hard to get our teeth  
14 into it. I mean first, Grady, do you think, and  
15 Scott, do you think that you could, would you be  
16 willing to get together and think about how you  
17 might, based, sort of taking off from SC&A's memo,  
18 how you might be able to do a sampling?

19 MR. CALHOUN: Sure. Yes, I can -- we  
20 will think about it. That's easy to do.

21 CHAIR KOTELCHUCK: Right. And I don't  
22 -- I am hesitant to say that the rest of the

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1 Subcommittee does nothing on this until we hear  
2 from you at the next meeting, which is a few months  
3 off.

4 And maybe I'm worried. Ted, you talked  
5 initially about how about let's see what we can do,  
6 that the Board would like to see this maybe in six  
7 months or so. It does seem to me there is a good  
8 chance that we won't even get this resolved for more  
9 like a year. Is that a problem?

10 MEMBER MUNN: If ever.

11 MR. KATZ: Wanda.

12 CHAIR KOTELCHUCK: If ever? Yes.  
13 No, you are absolutely right.

14 MEMBER MUNN: Well, it is one of those  
15 things. I am going to try to keep my comments  
16 halfway professional here. And it is very hard for  
17 me to do because I cannot see, personally, the real  
18 value in what we are being asked to do or why we  
19 are being asked to do this.

20 Starting from the premise that there is  
21 some accuracy in the old adage that consistency is  
22 the hobgoblin of small minds, one has to try to

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1 figure out what are we trying to do here, other than  
2 to show in some way that professional judgment has  
3 no place in the kind of activities that we are doing  
4 and that there must be some magical way so that we  
5 can make sure that every case is approached with  
6 the same rigor or with the same formula.

7 Given the complexity of what we have had  
8 to do, it seems almost impossible for me to do this.  
9 And that being the case, I think we are given a  
10 directive -- and I'm not sure. Did we direct  
11 ourselves to do this?

12 CHAIR KOTELCHUCK: No. Apparently,  
13 this came from the Methods.

14 MR. KATZ: Yes, and I think, Wanda,  
15 just to sort of make it a little more open or less  
16 of a hammer than I think you might be painting it  
17 as, I think what the interest is is just seeing how  
18 well, how consistent are we in dealing with matters  
19 that involve judgment. And seeing that just to see  
20 whether there are opportunities to tighten that up.

21 I don't think there was really a  
22 critical perspective behind or a negative

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1 perspective behind the recommendation that we take  
2 a look at this. But I think it was to see well,  
3 how well do we do in applying judgment in a  
4 consistent way when we have to apply judgment.

5 And again, we may find that we do as well  
6 as we can, or we may find that there are  
7 opportunities to tighten things up.

8 MEMBER MUNN: To me, it sounds like a  
9 very nice idea. But the truth of the matter is,  
10 it is catch-22. There is no way we can assess the  
11 value of professional judgments and the use of  
12 professional judgments without using our own  
13 professional judgment.

14 You know, I don't see any way out of that  
15 cycle.

16 CHAIR KOTELCHUCK: Well, you know, I  
17 think implicit in that is that the dose  
18 reconstructors have a range of professional  
19 skills. I'm not sure they have the experience that  
20 the Board has. I do see that there may be -- I  
21 don't know all the dose reconstructors. I don't  
22 know many of them. But I'm not sure that the level

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1 of knowledge that they bring in, the level of  
2 professionalism, I just don't know.

3 MEMBER MUNN: Well, is that our  
4 purview? Is that what we are being asked to do is  
5 evaluate the professional capabilities of the  
6 people who are doing that? Because that is really,  
7 from one perspective, that is what this comes all  
8 down to.

9 And well, I am going to stop because,  
10 as I said, I am going to try to address this in a  
11 professional manner, if I can. But suffice it to  
12 say, I think it is obvious I have real reservations  
13 if there is a point to this or that there is any  
14 legitimate value we can add.

15 CHAIR KOTELCHUCK: Well, I appreciate  
16 your comments, and, actually, I guess your -- I was  
17 not ever a part of the discussion about  
18 consistency. I was told that we had, apparently,  
19 and I thought it was at a Board meeting, been asked  
20 to do this.

21 MR. KATZ: Yes, it has been discussed  
22 at a Board meeting, but I mean I think it was

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1 discussed at one of the Work Group meetings for the  
2 Methods Group.

3 CHAIR KOTELCHUCK: Yes.

4 MR. KATZ: And just, again, Wanda, you  
5 have been around a long time, and so have the people  
6 that are on the Methods Work Group been around for  
7 a long time. And you guys, in addition to the  
8 Subcommittee here, you guys pair up and review  
9 cases before they get to the Subcommittee. And Dr.  
10 Melius, among others, has seen many, many, many  
11 cases over these years.

12 And so it is just a fair question. I  
13 think the question probably started with Dr.  
14 Melius, maybe not just with Dr. Melius, but that  
15 he has seen a lot of cases, and just the question  
16 is present to him that: are these sort of issues  
17 of judgment being handled in a consistent manner  
18 to the extent that they can be?

