

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

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ADVISORY BOARD ON RADIATION AND
WORKER HEALTH

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SUBCOMMITTEE ON DOSE RECONSTRUCTION REVIEWS

+ + + + +

THURSDAY
APRIL 28, 2016

+ + + + +

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

PRESENT:

- DAVID KOTELCHUCK, Chairman
- 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
DAVE ALLEN, DCAS
KATHY BEHLING, SC&A
LIZ BRACKETT, ORAU Team
NICOLE BRIGGS, SC&A
RON BUCHANAN, SC&A
DOUG FARVER, SC&A
ROSE GOGLIOTTI, SC&A
STU HINNEFELD, ORAU Team
JOHN MAURO, SC&A
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 (10:33 a.m.)

3 **WELCOME AND ROLL CALL**

4 MR. KATZ: We'll begin with roll call,
5 but let me just note for anyone in the public that
6 the agenda is on the NIOSH website under the EEOICPA
7 section, the OCAS section for scheduled meetings,
8 today's date.

9 But there are really no substantial
10 materials available for the public, because we're
11 talking about cases here. Let me do conflict of
12 interest. And I'll just run through those.

13 (Roll call.)

14 MR. KATZ: Okay, Dave. It's your
15 meeting.

16 **CASE REVIEW ISSUE RESOLUTION FOR SETS 10-13**

17 CHAIRMAN KOTELCHUCK: Okay, very good.
18 You all have the agenda. And first item on the
19 agenda is one of the two remaining unreviewed cases
20 from Sets 10 through 13. Folks probably remember
21 that Sets 6 through 13 were Cases 101 to 334, 234
22 cases. Two were not reviewed, and this is one of

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1 them, because they were awaiting further action.

2 MS. GOGLIOTTI: Correction. We did
3 review it. We didn't review two cases, but this
4 is the case we reviewed. We just haven't finished
5 the resolution yet.

6 CHAIRMAN KOTELCHUCK: The question is
7 whether this --- I thought this was one that was
8 not included in our report to the Secretary.

9 MS. GOGLIOTTI: No, it is included.

10 CHAIRMAN KOTELCHUCK: It is included,
11 alright. Well, maybe you should present, and I'll
12 check my notes, or whomever is to be presenting on
13 this.

14 MS. GOGLIOTTI: Okay. Is John Mauro
15 still online?

16 DR. MAURO: Yes. I'm online. And if
17 you folks are ready to go with Coppers, Tab 282,
18 I'd be glad to go through that quickly.

19 CHAIRMAN KOTELCHUCK: Very good.

20 DR. MAURO: Okay. Coppers is an AWE
21 facility. And it basically did uranium
22 conversion. There was a DR review done by NIOSH

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1 in 2007. SC&A reviewed it and prepared its report
2 in February 2011. And it was discussed at a
3 September 24th, 2015 Subcommittee meeting.

4 The essence of the Subcommittee meeting
5 was that our concerns were that, at the time that
6 NIOSH performed the DR, it relied heavily on
7 TBD6001. This is a generic TBD that applies to all
8 uranium conversion facilities.

9 It turned out, in the interim, between
10 the time when NIOSH performed its DR and when we
11 reviewed it and then met, TBD6001 was withdrawn.

12 So it left us in a position where we
13 really couldn't -- because the dose reconstruction
14 itself, you know, presented its doses and said it
15 was based on TBD6001, our position was, well, you
16 know, it's hard for us to say anything about it,
17 because now that TBD6001 no longer exists we
18 basically need to go back to first principles,
19 which is the source document for TBD6001,
20 Christofano and Harris.

21 And this was discussed during the
22 September 24th, 2015 meeting. The Subcommittee

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1 asked SC&A to go ahead and write it up, you know,
2 write up its, what you would call first principle
3 evaluation going back to the source document,
4 Christofano and Harris.

5 And we did that. And we submitted our
6 report to the Subcommittee on October 6th, 2015.
7 And we explained that we had two issues. I
8 wouldn't call them findings. We just had two
9 things that we thought it was important that we
10 discuss. And we wrote that up. And you have the
11 report. It's been there.

12 And then on April 26th, the day before
13 yesterday, David Allen prepared a response to the
14 two issues. And I did have a chance to review it
15 carefully. And thank you, David, for sending it.
16 It does, bottom line, it does address our two
17 concerns. And for the reasons I will briefly
18 describe, we are recommending closing those two
19 items in favor of NIOSH.

20 Let me briefly explain what they are,
21 so we can get that on the record.

22 CHAIRMAN KOTELCHUCK: Yes.

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1 DR. MAURO: The external dose
2 basically, in our view, consisted of two elements.
3 One was the worker might stand close to a 55 gallon
4 drum containing various types of uranium, uranium
5 oxide, yellowcake, UF4, and as a result, experience
6 some external exposure.

7 We went ahead and calculated the doses
8 that a person might experience by spending some
9 time next to the container. The doses we came up
10 with were not unlike the numbers reported
11 originally by NIOSH. Three hundred and
12 seventy-one millirem was the external dose.

13 By the way, the worker was not --- he
14 had a -- the point, you know, [was] that the worker
15 himself did a lot of types of jobs. He was not
16 necessarily a radiation worker. But he had jobs
17 which may very well have brought him into areas
18 where there was the potential for exposure.

19 So, you know, there's a lot of ambiguity
20 about, well, how much time would he have spent next
21 to a drum, et cetera, et cetera. Bottom line is
22 that the number that we found is compatible, when

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1 we did our calculations, with regard to standing
2 next to or close to storage drums.

3 And we came up with numbers that were
4 comparable to NIOSH's, which was 371 millirem.
5 And that was explained nicely, and we agree with
6 that. But we had a separate issue that we brought
7 up that had uniquely to do with the conversion of
8 UF4 to UF6.

9 When you read Christofano and Harris,
10 the way you do that is you pass anhydrous fluoride
11 as a gas over UF4. And it converts it to UF6 which
12 is a gas that then leaves, the UF6 leaves. And what
13 it does it leaves behind an ash which contains
14 thorium-234, concentrated.

15 And under that process, the external
16 exposures could be substantially higher, very
17 high. And we basically raised the question in our
18 report: has NIOSH addressed this issue or looked
19 into it?

20 And in David's report that we reviewed
21 the other day, he explained that it turns out that
22 the type of process that was used to generate UF6

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1 did not use the anhydrous fluoride approach. It
2 used a different approach which did not generate
3 this ash and therefore the ash issue goes away.
4 And we accept that.

5 The only thing we would suggest is, for
6 the purpose of the record, David, the source of the
7 information regarding this technique that was used
8 at Coppers, one that I was not at all familiar with,
9 you know, when I reviewed Christofano and Harris,
10 the basis for that, it would be helpful to have had
11 a reference. So we sort of closed the loop on that
12 one.

13 But we accept that. I believe that
14 that very well was the case, especially since this
15 was a pilot plant doing experimental work. So I
16 leave that just as an offering. But I still
17 recommend that this item be closed. Because there
18 seems to be a reasonable explanation. And so
19 therefore, our external exposure issue goes away.

20 Before I move on to internal, is there
21 anything about that, David, you'd like to add, or
22 if anyone has any questions?

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1 MR. ALLEN: I think the only thing I
2 wanted to add is I'm sorry about not including that
3 reference. But I will point out the very last
4 thing in the email is an SRDB number. And that is
5 the reference where I got the ---

6 DR. MAURO: Oh, okay. I appreciate
7 that. Thank you. On internal, one of the --- bear
8 in mind, you know, at the time the DR was prepared,
9 the reference was simply to TBD6001. And there
10 really wasn't very much detail on, you know, how
11 NIOSH, actually what numbers were used and what
12 assumptions were made, that type of thing.

13 So what we did is we went back and said,
14 okay, if we were going to be doing the dose
15 reconstruction, internal, for this worker, we'd go
16 look at the data in Christofano and Harris. And
17 when you look at Christofano and Harris, it says
18 that, well, typically at a uranium conversion
19 facility that does a wide range of conversions, a
20 median value of the air dust loading would be 100
21 dpm per cubic meter.

22 But if you're working with uranium

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1 conversion, it could be much higher than that, at
2 least 1000 dpm per cubic meter. And we simply
3 pointed out in our report that, you know, to what
4 degree did NIOSH, you know, take that into
5 consideration in doing the internal exposure.

6 And David got back to us. And he says,
7 John, you're right, in fact, we did do that. We
8 did take into consideration that. And they used
9 an airborne dust loading at an associated intake
10 rate that was at the high end of -- well, let me
11 put it this way, it was at the high end of a typical
12 uranium conversion facility, sort of at the low end
13 of the UF6 conversion aspect of a uranium
14 conversion facility, but within the range.