19 I just think it is a fair question to  
20 ask. And until you look, you can't really have any  
21 judgment as to whether there is any there -- any  
22 meat to analyze there in terms of differences. If

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1       it is all matters of just sort of as you are  
2       constructing, Wanda, if it is all matters simply  
3       of good professional judgment without a tightrope  
4       or without guidelines, but it is where you have to  
5       just apply your own personal, professional  
6       judgment, that may be all good. But there may be  
7       instances where professional judgment is being  
8       applied where more of a template could be  
9       constructed or more guidance to address certain  
10      matters.

11                   Just until you go there, I guess you  
12      can't know.

13                   CHAIR KOTELCHUCK: Well, but I do -- I  
14      mean I am troubled by the underlying implication,  
15      which I wandered into myself of: are we questioning  
16      or trying to evaluate the professionalism of the  
17      dose reconstructors with our professional  
18      experience on the Board? And that is a little  
19      troubling.

20                   And I am certainly going to think more  
21      about it, having opened up having all of us entered  
22      into this discussion.

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1           I will say, I mean our blinds, the blind  
2 cases that we are doing, it seems to me right now  
3 are absolutely the best thing that we can use to  
4 determine consistency because it takes the entire  
5 range of decisions and prescriptions that we have  
6 made and puts them all on the line, if you will.  
7 And so far, our results have been really quite  
8 gratifying.

9           So, could we do better? Well, I don't  
10 know. I think back now, even from this brief  
11 discussion, wanting to say to myself -- asking  
12 myself what will we gain from this.

13           Let's say we would like to be more  
14 consistent. We can always say that. But what  
15 would we be judging on consistency? Would we be  
16 evaluating the dose reconstructors? I think it  
17 is, by the way. I think that is what we would be  
18 doing, like it or not.

19           MEMBER POSTON: Well, the solution to  
20 making sure that everybody is consistent is, in the  
21 absurdity, is to have only one dose reconstructor.

22           CHAIR KOTELCHUCK: That's right.

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1                   MEMBER POSTON:  And in my -- I seem to  
2           remember, and I may be wrong, please correct me,  
3           but way, way back when we started this program, it  
4           was my understanding that these people had peer  
5           reviews, that there were people in ORAU or  
6           somewhere who looked at every dose reconstruction  
7           that was submitted, especially when you are working  
8           with a new person who is learning the ropes.

9                   So, is that still the fact?  Is there  
10          sort of a quality assurance check that is done on  
11          people, or once they reach a certain point, do you  
12          just let them go?  What are the answers to that?

13                  MR. CALHOUN:  This is Grady.  I will  
14          give you -- and Scott may be able to add.  But  
15          certainly, you have the dose reconstructor.  You  
16          have a peer reviewer.  That is from ORAU.  Then it  
17          comes over here to DCAS.  You have an HP over here  
18          that reviews it and signs it.  And then you have  
19          what we call a Tech Reviewer over here that just  
20          kind of looks at big picture items to make sure that  
21          nothing slipped through.

22                  So, there is a lot of levels of review

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1 here.

2 Now, one thing that I -- and we are going  
3 to do whatever you would like to do, and we will  
4 try and put our heads together. But I would try  
5 to think this through to the end. And what I am  
6 thinking is that, well, we used our professional  
7 judgment on this case, and this is what we decided  
8 to do. And someone over there says, you know, I  
9 would have done something different. Well, where  
10 do we go? You know? I don't know. And like Dave  
11 is saying there, I don't know what the end game is  
12 here. It is a little confusing to me. I'm afraid  
13 we are going to end up in a big shouting match at  
14 the end of some of these. But I guess it can't hurt  
15 to look.

16 MEMBER POSTON: Well, you have a  
17 reviewer reviewing a reviewer. I mean where does  
18 it stop? The question that I always like to ask,  
19 if it ain't broke, why are we trying to fix it? Is  
20 or is not the system that is in place acceptable  
21 to get consistency?

22 MR. KATZ: I would encourage the

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1 Subcommittee, given this nature of discussion, I  
2 mean sooner than later, I mean we have a Board  
3 meeting next week, as part of Dave's report out,  
4 I think you can reflect some of these concerns and  
5 get more input from the people that were on that  
6 Methods Work Group and the rest of the Board. This  
7 is a good time to sort of tap them up front to get  
8 more thinking about this.

9 CHAIR KOTELCHUCK: Well, that becomes,  
10 frankly, virtually an agenda item, because you  
11 don't open it up by me giving a two-minute report  
12 on what I think we said or best as I can summarize  
13 what we have said, because other people will speak.  
14 It would be a substantial discussion and it would  
15 be good.

16 MR. KATZ: Yes, there is nothing wrong.  
17 I don't need to add an agenda item for this. The  
18 DR Subcommittee reports out like all the Work  
19 Groups. It is not like we have spent hours  
20 discussing this. I mean this is really a few  
21 minutes of discussion, in terms of content we have  
22 here.

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1                   But I mean I think it is a good idea to  
2           get more input early, as opposed to the  
3           Subcommittee churning on this without more input  
4           from folks that have sort of instigated this.

5                   CHAIR KOTELCHUCK: Right. Well, that  
6           is --

7                   MEMBER POSTON: The problem is it is  
8           doubtful -- I have forgotten now all this, but it  
9           is doubtful that I could sit down and do a dose  
10          reconstruction. And I would challenge anybody on  
11          the Subcommittee that they probably can't either.

12                  MR. KATZ: I absolutely agree.

13                  MEMBER POSTON: So, what are we trying  
14          to answer here, and what kind of effort are we  
15          putting into something that perhaps doesn't need  
16          to be done? Don't we have the checks and balances  
17          already in place?

18                  MR. KATZ: That is all part of that,  
19          again, what you could raise if Dave raises this in  
20          part of his report, John, that is a thought to  
21          contribute to the discussion.

22                  MEMBER POSTON: Well, I hope I will be

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1 on the phone because I am not traveling.

2 MR. KATZ: Yes.

3 CHAIR KOTELCHUCK: Well, when we do our  
4 Work Group reports, we can certainly open it up.

5 I don't think other people, in fact I  
6 am quite sure other people have not seen the report  
7 that SC&A developed. Right?

8 MR. KATZ: I mean, I think at one point  
9 it was sent to everyone, but I can certainly  
10 distribute that. I can distribute that to  
11 everyone with the rest of the batches I send out  
12 before each meeting.

13 CHAIR KOTELCHUCK: Right. Why don't  
14 you? Why don't you? Because if we are going to  
15 talk about it at all, that was an opening shot in  
16 the discussion.

17 MR. KATZ: Right. And if we are ending  
18 up being tight on time, and there isn't really much  
19 time to even get into it at all, Dr. Melius will,  
20 I am sure, let you know that, and we can put this  
21 on for the next meeting.

22 CHAIR KOTELCHUCK: Okay.

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1                   MR. KATZ: A teleconference, for that  
2 matter.

3                   CHAIR KOTELCHUCK: Well, I am leaving  
4 with the thought, again, which several folks have  
5 raised now, what is the end game? Because I am not  
6 clear what the end game is. And I haven't decided  
7 in my own mind what we could reasonably come up  
8 with.

9                   If I may respond, John, to your comment,  
10 if it ain't broke don't fix it, if I am focusing  
11 on what is really broke, it is not our method of  
12 calculation. It is the absence of data that might  
13 have or should have been collected on the exposures  
14 of people over the years, and there is not a thing  
15 we can do about that.

16                   MEMBER POSTON: I agree completely.

17                   CHAIR KOTELCHUCK: And I mean  
18 sometimes we get into such details about a small  
19 amount of exposure when the big problem is that we  
20 are missing loads and loads of measurements that  
21 we don't have that we should have had.

22                   MR. KATZ: Alright, well, without it a

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1 lot of SEC Classes --

2 MEMBER POSTON: I mean, we all know  
3 that. I have been in the business since 1957, and  
4 I know that a lot of the records are not available.  
5 They are in terrible shape. You can't read them,  
6 all those kinds of things, but we have to do the  
7 best we can.

8 CHAIR KOTELCHUCK: And that is what we  
9 are doing.

10 MEMBER POSTON: But I am talking about  
11 the dose reconstructors. I mean, we have a method,  
12 a review method already in place. If someone has  
13 a reason to do this, I guess we ought to do it, but  
14 I don't see any justification for doing it. These  
15 guys and gals are professionals. I respect them  
16 all; I know most of them.

17 MEMBER BEACH: Dave, can I make a  
18 suggestion?

19 CHAIR KOTELCHUCK: Yes.

20 MEMBER BEACH: I know that the Dose  
21 Reconstruction Methods Work Group discussed this  
22 on November 5, 2015. It may be important for some

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1 of us that have a question about why we decided they  
2 needed to ask SC&A this question is maybe to review  
3 the transcript from that meeting. That might  
4 clear up some of this.

5 And I still think the spirit of the  
6 question is professional judgment. I have heard  
7 professional judgment being mentioned my whole  
8 time on the Board, and I think that it is the  
9 question we want answered. The checks and  
10 balances are in place, but a lot of times the end  
11 answer is, it is professional judgment.

12 So, I think it is just we are looking  
13 for consistency.

14 MS. BEHLING: Dave, this is Kathy  
15 Behling.

16 CHAIR KOTELCHUCK: Yes?

17 MS. BEHLING: Is it appropriate for me  
18 to just ask a question or interject something?

19 CHAIR KOTELCHUCK: Yes.

20 MS. BEHLING: Okay, I just am curious.  
21 And I'm not sure if I am going in the right direction  
22 here, but there was a period of time where NIOSH,

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1       they were doing internal blinds.    Would this  
2       consistency issue be answered by that process?  
3       I'm not sure that that is being done anymore, but  
4       what was done in the past, could that shed light  
5       on any of these consistency issues?

6                   CHAIR KOTELCHUCK:   Grady?

7                   MR. CALHOUN:   Yes, this is Grady.  We  
8       have not done any of those for a long, long time.

9                   I don't think it would because we are  
10       really just doing exactly what you guys are doing.  
11       We were picking up cases that had already been  
12       completed and just doing a dose reconstruction  
13       according to the current documents that are out  
14       there.

15                   But what you are looking at is you, at  
16       least what I believe you say you want to look at  
17       is let's just take two people with lung cancer that  
18       work at Savannah River Site from 1975 to 1983 in  
19       the same relative area and don't have dosimetry.  
20       One assigned coworker data; one didn't.  I mean  
21       that is kind of what I am thinking you are looking  
22       for.  Am I wrong?