15 And, you know, one could argue that,
16 well, you know, you sort of used a value that was
17 closer to the lower end of the airborne dust loading
18 range for UF6. But I'm okay with that. Because
19 first of all, remember, this worker was not a
20 uranium worker. He may not have even been in the
21 area where there was UF6 conversion going on for
22 extended periods of time.

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1 But nevertheless, they assume that he
2 was in the area for 44 hours per week. So when you
3 put all that together, I consider the approach that
4 NIOSH used to reconstruct internal exposures, when
5 explained, to be reasonable, appropriate, and
6 claimant-favorable. So on that basis, I'm
7 recommending that we also close that second issue
8 dealing with internal exposures.

9 CHAIRMAN KOTELCHUCK: Very good. Any
10 comments, David, or anybody, David Allen or anybody
11 else? Or questions from members of the
12 Subcommittee?

13 MEMBER MUNN: None here.

14 MEMBER RICHARDSON: None from me.

15 CHAIRMAN KOTELCHUCK: Alright.

16 MR. ALLEN: This is David Allen. We
17 agree with John that it was reasonable and
18 appropriate.

19 CHAIRMAN KOTELCHUCK: Right. Okay.

20 DR. MAURO: And, David, thank you so
21 much for sending that over. It really did the
22 trick.

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1 CHAIRMAN KOTELCHUCK: Yes, it was very
2 helpful. Alright. Well, then it seems to me that
3 I also agree that this appears to be appropriate
4 to close now. So let's say that I think the
5 consensus of the group is to close this, right?
6 [PAUSE]

7 Okay. That takes care of this item.
8 There is, I believe, still one more case
9 outstanding that we haven't dealt with. I'm
10 trying to remember, besides the Coppers', there was
11 one other, yes, there was one other.

12 MS. GOGLIOTTI: There is one other.
13 That case is waiting on an action by the AWE Work
14 Group. And that Work Group has not met in some
15 time.

16 CHAIRMAN KOTELCHUCK: A-ha. What
17 case number is that or what company?

18 MS. GOGLIOTTI: Oh, I can pull it.

19 CHAIRMAN KOTELCHUCK: I don't have it
20 in front of me.

21 MS. GOGLIOTTI: 308, which is
22 Bridgeport Brass.

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1 CHAIRMAN KOTELCHUCK: Okay. Good,
2 good.

3 MR. KATZ: Okay. Rose, thanks for
4 mentioning that. Because Bridgeport Brass, I do
5 not recollect that there's an agenda item for the
6 Work Group on Bridgeport Brass. So let's, why
7 don't I follow-up with you after this meeting next
8 week on that case, so I can make sure the Work Group
9 addresses whatever it is that's outstanding on
10 Bridgeport Brass.

11 It won't be meeting until this summer,
12 but it has quite a bit of other business. And then
13 we'll make sure that's covered, too.

14 MS. GOGLIOTTI: Oh, I'm sorry.
15 Actually, that was the wrong case. That's the
16 Hooker case.

17 MR. KATZ: Oh, okay. Thank you. That
18 makes sense. Because I wasn't even sure that
19 Bridgeport Brass was covered by them. But,
20 Hooker, yes. Okay. So that should get addressed
21 this summer.

22 CHAIRMAN KOTELCHUCK: Okay. That's

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1 good. And that will be the last one from Sets 10
2 through 13. And that will completely finish the
3 work there.

4 The second item is really getting back
5 to our main area of business, which is going to the
6 next sets, 14 through 18. We've started on 14. We
7 started with Oak Ridge and completed that last
8 time.

9 And before we get back to that main
10 business, I just wanted to report to members of the
11 Subcommittee that, after our last board meeting,
12 I completed all the changes in the Secretary's
13 report that were recommended by the Board and
14 forwarded those to Jim and cc'd Ted.

15 And it seems to me now, I consider that
16 now this leaves our Subcommittee and goes on to the
17 --- it's a larger Board function. Our
18 Subcommittee work is finished. I didn't cc
19 everybody in our Subcommittee with that last
20 report. But I just wanted you to know that it went
21 in as directed by the Board meeting, to the best
22 of my understanding.

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1 So that's --- we will hear from Jim at
2 some later point on that as far as where we go next,
3 whether we have a Methods Subcommittee meeting or
4 whatever.

5 MR. KATZ: Yes. And then, this is Ted,
6 I'm pretty sure that's what the next step would be.
7 Jim was going to do some drafting related to this
8 material that's really more the Method's turf
9 rather than the Subcommittee's turf. And then we
10 will need a Methods Work Group meeting. So I'm
11 sure it'll get discussed there.

12 CHAIRMAN KOTELCHUCK: Very good.
13 Okay. So I just wanted to bring people up to date.
14 Because I think, if I may say, our Subcommittee did
15 a good job. We put out a report from our end that
16 was accepted by the Board. And we have done our
17 job.

18 **CASE REVIEWS ISSUE RESOLUTION FOR SETS 14-18**

19 Now, let's get back to our second item
20 which is Sets 14 to 18. And according to my notes
21 we finished on, and I have it, we finished on 402.1.

22 MR. SIEBERT: Dr. Kotelchuck?

1 CHAIRMAN KOTELCHUCK: Yes?

2 MR. SIEBERT: This is Scott Siebert.
3 I apologize. I don't believe we actually --- I
4 still had an action item from the Oak Ridge sites.

5 MS. GOGLIOTTI: Yes, that's correct.
6 There's two still outstanding in that.

7 CHAIRMAN KOTELCHUCK: Oh, there is.
8 Okay. I thought we had finished that. But then
9 let's go back to those. And who should be leading
10 off on that? And if you'll give us the case
11 numbers?

12 MS. GOGLIOTTI: We do have Observation
13 1 from Tab 438.

14 CHAIRMAN KOTELCHUCK: Yes.

15 MS. GOGLIOTTI: And this one just
16 slipped through the cracks at the last meeting.
17 And the observation was that SC&A found that the
18 X-10 and Y-12 Site Profile Review findings ---

19 CHAIRMAN KOTELCHUCK: I'm not able to
20 get onto the Live Meeting. So I'm looking in the
21 materials that you sent, Rose. Where do I --- I
22 have to go back to Oak Ridge, 14 to 18 sets, Oak

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1 Ridge?

2 **OAK RIDGE**

3 MS. GOGLIOTTI: Correct.

4 CHAIRMAN KOTELCHUCK: Okay. And the
5 number again, that we're talking about now?

6 MS. GOGLIOTTI: Is 438, Observation 1.

7 CHAIRMAN KOTELCHUCK: Okay.

8 MS. GOGLIOTTI: Which is on Page 23.

9 CHAIRMAN KOTELCHUCK: Thank you.
10 Okay.

11 MS. GOGLIOTTI: Okay. And with this
12 observation, NIOSH came back and said that if Site
13 Profile changes do result in a potential increase
14 in dose, the claim would be reviewed under PER.
15 And so we essentially agreed with that. Then we
16 recommended that we could close out this
17 observation.

18 CHAIRMAN KOTELCHUCK: Okay. That
19 sounds good, 420, Page 20 ---

20 MS. GOGLIOTTI: 438.

21 CHAIRMAN KOTELCHUCK: Pardon?

22 MS. GOGLIOTTI: 438.

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1 CHAIRMAN KOTELCHUCK: 438. I haven't
2 quite gotten there yet.

3 MEMBER BEACH: It's on Page 23 ---

4 CHAIRMAN KOTELCHUCK: Yes. No, I'm
5 getting there. There we go. Yes, right. So the
6 recommendation is to close. And are there any ---
7 this was an observation?

8 MS. GOGLIOTTI: Correct.

9 CHAIRMAN KOTELCHUCK: Are there any
10 comments by any Board Members or anyone else?

11 MEMBER MUNN: No. Except this is
12 Wanda. And my Live Meeting screen has ---

13 MS. GOGLIOTTI: Oh, I'm sorry. It
14 must have cancelled out. Let me fix it.

15 MEMBER MUNN: Oh, okay. I was going to
16 say, it was up and now it's gone.

17 MS. GOGLIOTTI: I wonder if I lost my
18 ---

19 MEMBER MUNN: Thank you, ma'am.

20 CHAIRMAN KOTELCHUCK: Okay. So we're
21 in agreement on that. And this observation should
22 be closed now.

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1 MS. GOGLIOTTI: Yes.

2 CHAIRMAN KOTELCHUCK: Good, okay.
3 Let me just --- observation. Good. And then what
4 was the other item that was --?

5 MS. GOGLIOTTI: The other one is 355.2.
6 And that is on Page 24.

7 CHAIRMAN KOTELCHUCK: Okay. Oh, yes,
8 here it is. Okay.

9 MS. GOGLIOTTI: And this finding was
10 that NIOSH used an incorrect dose correction factor
11 for the years 1980 through 1982 for missed photon
12 doses.

13 CHAIRMAN KOTELCHUCK: Yes.

14 MS. GOGLIOTTI: And we did discuss this
15 at the last meeting. And NIOSH was going to
16 investigate it further.

17 CHAIRMAN KOTELCHUCK: Oh. And what
18 did NIOSH -- where is that now?

19 MR. SIEBERT: Well, we are continuing
20 to research the issue itself. There are some very
21 specific DOELAP documents that we have to find to
22 make that determination, which we just haven't

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1 gotten. We haven't tracked down the specific
2 documents we're looking at.

3 However, as I mentioned at the last
4 meeting, to be claimant-favorable, since the TBD
5 has somewhat conflicting information in it, we've
6 changed our tools and our dose reconstruction
7 guidance document to reflect taking the exposure
8 TLD DCF all the way through 1986, which is what the
9 second part of the TBD seems to indicate, since the
10 larger DCFs are claimant-favorable, rather than
11 switching over in 1980.

12 So we've made the change while we're
13 researching the issue. And when it comes to this
14 claim, I've actually looked at it. And even if we
15 apply those DCFs to this claim, there's no change
16 in compensability.

17 It goes from slightly under 30 percent
18 to 30.45 percent. So there's no impact on [the
19 compensability of] this claim. So I would guess
20 we could probably close out this specific one. And
21 we've already turned it over to the TBD owner to
22 continue researching that issue and make a TBD

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1 change if it's determined to be applicable.

2 CHAIRMAN KOTELCHUCK: Right. Even
3 though I recognize that we could close it, that it
4 will not affect compensability, and that's good to
5 hear, my instinct is that we should have this down
6 for the record and have the NIOSH response written
7 down and not close it right now but keep it in
8 abeyance.

9 MR. KATZ: Well, actually, Dave, and I
10 think it's in progress, not in abeyance. Because
11 until NIOSH resolves what should be there, you'll
12 know what's correct. So I think it's actually not
13 even in abeyance until -- right? Until Scott's
14 person does his research.

15 CHAIRMAN KOTELCHUCK: Right. Can we
16 question these folks for the Subcommittee members,
17 do we want to keep it under in progress until
18 everything is finally settled? Or should we close
19 it now? Because it's clear already that this will
20 not change compensability.

21 MR. KATZ: Dave, let me just say, I
22 mean, I don't think you should close the case just

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1 because of its impact on this case. Because you
2 need to know whether the method is correct or not.
3 And until we get an answer on that, you don't know
4 whether the finding is correct or not.

5 MEMBER CLAWSON: Well, I'll agree with
6 Ted, that we ought to keep it open.

7 CHAIRMAN KOTELCHUCK: Okay.

8 MEMBER CLAWSON: This is Brad. I'm
9 sorry.

10 CHAIRMAN KOTELCHUCK: Okay, no.
11 That's fine.

12 MEMBER CLAWSON: Rose? Also too,
13 Rose, when you talk -- I'm sorry, maybe it's just
14 me, but I'm having a hard time hearing you. If you
15 could just maybe speak up a little bit.

16 MS. GOGLIOTTI: I'm sorry. I will try
17 to speak a little louder.

18 MEMBER CLAWSON: That's a lot better,
19 thanks.

20 CHAIRMAN KOTELCHUCK: Okay. Fine.
21 So we will keep it open. And that finishes, then,
22 what we want to do with this, for the moment.

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1 Should we go on now to the SRS, to the Savannah River
2 Site and 402.1? Are we ready to do that?

3 **SAVANNAH RIVER SITE**

4 MS. GOGLIOTTI: Sure.

5 CHAIRMAN KOTELCHUCK: Okay. Who will
6 be reporting on that? Rose?

7 MS. GOGLIOTTI: That would be me.

8 CHAIRMAN KOTELCHUCK: Yes.

9 MS. GOGLIOTTI: 402.1, when we left
10 this, or this is the case that we left off on ---

11 CHAIRMAN KOTELCHUCK: Right.

12 MS. GOGLIOTTI: -- and we did start
13 discussing it. The finding was that no photon dose
14 was assigned to the years 1952 through 1954.

15 CHAIRMAN KOTELCHUCK: Yes.

16 MS. GOGLIOTTI: And NIOSH came back
17 here and responded.

18 CHAIRMAN KOTELCHUCK: There we are.

19 MS. GOGLIOTTI: And actually, this was
20 the case that Grady had pointed out in his email
21 to us earlier. Somehow in the process of assigning
22 cases, SC&A was assigned the same case to review

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1 twice in different sets. And so this is actually
2 a repetitive finding.

3 CHAIRMAN KOTELCHUCK: And when was
4 this, when was this done previously?

5 MS. GOGLIOTTI: I believe in the tenth
6 set. Grady's not on the line, but we did actually
7 have identical findings between the two cases,
8 which is a good control, I guess.

9 CHAIRMAN KOTELCHUCK: Right.

10 MR. ALLEN: The original SC&A number
11 was 330. It's the same case as SC&A 402.

12 CHAIRMAN KOTELCHUCK: A-ha. But I'm a
13 little confused. So this is literally the same
14 person --

15 MS. GOGLIOTTI: Correct.

16 CHAIRMAN KOTELCHUCK: -- listed twice.
17 Their case comes up twice. But why would that be?
18 Or how could that happen? How did that happen?

19 MS. GOGLIOTTI: The Subcommittee
20 assigned the same case to SC&A twice. And through
21 whatever the process, that was not caught.

22 MR. KATZ: Okay. So NIOSH included

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1 this in the pool for the next set, I guess.

2 CHAIRMAN KOTELCHUCK: Right.

3 MR. KATZ: And we collected it, and
4 that's how it happened.

5 MR. HINNEFELD: Yes. That's what
6 happened. And it wasn't removed from the
7 selection pool when the pool was gathered for this
8 402 it came from.

9 CHAIRMAN KOTELCHUCK: Okay.

10 MR. KATZ: Well, then bravo to SC&A for
11 their consistency.

12 CHAIRMAN KOTELCHUCK: Right.

13 MR. KATZ: We can move on.

14 CHAIRMAN KOTELCHUCK: Right. We
15 certainly can. So this has been closed before.

16 MR. SIEBERT: Correct. This is Scott.
17 There's two questions. Number one is should we
18 just withdraw all the findings, because they are
19 identical to what we've already addressed in the
20 13th set.

21 CHAIRMAN KOTELCHUCK: Got it.

22 MR. SIEBERT: Entirely up to you.

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1 MR. KATZ: I mean the whole case is
2 withdrawn, because we're not re-reviewing a case
3 we've reviewed.

4 CHAIRMAN KOTELCHUCK: Right.

5 MR. KATZ: Yes.

6 MR. SIEBERT: To go along with that, I
7 did some more investigation. There is another
8 case in the identical situation.

9 CHAIRMAN KOTELCHUCK: Okay. So the
10 issue is that when we select something, NIOSH has
11 to remove it from the pool --

12 MR. KATZ: Yes. You know, NIOSH comes
13 up with a sort of nomination pool of potential
14 cases. And these cases somehow slipped by you and
15 ended up in the pool for the later set. So they
16 shouldn't have been in there, but they somehow got
17 in there. And then we actually selected them.

18 CHAIRMAN KOTELCHUCK: Right. So I
19 guess I'm sensitive to the fact that the
20 Subcommittee assigned them again. Well, we did
21 assign them again. The Subcommittee members would
22 have no way of knowing this.

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1 MR. KATZ: Of course. No, it's no
2 fault of the Subcommittee members. There's no way
3 to keep that in your head.

4 CHAIRMAN KOTELCHUCK: Right. And I'm
5 not criticizing NIOSH, just simply that I hear what
6 has to be done. And in this case, it wasn't, by
7 accident.

8 MR. KATZ: Yes. It's just an
9 unfortunate mistake, it sounds like.

10 CHAIRMAN KOTELCHUCK: Yes, correct.

11 MR. KATZ: Yes. And then both these
12 cases, we don't need to go through them again, for
13 sure.

14 CHAIRMAN KOTELCHUCK: Absolutely. So
15 this case is withdrawn, right?

16 MR. KATZ: Right. Just take it out of
17 the pool.

18 CHAIRMAN KOTELCHUCK: Yes. Okay.
19 Then this is withdrawn, and let's go on to the next
20 ---

21 MR. HINNEFELD: This is Stu Hinnefeld.
22 Just for my clarification, Scott, you said there

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1 was another case in this situation?

2 MR. SIEBERT: Yes.

3 MR. HINNEFELD: Do you have the SC&A
4 numbers for that case?

5 MR. SIEBERT: Correct. And it's in
6 this set as well. It's SC&A-405.

7 MR. HINNEFELD: Okay. It was also
8 what?

9 MR. SIEBERT: It was also in the 13th
10 set as 329. And once again, kudos to the reviewer
11 that the findings are the same.