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1 CHAIR KOTELCHUCK: Yes, but if you did  
2 those internal blinds, you did them years ago. So  
3 much has changed since then --

4 MR. CALHOUN: Oh, yes.

5 CHAIR KOTELCHUCK: -- because we are  
6 always upgrading our procedures, which is for the  
7 good, I mean to the point that we are able to get  
8 now lots of cases of blinds in which we have strong  
9 agreement between at least NIOSH and SC&A.

10 I don't see that those would be helpful  
11 to us today.

12 MR. CALHOUN: I don't think so either,  
13 Dave. And I think that the issue is that in my  
14 mind, I believe you are going to have to get at least  
15 two but probably more cases that are very, very  
16 similar in a lot of ways. And certainly at the same  
17 site and certainly with the same occupation and  
18 where they worked, really, and trying to make a  
19 determination if the same assumptions were made on  
20 two, three, four of those cases, and if not, why.  
21 That seems to be what they are looking for, I think.

22 CHAIR KOTELCHUCK: Yes.

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1 MR. KATZ: Grady, I think you're right.

2 CHAIR KOTELCHUCK: I think -- am I on?

3 MR. KATZ: Yes.

4 CHAIR KOTELCHUCK: Okay. One thing  
5 that possibly that could be done, you are right,  
6 Grady, that we have to look at cases where between  
7 45 and let's say 55 percent, going back to the old  
8 criteria, there aren't that many cases. And I  
9 don't know whether they have to have -- well, I  
10 guess they have to have similar cancers. Right?

11 MS. GOGLIOTTI: No.

12 CHAIR KOTELCHUCK: No. I'm wondering  
13 whether -- I mean, we can find out the body of 45  
14 to 52 percent, right? I mean we have actually been  
15 over that body. No, we have been over it in the  
16 reviews. We haven't been over it, excuse me, yes,  
17 in the Subcommittee reviews. But that is still,  
18 what is it 8 percent of all of the cases?

19 MR. CALHOUN: Something like that.

20 CHAIR KOTELCHUCK: Yes, and then 8  
21 percent of what, 30,000 cases? Right.

22 MR. KATZ: Yes.

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1 CHAIR KOTELCHUCK: So --

2 MR. CALHOUN: Some 46,000 in-house  
3 already.

4 CHAIR KOTELCHUCK: Yes.

5 MR. CALHOUN: But a lot of those we  
6 didn't do because of the SECs and whatnot.

7 CHAIR KOTELCHUCK: Right. So, we have  
8 30,000 -- 2,400 cases, roughly, at 8 percent.

9 I mean is there data that we -- are there  
10 enough cases that we can, with similar occupations  
11 and the same plant, right?

12 MR. CALHOUN: And the same era.

13 CHAIR KOTELCHUCK: Right, that we can  
14 compare. And the same era, right.

15 MEMBER MUNN: I can give you a one-word  
16 answer for that now.

17 CHAIR KOTELCHUCK: I think I know what  
18 your answer is. Go ahead.

19 MEMBER MUNN: No.

20 CHAIR KOTELCHUCK: No. And we could  
21 tabulate that. We could tabulate that, which is  
22 already a task for somebody, and answer with data

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1 that the answer is no. I mean, right? Your  
2 experience, Wanda, says the answer is no.

3 MEMBER MUNN: No.

4 CHAIR KOTELCHUCK: And I suspect you  
5 are right. Were we to amass a table of data of the  
6 cases that were done with best estimates by site,  
7 by occupation --

8 MR. KATZ: By era.

9 CHAIR KOTELCHUCK: -- by era.

10 MR. KATZ: And it is more than  
11 occupation because it is very different  
12 prophecies, right, even for a single occupation.

13 CHAIR KOTELCHUCK: Yes.

14 MR. KATZ: You are talking about people  
15 who work side-by-side, basically, you want to look  
16 at.

17 CHAIR KOTELCHUCK: Yes.

18 MR. CALHOUN: The same location and the  
19 same job.

20 MR. KATZ: Of a point, right.

21 CHAIR KOTELCHUCK: So, it may be that  
22 the data isn't there to do consistency. And that

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1 would put the whole thing to rest.

2 MEMBER MUNN: One still has the  
3 question, and to what end?

4 CHAIR KOTELCHUCK: That's right.

5 MEMBER MUNN: Once you have answered  
6 the question, is it possible to answer the  
7 question, if it is possible to answer the question,  
8 well, so what?

9 CHAIR KOTELCHUCK: By the way, you are  
10 absolutely right. To what end? We haven't been  
11 --

12 MEMBER MUNN: So we have been  
13 consistent; we have not been consistent. Yes.

14 CHAIR KOTELCHUCK: Yes. But even if  
15 we could come up with an end, and that is something  
16 that I certainly, and I think others, will want to  
17 think about now, is to what end do we want this?  
18 We may come up with the fact that even if we can  
19 figure out a proper end, that we don't have the data  
20 to check it out.