12 MR. HINNEFELD: Right.

13 CHAIRMAN KOTELCHUCK: Okay. So that
14 will be removed now before we get to it, or when
15 we get to it we'll remove it, or whatever. We can
16 remove it now. There's no issue.

17 So, Rose, our next one is ---

18 MS. GOGLIOTTI: Is also an SRS case.
19 It's Tab 403. And that's Finding Number 1.

20 CHAIRMAN KOTELCHUCK: What I have ---
21 oh, right. Wait a minute. I had 402.2, but that's
22 now withdrawn. I see, right. So we have to go ---

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1 pardon me. I'm just scanning. Yes, 403.1, thank
2 you.

3 MS. GOGLIOTTI: Okay. And this
4 finding states that incorrect facility and energy
5 distribution was used to calculate photon doses.
6 And NIOSH came back and agreed that, in fact, the
7 incorrect distribution was used and the workbook
8 error, copy and paste error, that it did not change
9 the PoC significantly in this case, not enough to
10 flip the case above compensability.

11 CHAIRMAN KOTELCHUCK: Yes.

12 MS. GOGLIOTTI: Which is essentially a
13 Q&A error. And NIOSH and SC&A are in agreement.

14 CHAIRMAN KOTELCHUCK: Right.

15 MS. GOGLIOTTI: So we do recommend
16 closing this case.

17 CHAIRMAN KOTELCHUCK: Right.
18 Actually, although the number was very close to 50
19 percent it actually lowered it [PoC], did it not?

20 MS. GOGLIOTTI: Correct.

21 CHAIRMAN KOTELCHUCK: At the PoC.
22 Okay. Well, folks from the, should we close this?

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1 Are there any comments from the Subcommittee
2 members?

3 MEMBER MUNN: Close it.

4 CHAIRMAN KOTELCHUCK: Okay. Others?

5 MEMBER BEACH: I agree, close it.

6 CHAIRMAN KOTELCHUCK: Okay.

7 MR. KATZ: And just to note for the
8 record, John Poston just sent an email saying he's
9 on now. So, John, welcome.

10 MEMBER POSTON: Thank you.

11 CHAIRMAN KOTELCHUCK: Yes, very glad
12 to have you, as always.

13 MEMBER CLAWSON: You know what, go
14 ahead and close it.

15 CHAIRMAN KOTELCHUCK: Okay. I agree.
16 This will be closed now.

17 MS. GOGLIOTTI: Okay.

18 CHAIRMAN KOTELCHUCK: Okay. Next?

19 MS. GOGLIOTTI: Next finding is 403.2.

20 CHAIRMAN KOTELCHUCK: Yes.

21 MS. GOGLIOTTI: And this finding
22 states that incorrect dose correction factor was

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1 applied to shallow dose for the lip. And NIOSH
2 responded that they did, in fact, apply the wrong
3 correction factor. They applied a 1.5 correction
4 factor instead of a 1.2.

5 CHAIRMAN KOTELCHUCK: Yes.

6 MS. GOGLIOTTI: It's
7 claimant-favorable, but it is an error
8 nonetheless. And since we are agreement, again,
9 we do recommend closing this issue.

10 CHAIRMAN KOTELCHUCK: Right. Seems
11 straightforward. Looks like we can close it.
12 Maybe I'll ask, are there any objections to closing
13 or further questions?

14 MEMBER MUNN: No.

15 CHAIRMAN KOTELCHUCK: Okay. Fine,
16 that's good. We can close that. Alright.

17 MS. GOGLIOTTI: The next finding is
18 403.3.

19 CHAIRMAN KOTELCHUCK: Yes.

20 MS. GOGLIOTTI: And that finding
21 states that: missed an environmental dose, was not
22 carried through the year of cancer diagnosis.

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1 CHAIRMAN KOTELCHUCK: Questions?

2 MS. GOGLIOTTI: And here, NIOSH
3 responded and said that the annual dose was not
4 carried through because the dose was less than one
5 millirem. And that's not included for a
6 requirement --

7 CHAIRMAN KOTELCHUCK: Right.

8 MS. GOGLIOTTI: -- in IREP. And while
9 we do agree that one millirem doses are not required
10 to be included, we did make this a finding, because
11 we found it quite unusual that all of the yearly
12 environmental doses were less than a millirem.
13 And they were still assigned. But this does not
14 have a significant impact on the case as it is less
15 than one millirem.

16 CHAIRMAN KOTELCHUCK: But I'm not sure
17 why -- the fact that doses less than a millirem were
18 included in later years ---

19 MS. GOGLIOTTI: In earlier years.

20 CHAIRMAN KOTELCHUCK: Pardon?

21 MS. GOGLIOTTI: In earlier years. So
22 they assigned dose all the way to the year of

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1 diagnosis but did not include the year of
2 diagnosis.

3 CHAIRMAN KOTELCHUCK: Right. The
4 question in my mind is why is this a finding as
5 opposed to an observation?

6 MS. GOGLIOTTI: Well, at the time we
7 were making findings for when there was an error.
8 And we do make findings even when we know that it
9 won't impact the outcome of the case.

10 CHAIRMAN KOTELCHUCK: Well, but it
11 wasn't an error. I mean, we've traditionally --
12 or was this a policy that changed? Ever since
13 I've been here, whenever we've had a dose less than
14 a millirem, we ignore it. Because it will have no
15 impact, that small a dose.

16 MR. SIEBERT: Well, this is Scott. I
17 can probably explain this a little clearer.

18 CHAIRMAN KOTELCHUCK: Okay.

19 MR. SIEBERT: Normally, what we will do
20 is we will keep all doses in a claim even if they're
21 less than one millirem unless we're running [out]
22 of IREP room. It only takes 1,000 lines. And if

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1 we're going over that, we may start removing less
2 than one millirem. Generally we keep all the
3 doses.

4 In this case, we've already spoken
5 about this. It was in the best estimate territory
6 very close to 50 percent. So when we were doing
7 the best estimate, we ran the environmental doses
8 through the CAD tools, which only give annual
9 doses.

10 So in the final year of diagnosis, it's
11 really only a partial year of dose that is received
12 rather than the full year. The tool just gives you
13 the full year.

14 What the dose reconstructor did was
15 look at that last year and remove it, because it
16 was less than a millirem, rather than having it be
17 a slight overestimate. And I'm talking very
18 slight overestimate.

19 For instance, we're in the 45 to 52
20 percent range, we take those into account. So
21 that's the thought process that was used by the dose
22 reconstructor as to why that single year was

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1 removed. But all the other years that are less
2 than one millirem were not pulled out.

3 CHAIRMAN KOTELCHUCK: I'm still up in
4 the air about findings and observations. I see the
5 reasoning. What do other Subcommittee members
6 think? What's your --- maybe because I was
7 involved so much in writing the report to the
8 Secretary, I started to take much more careful
9 notice of whether we do a finding or an observation.
10 Do other folks ---?

11 MEMBER MUNN: This is Wanda. And I
12 think we've muddied the water with this as time goes
13 on. Whether it's an improvement or not, I don't
14 know. But we had a fairly reasonable, I thought,
15 criterion originally for what constituted an
16 observation and what should be a finding.

17 Essentially, I think our original
18 understanding was that an observation was simply
19 a comment from the observers calling the attention
20 of the reader to some facet which did not, in fact,
21 change --- it was not likely to change the outcome
22 --

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1 CHAIRMAN KOTELCHUCK: PoC, yes.

2 MEMBER MUNN: -- in any way, and
3 therefore did not need further pursuit or
4 observation, I mean, or actual action from anyone.

5 But I think we have, somewhere along the
6 way, I don't know, three or four years ago -- no,
7 it's actually a little longer than that, I suppose
8 -- there was a great discussion about certain
9 observations perhaps needing to be pursued in some
10 way. And that's when we started muddying the
11 water, as I recollect it.

12 So now we have a situation where it
13 appears that if anyone feels that some aspect of
14 the comment needs to be followed-up, we change it
15 to a finding. At least that's my ---

16 CHAIRMAN KOTELCHUCK: Yes.

17 MEMBER MUNN: -- the way it appears to
18 me. But the original purpose of an observation is
19 just to call the reader's attention to the fact that
20 something slightly off key was noted by the
21 reviewer and was called to our attention.

22 CHAIRMAN KOTELCHUCK: Yes, yes. So

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1 this would, in some very, very slight way, affect
2 the PoC. I suppose that would be the argument for
3 the observation.