21 MEMBER MUNN: Well, basically,  
22 underlying my position is the fact that we are

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1 fooling ourselves into trying to believe that we  
2 are pursuing the scientific method here. And even  
3 if we are accurate in pursuing the quote scientific  
4 method, given the what ifs and other inclusions  
5 that we have added into or subtracted from the  
6 process, that we permitted to go on here, that still  
7 does not change the fact that scientific method  
8 tells us repeatedly, you can follow a method in  
9 doing a thing and still expect to have differing  
10 professional judgments on how to pursue this kind  
11 or any kind of scientific approach to anything.

12 If there were agreement in -- if there  
13 were absolutely concrete professional judgment  
14 agreement that one could reach, then none of us  
15 would be struggling with any of the issues we  
16 struggle even in daily life.

17 MR. KATZ: You know what I am going to  
18 suggest? I think, because you have all raised very  
19 interesting perspectives, I think what, instead of  
20 -- I had recommended to you that you might raise  
21 this at the next Board meeting, but I think you guys  
22 have enough material to chew on, or perspectives,

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1       which, again, are very interesting, that Work  
2       Group, the Methods Work Group can meet again. And  
3       you guys who are not on it, some of you are, can  
4       join it, and have this more full discussion of the  
5       whole concept. I think that would be a good thing  
6       to do.

7                   CHAIR KOTELCHUCK: That's a thought.  
8       I mean, of us sitting in on the Methods Work Group  
9       discussion, I had not thought about that.

10                  MR. KATZ: Dave, I think you are on it  
11       already.

12                  CHAIR KOTELCHUCK: No, I'm not.

13                  MR. KATZ: Oh, okay. Hmm, okay. I'm  
14       surprised at that. But, yes, so you could all join  
15       it.

16                  The Work Groups are not exclusive. As  
17       long as we don't end up with a quorum of the Board,  
18       we are fine.

19                  CHAIR KOTELCHUCK: Right. When does  
20       the Methods Group meet?

21                  MR. KATZ: Well, it doesn't have a  
22       meeting scheduled, but there is not a problem with

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1 doing that. So, we can certainly -- I can talk to  
2 Jim, and we can certainly -- he is the Chair of that  
3 group, and we could certainly have a meeting. It  
4 seems like it would be a very useful thing to do.

5 CHAIR KOTELCHUCK: It sounds like it  
6 would be. What do other Board Members think?

7 MEMBER CLAWSON: Well, this is Brad.  
8 You know I have been sitting back and listening to  
9 all of this. I think we all need to realize where  
10 to tie it all back to, and that is where  
11 professional judgment started to come in. And  
12 then coworker data started to come in.

13 You are right. Everybody's right but  
14 there is a lot of data out there that we are not  
15 going to be able to have or be there.

16 I think we need to take it back to the  
17 people that asked the question, that told us where  
18 we were headed and then put us into the middle of  
19 the problem.

20 The Methods people is where I think this  
21 really -- which way do they want to go? Because  
22 you are right; this is very hard to be able to figure

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1 out. But also when you start using professional  
2 judgment as a catch-all, too, that raises  
3 questions. And I think that is where the crux of  
4 this whole thing comes down to. And this is just  
5 my personal opinion.

6 CHAIR KOTELCHUCK: Well, I would  
7 certainly be happy to sit on Methods.

8 MEMBER BEACH: Yes, Dave, you are a  
9 Member of that Work Group.

10 MR. KATZ: I thought so.

11 CHAIR KOTELCHUCK: No.

12 MEMBER BEACH: I just pulled it up.  
13 Dr. Melius is Chair, myself, and --

14 CHAIR KOTELCHUCK: Oh, I'm sorry.  
15 That was the Methods Group to develop the report.

16 MR. KATZ: No, it is the Methods Group  
17 for Dose Reconstruction Reviews.

18 MR. KATZ: Dave --

19 CHAIR KOTELCHUCK: Oh, yes.

20 MR. KATZ: You are on it.

21 CHAIR KOTELCHUCK: Okay, I am thinking  
22 of the Procedures Subcommittee, I guess.

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1                   MR. KATZ:  No, that's right.  That is  
2                   a different group.

3                   CHAIR KOTELCHUCK:  That's right.  No,  
4                   no, you are right.  And I certainly have sat in,  
5                   and I have participated in those discussions.  I  
6                   guess I viewed that group as writing the report,  
7                   and now that the report is written --

8                   MR. KATZ:  Well, they were actually  
9                   assembled not really to write the report.  They  
10                  were assembled to think of the other matters of how  
11                  to go forward.

12                  CHAIR KOTELCHUCK:  You are right.  You  
13                  are right.  Because we suggest in the report that  
14                  we are going to try and continue to improve.

15                  MR. KATZ:  Yes.  So, anyway, as long as  
16                  I don't have a quorum of the Subcommittee at that  
17                  Work Group or a quorum of the Board at the Work  
18                  Group, we are good.  Which means I can take as many  
19                  as three out of the Subcommittee to that Work Group  
20                  to join that Work Group.

21                  CHAIR KOTELCHUCK:  Right, okay.

22                  MEMBER MUNN:  The Work Group already

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1 has Josie and both Daves on it. So there is three.