4 MR. SIEBERT: Well, I would point out
5 that it was not done incorrectly. Because it is
6 a dose less than one millirem which --

7 CHAIRMAN KOTELCHUCK: Yes.

8 MR. SIEBERT: -- is a normal way that
9 we can remove it. It just seemed unusual to the
10 reviewer that it was done differently, which I
11 understand, but I just explained.

12 CHAIRMAN KOTELCHUCK: Yes, yes.

13 MEMBER MUNN: From my perspective, it
14 was an observation. But I guess it's in the eye
15 of the beholder.

16 CHAIRMAN KOTELCHUCK: Well, it is. It
17 still seems to me an observation. Because it was
18 not incorrect.

19 MR. KATZ: Dave --

20 (Simultaneous speaking)

21 MR. KATZ: I think SC&A was reasonable
22 at the time they reviewed it in thinking this was

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1 a finding. And I think it's also fine for the
2 Subcommittee to convert this to an observation.

3 CHAIRMAN KOTELCHUCK: Yes. I mean,
4 we're ---

5 MR. STIVER: If I can just jump in for
6 one thing ---?

7 (Simultaneous speaking)

8 MR. STIVER: Yes. I think there was
9 really a question regarding process, regardless of
10 it was one millirem, or two, or three, or four. And
11 it was really why, in this final year, was a dose
12 not included when it was in the previous years.

13 And, you know, Scott's explanation is
14 perfectly fine in that there's that. But, yes, I
15 think it could be an observation that, you know,
16 from a process standpoint, I think, if it kind of
17 raised to the level of a finding. And again, it's
18 kind of subjective, in a sense.

19 CHAIRMAN KOTELCHUCK: Yes, yes. We so
20 often use, in current practice, we so often use the
21 fact that something's less than a millirem.
22 Therefore it can be ignored and is ignored.

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1 Sometimes, obviously, it is carried. But speaking
2 to that, I would go for an observation. And I feel
3 -- Wanda, what do other Board Members think?

4 It's a call. But the question is, we are
5 starting a new set, or we're almost, we're at the
6 beginning of a new set, and a new Secretary's
7 Report.

8 And so it's a reasonable time to make
9 changes in procedure, it seems to me. Because we
10 tried to be consistent with six through 13. But
11 we're really -- we're in a new, I wouldn't say a
12 new era, but a new report, certainly, the beginning
13 of a new report.

14 Well, let's put it this way. There are
15 two votes for changing it to an observation. Do
16 I hear anyone saying let's keep it as a finding?

17 MEMBER CLAWSON: Well, no. As Wanda
18 said, through the years we've muddied everything
19 else. By the way, this is Brad.

20 CHAIRMAN KOTELCHUCK: Yes.

21 MEMBER CLAWSON: The thing is, it's
22 also what we heard from SC&A is that per their

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1 requirements, they're classifying it as a finding.
2 I guess I understand, and I don't see much added
3 but, you know, I guess I want to ask John, you know,
4 under your criteria you mentioned that this is
5 still a finding.

6 CHAIRMAN KOTELCHUCK: Yes.

7 MEMBER CLAWSON: And so, you know, I
8 agree that I don't see it as a big issue because
9 of the one millirem or whatever. But even throwing
10 that out, coming back to what the criteria that
11 we've given our contractor, wouldn't spell
12 finding.

13 MR. KATZ: Well, Brad, as I said, I
14 think it was reasonable for SC&A to think this is
15 a finding on the front end. I think the discussion
16 clarified that it really isn't. It's an
17 observation. If it's a finding, it's incorrect.
18 Because --

19 MEMBER CLAWSON: Right.

20 MR. KATZ: -- there's no problem in the
21 procedure. So I just think it makes sense for the
22 Subcommittee to treat this as an observation.

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1 MEMBER CLAWSON: Well, there's no
2 problem with us doing that, right? We can change
3 a finding into an observation.

4 MR. KATZ: Yes. You've done that
5 before, right?

6 MEMBER CLAWSON: Right.

7 MR. STIVER: This is John. I'd be
8 willing to just have us change it into an
9 observation. Maybe on the front end it did appear
10 to be a finding. But, you know, on closer scrutiny
11 it's not.

12 MEMBER CLAWSON: Okay. Well, I don't
13 have a problem. We can vote me in for the
14 observation.

15 CHAIRMAN KOTELCHUCK: Right.
16 Although, really this is a small matter, but we'll
17 try to be consistent as we move ahead. So unless
18 I hear otherwise, let's change it to an
19 observation. A last call for comments on this.

20 [PAUSE]

21 Then it becomes an observation.

22 MS. GOGLIOTTI: Okay. We will update

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1 that in our records.

2 CHAIRMAN KOTELCHUCK: Right. Okay.

3 MS. GOGLIOTTI: The next finding is Tab
4 403, Finding Number 4.

5 CHAIRMAN KOTELCHUCK: Yes.

6 MEMBER CLAWSON: This is Brad. Rose,
7 where are we looking at on this. I've got this on
8 a computer disk. And I'm having a hard time
9 finding 403. But what's it under?

10 MS. GOGLIOTTI: If you are looking in
11 the files that I sent out, it should be in the Issues
12 Resolution folder. And then

13 MEMBER CLAWSON: What?

14 MS. GOGLIOTTI: And then there is a BRS
15 printout folder.

16 MEMBER CLAWSON: Okay. That's what I
17 needed to know. Thank you.

18 CHAIRMAN KOTELCHUCK: Right. And,
19 Rose, this is the first time we're using this rather
20 than the old matrix. We've changed over from the
21 old matrix system --

22 MS. GOGLIOTTI: Correct.

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1 CHAIRMAN KOTELCHUCK: -- to go
2 directly to BRS. And you'll forgive any one of us
3 on the Subcommittee. It takes a little while to
4 get used to the new system and checking things over.
5 So it may take us a few moments more until we get
6 used where's the key place to look to see what's
7 going on.

8 On the other hand, you did send it to
9 us at least about a week ago, which was very nice
10 and did give us an opportunity to look at it in its
11 most basic form rather than you taking it out and
12 putting it in a matrix.

13 That is to say putting it in the BRS form
14 is an advance, but for those of us who are not used
15 to it, it slows us down a little in responding to
16 the discussion. And I just note that, if you will,
17 for the record.

18 MEMBER CLAWSON: And thank you. I was
19 just having a hard time. I was trying to look at
20 it in the matrix part of this. And I wasn't finding
21 it.

22 CHAIRMAN KOTELCHUCK: Right.

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1 MEMBER CLAWSON: I've got a disk. I
2 don't have Live Meeting, but there's more on that.
3 Okay, I appreciate that. Thank you.

4 CHAIRMAN KOTELCHUCK: Yes, yes. And,
5 Brad, I did the same thing when I got it and started
6 looking it over. And then I realized what was
7 happening. And it's a step forward, truly.

8 Okay. Rose, if you will, go ahead with
9 403.4.

10 MS. GOGLIOTTI: And if you guys, if
11 anyone needs me to resend out instructions on how
12 to use the BRS, I can certainly do that.

13 CHAIRMAN KOTELCHUCK: Could you? I
14 would appreciate it.

15 MS. GOGLIOTTI: We have a really
16 straightforward tutorial on how to use it. So ---

17 CHAIRMAN KOTELCHUCK: Yes, yes.

18 MS. GOGLIOTTI: -- if that will help
19 you.

20 CHAIRMAN KOTELCHUCK: I was going to
21 ask you to do that. And would other Subcommittee
22 members like to get it?

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1 MEMBER CLAWSON: This is Brad. I
2 would. I'm just trying to figure this out a little
3 bit. Usually I'll have Live Meeting. And that's
4 not a problem. But ---

5 CHAIRMAN KOTELCHUCK: Right.

6 MEMBER CLAWSON: -- a lot of the times
7 I won't be able to.

8 CHAIRMAN KOTELCHUCK: Right. Same
9 with me. Rose, why don't you send it out to all
10 of our Subcommittee members.

11 MEMBER BEACH: Rose, this is Josie.
12 I'm good. I don't need it.

13 CHAIRMAN KOTELCHUCK: Oh, okay.
14 Good, good. Alright.

15 MS. GOGLIOTTI: Alright. Not a
16 problem, easy enough.

17 CHAIRMAN KOTELCHUCK: Thanks a lot.

18 MS. GOGLIOTTI: And it is a little bit
19 more challenging to follow in the BRS printout than
20 it is directly accessing the BRS, but when you don't
21 have access to the BRS that's been existing.

22 CHAIRMAN KOTELCHUCK: Yes.

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1 MS. GOGLIOTTI: Okay. Well, we can
2 move on then. The next finding is 403.4.

3 CHAIRMAN KOTELCHUCK: Which may be
4 403.3. By the way, just to understand
5 bookkeeping, since we just did 403.3, which is now
6 an observation, do you change this? Or given that
7 it's the designation, you still leave it at 403.4.

8 MS. GOGLIOTTI: I will leave it at
9 403.4. Otherwise, it becomes impossible to track
10 findings.

11 CHAIRMAN KOTELCHUCK: Very good, okay.
12 I just was curious about the bookkeeping, record
13 keeping. Okay.

14 MS. GOGLIOTTI: And we had already
15 agreed that we won't be modifying the dose
16 reconstruction cases to reflect this. It's just
17 simply documented in the transcript and in the BRS
18 --

19 CHAIRMAN KOTELCHUCK: Okay.

20 MS. GOGLIOTTI: -- for an observation.

21 CHAIRMAN KOTELCHUCK: Alright.

22 MS. GOGLIOTTI: The next finding is

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1 403.4, failure to assign unmonitored tritium dose
2 to the year 1994. And NIOSH responded and said
3 that unmonitored tritium dose was not assigned for
4 1994, because internal monitoring was performed
5 that year.

6 And the process of SRS did not assign
7 tritium. And there was no monitoring. Sampling
8 was inexpensive and easy at the site for workers
9 to conduct. So they don't believe that the EE was
10 exposed to tritium without tritium monitoring.

11 And we do disagree with the dose
12 reconstructor's judgement in this particular
13 instance. But the difference between the two
14 methods only results in a difference of
15 approximately a millirem for each cancer site.
16 And that's far too insignificant to impact the PoC.
17 So we do recommend closing this issue.

18 CHAIRMAN KOTELCHUCK: Okay. Fine.
19 And did it happen to be a compensated? It was not
20 a compensated case, was it?

21 MS. GOGLIOTTI: Correct. This is the
22 case where the PoC was ---

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1 CHAIRMAN KOTELCHUCK: Oh, that's
2 right. We saw it before.

3 MS. GOGLIOTTI: Yes.

4 CHAIRMAN KOTELCHUCK: Right. It,
5 actually, for all the PoC was lowered, I believe.

6 MS. GOGLIOTTI: Correct.

7 CHAIRMAN KOTELCHUCK: Yes, okay.
8 Anyhow, and that certainly is a finding. Because
9 there's disagreement with the judgment in this
10 case. But it does not affect the outcome, and
11 therefore closure is recommended. And that, to
12 me, makes sense. And then this would remain a
13 finding.

14 MR. KATZ: Except the Subcommittee
15 needs to decide what it feels about the finding.

16 CHAIRMAN KOTELCHUCK: Right. And
17 there is a disagreement of procedure. But we don't
18 have to resolve that. Because it would not impact
19 the decision.

20 What do other Subcommittee members
21 think? Is this something we should set up and
22 establish a --- is there some reason to establish,

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1 to try to decide on this issue? That is, is there
2 something in the procedure that we want to
3 establish for this case and future cases?

4 MR. SIEBERT: Well, this is Scott. I
5 just want to clarify. I don't necessarily see this
6 as a professional judgment issue. This is the
7 standard way we deal with tritium at the Savannah
8 River Site. So if the person was not monitored for
9 tritium ---

10 MS. GOGLIOTTI: I believe they were
11 monitored for tritium. It was just the single year
12 that they were not monitored.

13 MR. SIEBERT: Exactly. There was a
14 year they were not being monitored. And Savannah
15 River, I mean, especially in the '90s, tritium was
16 easy and inexpensive to monitor for. So if there
17 was no monitoring, the thought process is there was
18 no reason to monitor, there was no exposure
19 potential. And we assign ambient doses as opposed
20 to an additional tritium dose.

21 CHAIRMAN KOTELCHUCK: Yes.

22 MS. GOGLIOTTI: Was the ambient dose

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1 assigned in this case for that?

2 MR. SIEBERT: I can't tell you off the
3 top of my head. But I'd say that's the normal way
4 we would deal with it.

5 CHAIRMAN KOTELCHUCK: Yes.

6 MS. GOGLIOTTI: And I guess the SC&A
7 argument would be that the EE has the same job, the
8 same job title, the same work locations. And so
9 we believe that it could just as easily been lost
10 in the records and over the difference of one
11 millirem.

12 MR. SIEBERT: Well, it's a bigger
13 question to me. Because it's not just a question
14 of, you know, we're not believing we're losing
15 records at Savannah River. It's a question of do
16 we believe that they were monitored or were they
17 not monitored?

18 And our standard process has been that
19 if they're not monitored for tritium, there's a
20 reason for it. Because Savannah River monitored
21 for tritium when needed.

22 MEMBER MUNN: And the key phrase there

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1 is when needed.

2 CHAIRMAN KOTELCHUCK: Right.

3 MEMBER MUNN: The only question is
4 whether there is some post facto judgment that
5 needs to be made about whether or not they should have
6 monitored that year. And I don't see the ---

7 CHAIRMAN KOTELCHUCK: I mean, I would
8 think that the, I mean, it seems quite credible to
9 me that a person could be assigned different tasks
10 for a year and therefore got reassigned somewhere
11 for any one of a number of reasons.

12 MEMBER CLAWSON: This is Brad. This
13 is Brad.

14 CHAIRMAN KOTELCHUCK: Okay.

15 MEMBER CLAWSON: Being on the Savannah
16 River work site, this is one of our questions that
17 comes up is the monitoring of the people, and were
18 the right people monitored, and continued. And we
19 have seen through the process that sometimes they
20 do, sometimes they don't.

21 So in claimant-favorability -- and
22 their jobs haven't changed, so this has been part

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1 of our problem. And this is an issue in the Work
2 Group that we're trying to ---

3 CHAIRMAN KOTELCHUCK: Brad, I'm having
4 trouble hearing you. Am I the only one?

5 MEMBER CLAWSON: Well, can you hear me
6 any better now?

7 CHAIRMAN KOTELCHUCK: A little bit,
8 not much. Are other people having trouble?

9 MEMBER MUNN: No.

10 CHAIRMAN KOTELCHUCK: Okay. I'll
11 take care of it. It may be on my end on the phone.
12 Go ahead, Brad. I hear you. It's faint, but I
13 hear you.

14 MEMBER CLAWSON: No problem, I'm
15 sorry. The thing is is we're still trying to
16 figure out, because we see people that have been
17 monitored for tritium. They are in the process of
18 it. And then we don't have data. And then they're
19 back.

20 And our opinion is is that basically
21 there's -- we're trying to figure out that loop
22 right there. So this is a prime example of that,

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1 where there's no data for them. And, you know,
2 we're trying -- they're trying to deal with this
3 issue themselves. And I don't think that we can
4 just walk past it.

5 CHAIRMAN KOTELCHUCK: A-ha. Brad, I
6 don't remember, are you on that Subcommittee or
7 Working Group?

8 MEMBER CLAWSON: Yes. I'm chairing
9 it.

10 CHAIRMAN KOTELCHUCK: Okay. Well,
11 fine. We have so many working groups. I really
12 don't remember who's on which group. So this
13 really an issue that not only we can't resolve, but
14 the Working Group is working on it.

15 MEMBER CLAWSON: I just spent almost
16 six or seven hours last week going through tritium
17 samples, and people, and looking at the breaks in
18 a lot of this, and not really understanding.

19 And this is one of my questions that I
20 had was how come --- and they're in the same
21 position or whatever --- on one side, you know, I
22 understand what Scott is saying. You know, they

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1 could have been transferred or whatever. But it
2 doesn't make sense to me that they're not.

3 And so then to just give them ambient
4 dose, is that correct? I think that they've done
5 a good job from that standpoint, but it's just
6 interesting to me that we don't continue to ---
7 something's wrong there. That's just the bottom
8 line. And we need to get to the bottom of it and
9 figure it out. Because there is gaps in a lot of
10 this sampling, there's gaps.

11 MR. HINNEFELD: This is Stu Hinnefeld.
12 I would suggest maybe the path forward here that
13 this be sort of transferred to the Savannah River
14 Work Group, since this is a question that is being
15 addressed there.

16 I mean, the current guidance that we use
17 in dose reconstruction is that Savannah River
18 monitored people generously for tritium. And if
19 there's a year that's missed, that's because that
20 person was probably reassigned that year and not
21 in a tritium area.

22 And that is a question then that Work

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1 Group for Savannah River is considering during
2 their debate. And I don't think the DR
3 Subcommittee is going to resolve it. That'll be
4 up to the Work Group.

5 MEMBER CLAWSON: Well, and I agree with
6 Stu. Because this is one that we've been dealing
7 with at almost all these different sites when it
8 comes to different monitoring. But the tritium is
9 the interesting one, especially at Savannah River.

10 I would still find it as a finding, my
11 personal feeling. And we're not going to be able
12 to do it here. We've been trying to be able to do
13 this for years at the Subcommittee group. And I
14 think we ought to just put it to us.