2 MEMBER BEACH: And Dave. And also  
3 Dave Richardson.

4 CHAIR KOTELCHUCK: Dave Richardson,  
5 correct.

6 MEMBER MUNN: That's what I said, both  
7 Daves.

8 MEMBER BEACH: And maybe we should go  
9 and review the transcript from the meeting when we  
10 discussed that.

11 MR. KATZ: Yes, I can tell you, though  
12 Josie, that discussion wasn't nearly as rich as the  
13 one you just had.

14 I think this is very useful thoughts to  
15 add to that discussion.

16 CHAIR KOTELCHUCK: Well, this has  
17 been.

18 MS. GOGLIOTTI: I have got the page  
19 numbers written down --

20 CHAIR KOTELCHUCK: Pardon?

21 MS. GOGLIOTTI: -- where this  
22 discussion happened in the transcript, and I can

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1 forward that to you.

2 MR. KATZ: Yes, Rose, if you would do  
3 that. Just send the Members that transcript  
4 reference. That would be great.

5 MS. GOGLIOTTI: Sure.

6 CHAIR KOTELCHUCK: Good. That sounds  
7 like a proper way to go. I will report to the Board  
8 that we had this discussion. That will open it up  
9 a little bit for the Board. And then I do think  
10 that Josie, your idea that we get together as the  
11 Methods Subcommittee and continue this discussion  
12 sounds good.

13 MR. BARTON: Dr. Kotelchuck, this is  
14 Bob Barton. Could I make a quick comment here?

15 CHAIR KOTELCHUCK: Surely.

16 MR. BARTON: Okay. I mean, there has  
17 been a lot of discussion about what sort of what  
18 the end game would be and what are we really going  
19 to derive from this.

20 I can give somewhat of a more  
21 simplistic, or I guess macro example of it. And  
22 Brad, you will be seeing this in short order, but

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1 it was related to our review of the Nevada Test Site  
2 Site Profile.

3 One of the things we did is we actually  
4 went in and said alright, well, how are these  
5 environmental doses actually being implemented and  
6 applied? Now, at NTS there were a couple different  
7 ways we could do it. There is OTIB-18, which is  
8 their facility air sampling program. There is the  
9 actual TBD. And then there is also a TBD for  
10 Tonopah, which had different intake rates  
11 entirely.

12 So, what we found was that among  
13 best-estimate cases, sometimes we did see  
14 variations on which methods were being used, and  
15 it wasn't entirely clear why.

16 And NIOSH took a look at it. And our  
17 comment there, and kind of came back, and the end  
18 result was we said yes, you know we should really  
19 almost set up like an itemized list of procedure  
20 and put that in the TBD. In this case, you are  
21 going to assign Tonopah intakes. In this case, you  
22 are going to assign the NTS TBD intakes.

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1           So, that is what I see as the end game.  
2           Now, maybe that is a simplistic example, but that  
3           was an area where we were in agreement that we could  
4           tighten the ship just a little bit here. So, I  
5           wanted to offer that up.

6           CHAIR KOTELCHUCK: Well, thank you.

7           MR. KATZ: Thanks, Bob.

8           CHAIR KOTELCHUCK: Yes. Thoughts?  
9           And particularly, you are talking about -- no, is  
10          it that we are talking about professional judgment  
11          in sites where we don't have Site Profiles?

12          MR. KATZ: No, at NTS we have a Site  
13          Profile and all.

14          CHAIR KOTELCHUCK: Yes, okay.

15          MR. KATZ: It is just a question of how  
16          much latitude there is in which method you are  
17          applying for certain exposures, it sounds like from  
18          what Bob is talking about.

19          So, I think also in that Work Group, I  
20          think let's get the transcript from this Work Group  
21          to share, for the Subcommittee to share with that  
22          Work Group, that portion, so that they can be

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1 familiar with how this discussion has gone.

2 CHAIR KOTELCHUCK: Sounds good.

3 MR. KATZ: Yes.

4 CHAIR KOTELCHUCK: Alright. Well,  
5 folks, this has been useful and interesting, both,  
6 and thought-provoking, which is always good.

7 So, I think we have come to the end of  
8 this. And I think we have come to the end of  
9 today's discussion.

10 **Next Steps/Future Meeting Date**

11 MR. KATZ: Yes. Do we want to try to  
12 schedule?

13 CHAIR KOTELCHUCK: Yes.

14 MR. KATZ: Okay. And again, the  
15 driving thing is how much we can get done when, so  
16 that we can have -- so, I will just ask Rose and  
17 Grady about time frames. Is two months going to  
18 give you -- I mean considering we have the holidays  
19 in-between us, how much time do you want before a  
20 meeting where you can turn to a lot of cases?

21 MS. GOGLIOTTI: If we are going to do  
22 our three blind cases at the next one --

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1 CHAIR KOTELCHUCK: Pardon?

2 MS. GOGLIOTTI: If we also focus on  
3 three blinds for the next meeting, from the 23rd  
4 Set --

5 MR. KATZ: Yes and we wanted to get into  
6 Type 2 cases and so on. We want to get a block of  
7 cases.

8 MS. GOGLIOTTI: -- I only need a week  
9 to put that together.

10 MR. KATZ: Yes.

11 MS. GOGLIOTTI: So, don't worry about  
12 me. I can meet any schedule.

13 MR. KATZ: So, Rose, are you basically  
14 just saying -- I mean you have to get back -- once  
15 Grady's folks give responses, you have to be able  
16 to review those responses, too, right?