15 MR. KATZ: So I would suggest then,
16 Dave ---

17 CHAIRMAN KOTELCHUCK: Yes?

18 MR. KATZ: -- that here we just leave
19 it in progress. Because if the Work Group is
20 wrestling or will be wrestling with this, then it
21 is potentially a consequential matter. And we
22 don't want to close it until you know what the

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1 outcome of that discussion is.

2 CHAIRMAN KOTELCHUCK: Well, but I have
3 to say, whichever way the Working Group decides,
4 this result will not change compensability.

5 MR. KATZ: That's true. But we're not
6 just looking at what the impact is on this case.
7 We're also concerned about the impact of a
8 procedural error, if it were an error, on cases that
9 were like it that we didn't review.

10 CHAIRMAN KOTELCHUCK: Oh, absolutely.
11 And we, from this discussion, we are left with the
12 understanding that the, if you will, some aspect
13 of the scientific validity has not been decided.

14 MR. KATZ: Right. And so all I'm
15 saying is instead of closing it, if you leave it
16 in progress, then once it gets closed at the Work
17 Group we can get that result and close this
18 correctly as either affirming the finding or, you
19 know, negating it. But you can't really do that
20 at this point, because ---

21 CHAIRMAN KOTELCHUCK: Right.

22 MR. KATZ: -- that Work Group will be

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1 making that decision.

2 CHAIRMAN KOTELCHUCK: Right. Yes, I
3 agree with you on that. And so there's nothing
4 lost in a review like this in leaving it open --

5 MR. SIEBERT: Right.

6 CHAIRMAN KOTELCHUCK: -- and then
7 closing it later once a decision has been made.

8 And for the individual, this individual
9 case, it will be closed when the scientific
10 judgments that are important to us are resolved,
11 and important to the case. So I'm, okay, I'm
12 persuaded that we leave it open.

13 MR. SIEBERT: This is Scott. I mean,
14 this is entirely your thing. I'm just asking. Is
15 there no longer the option of transferring it to
16 the Working Group?

17 MR. KATZ: Well, we don't really
18 transfer cases to Working Groups, Scott. We just
19 ---

20 MR. SIEBERT: Okay. That's fine.
21 \That's all I need to know.

22 MR. KATZ: Yes, that's all.

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1 CHAIRMAN KOTELCHUCK: Yes.

2 MR. KATZ: But the issue we're going to
3 send to them, and I will send that Work Group an
4 email just to make sure that when they do meet they
5 have this on their agenda to try to close this
6 matter out.

7 CHAIRMAN KOTELCHUCK: Yes.

8 MR. KATZ: Not particular to the case,
9 but particular to the issue.

10 CHAIRMAN KOTELCHUCK: Right. And
11 it's clear that the Working Group is working
12 actively to try to resolve it. And I don't envy
13 their -- I don't envy the task before them. So we
14 will leave it open.

15 MR. SIEBERT: Yes. Just one last
16 point.

17 CHAIRMAN KOTELCHUCK: Sure.

18 MR. SIEBERT: I just wanted to keep it
19 in. I did go back and check, and the environmental
20 was applied in 1994, as I stated.

21 CHAIRMAN KOTELCHUCK: Okay. So that
22 answers Rose's question. Alright. Then I think

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1 we're ready to go on. Rose, the next?

2 MS. GOGLIOTTI: Okay. The next is an
3 observation from Tab 404, Observation 1. And this
4 was an interesting case for us. In the CATI
5 report, the EE mentions receiving the chelation.
6 And there is some documentation of this. But we
7 believe that there wasn't enough documentation of
8 this.

9 In 1998, or 1988, excuse me, the SRS
10 Medical Department would have handled this. And
11 we're curious if all of the records that were
12 generated at that time were actually received by
13 NIOSH. Because there are not enough records in the
14 EE's files.

15 CHAIRMAN KOTELCHUCK: Response?

16 MS. GOGLIOTTI: NIOSH did respond,
17 saying that they followed their procedures,
18 essentially, and that any additional information
19 would not change the dose that was assigned.

20 And we believe it's kind of impossible
21 to know what information would be in the DOE files
22 or in the chelation files without having them. So

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1 we don't necessarily know what those records would
2 contain. And so we just question if the additional
3 records were requested from SRS Medical.

4 MR. SIEBERT: Once again, from our
5 point of view, we knew the date of the incident,
6 and there's not going to be additional information
7 from the chelation that is going to impact how we
8 assessed the claim. So there would be no further
9 requirement of records.

10 CHAIRMAN KOTELCHUCK: Do you believe
11 that you have the exposure records that would have
12 resulted in the chelation, I mean, that there may
13 have been an incident or a series of incidents? Do
14 you have the exposure information on the incident
15 or incidents?

16 MS. GOGLIOTTI: We have some
17 information on the chelation that was performed
18 after the incident.

19 CHAIRMAN KOTELCHUCK: Yes.

20 MR. SIEBERT: And we assigned it as an
21 incident.

22 CHAIRMAN KOTELCHUCK: Okay.

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1 MR. SIEBERT: So there would be no
2 further information that would change how we would
3 assess it.

4 CHAIRMAN KOTELCHUCK: Right. I see.
5 Because the medical verification, right. If you
6 have the exposure data for the incident, then you
7 have it. The chelation is not going to tell you
8 anything about the exposure, I suppose. No.

9 MS. GOGLIOTTI: Well, it tells you
10 about how the radionuclides were discharged from
11 the body after the incident.

12 CHAIRMAN KOTELCHUCK: Because the
13 medical people would monitor that.

14 MS. GOGLIOTTI: Correct.

15 CHAIRMAN KOTELCHUCK: That's true.

16 MEMBER CLAWSON: Well, so, Rose, this
17 is Brad. Help me and, Scott, you too, help me
18 understand this. So we have the record of the
19 incident that happened. And going into the
20 medical part of this, they would have the
21 organ-specific, how it lays out. Is that what the
22 issue is, is you don't have that medical part of

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1 it?

2 MS. GOGLIOTTI: We don't have the level
3 of records that should have been generated. I
4 think actually Doug may have worked at SRS at this
5 time.

6 MEMBER CLAWSON: And, Scott, you're
7 looking at it that you've got the dose that they
8 were given from the incident. And so we don't need
9 these records, correct?

10 MR. SIEBERT: That's correct. And
11 from a chelation point of view, that's going to
12 impact how much material is coming out when you're
13 doing a chelation.

14 And what we do for chelation is we look
15 at the data after chelation effect has been
16 impacted. We don't use the data for the first 100
17 days. So the impact of chelation has already been
18 removed from the body by the time we're looking at
19 the data that we're using.

20 So the amount that's removed from the
21 chelation is already taken into account by us using
22 the later data. I mean, if Liz Brackett wants to

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1 elaborate on that, I'd be happy to -- because she
2 knows -- I know quite a bit about it, but by all
3 means, Liz knows more.

4 MS. GOGLIOTTI: I think the question is
5 not that we're concerned in this particular
6 instance, but we're just concerned that the SRS
7 medical records, whether or not they're actually
8 being received in instances where there is a
9 chelation.

10 MS. BRACKETT: Well, I would like to
11 jump in here. This is Liz Brackett.

12 CHAIRMAN KOTELCHUCK: Please do.

13 MS. BRACKETT: There is nothing that
14 I'm aware of that would be in a medical record for
15 chelation that would impact how we did our dose
16 assessment, other than the specific dates of
17 chelation. Medical does not collect any
18 information that's of use to us in an internal dose
19 assessment.

20 CHAIRMAN KOTELCHUCK: There are no, I
21 mean, what about the urinalyses up to --- before
22 the chelation is started?

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1 MS. BRACKETT: That wouldn't be the
2 medical department. I mean, that would be
3 something that would be in the individual's records
4 --

5 CHAIRMAN KOTELCHUCK: Yes.

6 MS. BRACKETT: -- the analyses. That
7 would not be the medical department.

8 CHAIRMAN KOTELCHUCK: How long, I mean
9 --- yes, go ahead.

10 MEMBER CLAWSON: My question then is
11 if, and I understand what you're saying, Liz, the
12 medical information is not, the dose estimates are
13 not in the medical records. They would be over in
14 the -- the people that are taking care of that, your
15 bioassay and urinalysis personnel, correct?

16 MS. BRACKETT: Right. Medical
17 administers the chelation. They make the decision
18 on whether to chelate or not. And they administer
19 the chelates. But they don't do any follow-up as
20 far as assessing dose, or tracking where the
21 material is, or anything. That is all health
22 physics. That would be that aspect of it.

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1 CHAIRMAN KOTELCHUCK: A-ha.