17 MS. GOGLIOTTI: I have responses for  
18 everything, I believe, in the remaining AWE Sites  
19 Matrix.

20 MR. KATZ: Okay and is that Type 2  
21 cases, too?

22 MS. GOGLIOTTI: Those are Type 1 and

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1 Type 2.

2 MR. KATZ: Okay and then what about for  
3 other, the additional set?

4 MS. GOGLIOTTI: I have nothing -- I  
5 don't have anything in the 19th and 21st Sets.

6 MR. KATZ: Okay.

7 MS. GOGLIOTTI: I have entered it into  
8 the DR. I am just waiting.

9 MR. KATZ: My question is for the sets  
10 you have already in hand, you are saying, you have  
11 responses, is that already a whole meeting's worth  
12 of cases?

13 MS. GOGLIOTTI: Yes.

14 MR. KATZ: Aha. Okay. So, then there  
15 is no prep work to be done by -- other than preparing  
16 for the blind cases, NIOSH has already done its  
17 work, and you are ready to address that. That is  
18 what I am hearing.

19 MS. GOGLIOTTI: Correct.

20 MR. KATZ: Okay, super. Then we can  
21 schedule it for as soon as is practicable, really.

22 CHAIR KOTELCHUCK: Which would be

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1 mid-January, yes?

2 MR. KATZ: Let me pull up a calendar  
3 because I have to get a Federal Register notice out.

4 CHAIR KOTELCHUCK: Right.

5 MR. KATZ: That also gets slowed up  
6 over the holidays.

7 CHAIR KOTELCHUCK: But the Federal  
8 Register is published every day.

9 MR. KATZ: It may published every day.  
10 It doesn't get cleared through the Department every  
11 day, though.

12 CHAIR KOTELCHUCK: Oh, okay.

13 MR. KATZ: The publishing part is not  
14 the problem.

15 CHAIR KOTELCHUCK: I see.

16 MR. KATZ: Okay, so -- yes, because  
17 there is about two weeks in December, beginning of  
18 January that there are not many people around in  
19 the federal government who aren't using use or  
20 lose.

21 CHAIR KOTELCHUCK: Yes.

22 MR. KATZ: There is quite a bit of it.

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1 So, I would say we start looking at dates after --

2 CHAIR KOTELCHUCK: Martin Luther  
3 King's Birthday?

4 MR. KATZ: Yes, after Martin Luther  
5 King's -- exactly. That is exactly what I am  
6 looking at on my calendar.

7 CHAIR KOTELCHUCK: That is what I am  
8 looking at.

9 MR. KATZ: From the 17th forward, we  
10 can look at dates.

11 MEMBER BEACH: We have a Board call on  
12 the 25th.

13 CHAIR KOTELCHUCK: On the 25th?

14 MR. KATZ: The 25th is a Board call,  
15 yes.

16 CHAIR KOTELCHUCK: Okay, let me make  
17 sure I have it. Sure.

18 MEMBER MUNN: Let's just look at the  
19 17th and see if it is possible to do. Can we do  
20 the 17th?

21 CHAIR KOTELCHUCK: Yes.

22 MR. KATZ: Yes.

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1 CHAIR KOTELCHUCK: The 17th, did you  
2 mention?

3 MEMBER MUNN: Yes.

4 MR. KATZ: Yes.

5 CHAIR KOTELCHUCK: It's good for me.

6 MEMBER BEACH: It's good for me.

7 MR. CALHOUN: Yes, it works for me.

8 MR. KATZ: Well, so I have heard two of  
9 you.

10 CHAIR KOTELCHUCK: You know what? Is  
11 the 18th possible?

12 MR. KATZ: No.

13 CHAIR KOTELCHUCK: At a personal  
14 level.

15 MR. CALHOUN: Yes, it works for me.

16 CHAIR KOTELCHUCK: How is the 18th?  
17 My wife is having a cataract operation on the 17th,  
18 and I would like to be with her.

19 MR. KATZ: Oh, absolutely, right.

20 CHAIR KOTELCHUCK: But it is not  
21 necessary but if we can. So, is the 18th okay,  
22 Wednesday the 18th?

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1                   MEMBER BEACH: I have a class but I can  
2                   change it.

3                   CHAIR KOTELCHUCK: If that were  
4                   possible, that would be good. It sounds like  
5                   Wednesday the 18th.

6                   MR. KATZ: I haven't heard -- I have  
7                   only heard you two. How about Wanda and Brad?

8                   MEMBER CLAWSON: This is Brad. Now,  
9                   if we do it on the 18th, I can only be there until,  
10                  it would be 3:30. I have a meeting on that day,  
11                  but I can work up until then.

12                  MR. KATZ: Is that 3:30 your time or our  
13                  time?

14                  MEMBER CLAWSON: Your time.

15                  MEMBER BEACH: What about the 24th?  
16                  Does that work for anybody?

17                  CHAIR KOTELCHUCK: Let's see.

18                  MR. KATZ: The 24th is wide open for me.

19                  MEMBER MUNN: The problem with that is  
20                  we have a Board call the next day.

21                  MR. CALHOUN: The week with the 24th in  
22                  it is the HPS Midyear.

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1 MR. KATZ: Okay.

2 CHAIR KOTELCHUCK: Aha. I really --

3 MR. KATZ: What about the 19th?

4 MEMBER MUNN: Or for that matter, you  
5 know, it is probably a wiser idea to say away from  
6 the 19th and 20th. Does everybody go ape if we  
7 suggest a Monday?

8 CHAIR KOTELCHUCK: Which day?

9 MEMBER MUNN: Could we survive doing it  
10 on the 16th?

11 MR. KATZ: Well what --

12 CHAIR KOTELCHUCK: On the 16th?

13 MR. KATZ: No, we cannot. It is Martin  
14 Luther King Day.

15 What is the trouble with the 18th?

16 MEMBER BEACH: No trouble. Oh, Brad  
17 had a --

18 MR. KATZ: Oh, Brad has a conflict at  
19 3:30. We are normally -- okay.

20 Okay, how about the 23rd? That is a  
21 Monday that is okay.

22 CHAIR KOTELCHUCK: Yes.

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1 MEMBER MUNN: That's good.

2 CHAIR KOTELCHUCK: The 23rd.

3 MR. CALHOUN: Once again, I will be at  
4 the HPS meeting.

5 MR. KATZ: Oh, sorry. I forgot. I'm  
6 sorry.

7 MR. CALHOUN: That's alright.

8 MEMBER MUNN: The other option, of  
9 course, is doing it the preceding week, like on the  
10 12th.

11 MR. KATZ: No, it is getting too soon,  
12 given the Department's --

13 CHAIR KOTELCHUCK: Aha.

14 MR. KATZ: How about the 30th?

15 MEMBER MUNN: That works.

16 MEMBER BEACH: That works.

17 CHAIR KOTELCHUCK: Let me see. Let me  
18 try that, the 30th. After the call -- the 30th  
19 works well for me.

20 MEMBER MUNN: It's okay here.

21 MR. KATZ: Brad?

22 MEMBER CLAWSON: The 30th would be

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1 fine.

2 MR. KATZ: And John Poston? John, are  
3 you still on?

4 MEMBER POSTON: Yes, I'm here.

5 MR. KATZ: How is the 30th? It is a  
6 Monday.

7 MEMBER POSTON: Yes, any day.

8 MR. KATZ: Okay, so it sounds like --  
9 Josie, did you say the 30th is okay for you?

10 MEMBER BEACH: Yes.

11 CHAIR KOTELCHUCK: Good.

12 MR. KATZ: And it is good for Grady,  
13 right?

14 MR. CALHOUN: Yes.

15 MR. KATZ: Okay.

16 CHAIR KOTELCHUCK: Excellent.

17 MR. KATZ: Okay, so let's pen in the  
18 30th. I will ask David.

19 CHAIR KOTELCHUCK: Right.

20 MR. KATZ: But we have a quorum in  
21 either event.

22 You want to pick another -- the 31st,

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1 is that just as good, in case Dave needs some  
2 flexibility?

3 MEMBER MUNN: Yes.

4 CHAIR KOTELCHUCK: I think it is. Let  
5 me just check. One second. Yes, the 31st is fine.

6 MEMBER POSTON: Is that a Tuesday or a  
7 Thursday?

8 CHAIR KOTELCHUCK: It's a Tuesday.  
9 That is going to be hard for me. I have class on  
10 Tuesday and Thursday.

11 CHAIR KOTELCHUCK: Okay.

12 MR. KATZ: What about February 1st?  
13 That's a Wednesday.

14 MEMBER POSTON: Yes, I could do that.

15 CHAIR KOTELCHUCK: I could do  
16 Wednesday.

17 MR. KATZ: Okay, is that good everyone,  
18 February 1st, if necessary?

19 CHAIR KOTELCHUCK: As a backup.

20 MR. KATZ: Backup.

21 MEMBER CLAWSON: Ted, I have a meeting  
22 just like John does, he has -- every Wednesday, I

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1 have a lock-in meeting I have to do. But like I  
2 say, it is just at the very end of it there.

3 MR. KATZ: Okay, so that is fine. We  
4 will do it as a backup and ending an hour earlier  
5 won't be the end of the world.

6 CHAIR KOTELCHUCK: Right, exactly.

7 Okay, so the 30th of January.

8 MR. KATZ: The 30th or February 1st if  
9 the 30th doesn't work for Dave.

10 CHAIR KOTELCHUCK: That's right.  
11 Sounds good.

12 MR. KATZ: Sounds good. Okay.

13 **Adjourn**

14 CHAIR KOTELCHUCK: Thank you all.

15 MEMBER MUNN: You bet.

16 MS. GOGLIOTTI: Thank you.

17 MR. KATZ: Thanks, everybody.

18 MEMBER MUNN: Happy Gobble Day.

19 CHAIR KOTELCHUCK: Right. Right,  
20 Happy Thanksgiving.

21 MR. KATZ: Absolutely. Take care.

22 CHAIR KOTELCHUCK: Bye-bye, everyone.

**NEAL R. GROSS**

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1                   (Whereupon, the above-entitled matter  
2           went off the record at 3:50 p.m.)  
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