2 MEMBER CLAWSON: Okay. Now with this
3 person, do we do we see that information in their
4 file from the health physics part of it or ---

5 MS. BRACKETT: I have to field this
6 back to Scott. Because I'm not familiar with this
7 specific case.

8 MS. GOGLIOTTI: I believe there are
9 just bioassays after the fact.

10 MS. BRACKETT: And so that's what would
11 be used to do an assessment.

12 MEMBER CLAWSON: Would we have a
13 bioassay before the fact so that we know what we
14 were, not what we ended up with but what they came
15 in with.

16 MS. BRACKETT: Well, that is not,
17 that's not used. That's not relevant to doing a
18 chelation assessment. We specifically don't use
19 that, because it's not going to be representative
20 of their final dose.

21 Because after the chelation, material
22 would be removed. It would not contribute to the

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1 dose. So it's not necessary to have --- and in
2 fact, because you want to chelate quickly, you have
3 a sample, because you have to wait for the urine
4 to accumulate and then collect the sample. And
5 normally you would want to chelate before you had
6 time to do that.

7 CHAIRMAN KOTELCHUCK: Yes.

8 MS. BRACKETT: So those samples aren't
9 used to assess a chelation, the intake.

10 CHAIRMAN KOTELCHUCK: A-ha. But the
11 record is substantial or full to the extent that
12 you believe is needed before the chelation was
13 performed?

14 This person had the bioassays and
15 urinalyses up through the time of chelation during
16 their regular work period, during and after, maybe,
17 but not after the incident? Is that what you're
18 saying?

19 MS. BRACKETT: I'm saying that was
20 common. As I said, I'm not familiar with the
21 details of this specific case. But you usually do
22 not have a sample that's collected between the time

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1 of intake and the chelation, because you want to
2 do the chelation as quickly as possible.

3 CHAIRMAN KOTELCHUCK: Right, right.

4 MEMBER CLAWSON: Well, and I
5 understand that. I guess it's, I guess usually,
6 and please forgive me, but whenever we have, we
7 usually have a sample that was taken so that they
8 always had a before and after to make sure that our
9 chelation has been --

10 CHAIRMAN KOTELCHUCK: Effective.

11 MEMBER CLAWSON: -- effective.

12 CHAIRMAN KOTELCHUCK: Yes.

13 MS. BRACKETT: Well, and that's
14 something that the site might be interested in.
15 But from a dose assessment standpoint that is not
16 necessary. We would do nothing from the
17 standpoint of this program in assigning a dose.

18 You don't need that sample, because we
19 don't -- the dose that was saved, so to speak, is
20 not relevant to what the final dose was. Our
21 interest here is what the dose was that was
22 delivered to the organ of interest.

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1 And so a sample collected right away ---
2 and again, that would mean postponing chelation.
3 You know, if you collected a sample two hours, for
4 example, after an intake, well, there's a few
5 things that would be diluted unless you had them
6 void their bladder as soon as they had the intake.
7 There would be uncontaminated urine in the bladder
8 at the time of the incident.

9 And so then it would be diluted. And
10 then only so much is going to come out within two
11 or three hours. And again, that's when we'd want
12 to be doing the chelation.

13 So, you know, a sample collected two or
14 three hours after an intake only causes so much
15 anyway. That's not usually used for assessing an
16 intake. Because there's so much variability, so
17 much uncertainty as to how much actually made it
18 to the urine in that small time.

19 CHAIRMAN KOTELCHUCK: Yes.

20 MS. BRACKETT: But the bottom line ---

21 MEMBER CLAWSON: Yes. And I
22 understand what you're saying. I'm just looking

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1 at how we went through the process. Because
2 there's almost --- they don't take chelation very
3 --- they take it very serious. I'm just going from
4 my standpoint.

5 They evaluate everything. Is this
6 going to be beneficial, kind of like a last-ditch
7 effort to us to be able to get rid of this stuff.
8 And that's why I was just wondering.

9 What I've seen, it's been they make
10 their determination on what's in their body. And
11 are we going to chelate or are we not? Because my
12 understanding is chelation is not a wonderful thing
13 to do.

14 CHAIRMAN KOTELCHUCK: Right.

15 MEMBER CLAWSON: So we were under the
16 thing --- I'm just trying to figure out, and I
17 understand what the SC&A's issue is. Medical
18 would have kind of been assisting with this, but
19 basically it comes back to the bioassay and these
20 people.

21 CHAIRMAN KOTELCHUCK: Yes. By the
22 way, Brad, I do think that, from things that I've

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1 talked with medical people, there's a fair amount
2 of variability within the medical profession
3 itself as to when you want to do chelation because
4 of its long-term negative effects.

5 And some folks will hold out quite a
6 while before they'll do chelation, you know, and
7 do it only in, you know, crises. But others will
8 do chelation a lot earlier, because they don't take
9 the long-term effects, they don't consider the
10 long-term effects terribly serious.

11 MS. BRACKETT: Well, there is, you
12 know, disagreement over effects. In fact, I've
13 seen papers recently that say that chelation is not
14 bad, that it has a bad reputation, but there aren't
15 these serious side effects that people often --

16 CHAIRMAN KOTELCHUCK: Yes.

17 MS. BRACKETT: I'm not familiar with
18 all of that. I haven't been involved, involved
19 with chelation. Like, I'm not sure, but I have
20 seen that.

21 But you're right. The different sites
22 certainly have --- there's a large variability

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1 among them as to at what level they will chelate.
2 And I believe Savannah River is one where they were
3 more likely to chelate than not. It's something
4 ---

5 CHAIRMAN KOTELCHUCK: Yes.

6 MS. BRACKETT: -- that they would do
7 much quicker than ---

8 CHAIRMAN KOTELCHUCK: Right.

9 MS. BRACKETT: -- than some other
10 sites. Whereas Brad said that, you know, there
11 would be a lot more thought put into it and a lot
12 more investigation before chelation. But
13 Savannah River, you know, was more likely to
14 chelate, I believe, than ---

15 CHAIRMAN KOTELCHUCK: Right, right.

16 MS. GOGLIOTTI: This the first
17 chelation case we've ever seen at SRS. And that's
18 why we brought this up.

19 CHAIRMAN KOTELCHUCK: Pardon?

20 MS. GOGLIOTTI: This is the first
21 chelation case we've seen. But we assumed that,
22 since they are so uncommon, SRS Medical likely

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1 would have done a full dose reconstruction
2 following the incident.

3 MS. BRACKETT: No. That's not --- I
4 think you should talk to Doug about that. Because
5 I would be very, very surprised if Medical had
6 anything to do with any kind of dose assessment.
7 That would be very unusual.

8 MEMBER CLAWSON: Medical would just,
9 this is Brad again, medical would just administer
10 that chelation, correct? That's kind of what I've
11 seen. They ---

12 CHAIRMAN KOTELCHUCK: Right.

13 MEMBER CLAWSON: -- tell them what to
14 do. And they're the ones that kind of do it. But
15 it falls back to the other people to monitor for
16 it.

17 MS. BRACKETT: Yes.

18 MR. FARVER: This is Doug Farver.

19 CHAIRMAN KOTELCHUCK: Yes, Doug. Hi.

20 MR. FARVER: Hi. I believe the basis
21 for this observation is that, when we were
22 reviewing this case, we read the CATI report. And

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1 the employee mentions receiving a chelation, you
2 know, for an incident. So we go and we look at the
3 DOE files, and we do not find any information about
4 that.

5 So in my experience, when there's a
6 chelation performed, there's usually information
7 generated about what the incident was, where it
8 happened, when it occurred, and so forth, because
9 of issues like Brad pointed out. They're very
10 concerned. So we just didn't find any of that
11 information when we looked in the DOE files. So
12 that prompted us to say, you know, gee, are there
13 more records out there? Because, you know, this
14 must have been a fairly important field to do a
15 chelation. So that was it.

16 CHAIRMAN KOTELCHUCK: Yes.

17 MR. FARVER: We thought there should be
18 more information than was contained in the DOE
19 files.

20 CHAIRMAN KOTELCHUCK: And, Scott, in
21 your response, it's not clear whether you sought
22 to find out if there was more information in the

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1 medical, from the Medical Department or not.

2 MR. SIEBERT: No.

3 CHAIRMAN KOTELCHUCK: Because it was
4 not necessary.

5 MR. SIEBERT: Correct. We did not,
6 because there was no reason. We did not need any
7 additional information to assess it.

8 CHAIRMAN KOTELCHUCK: Yes. And I
9 understand from Ms. Brackett that what's happening
10 is that, once the chelation begins, whatever
11 urinalyses are done afterward, they will go to the
12 lab, right? And the lab will have records of it,
13 whatever the Medical Department did. Once they
14 chelate, the assessment of what's coming out in the
15 urine is going to be looked at by the biolab in the
16 facility, right? Ms. Brackett, is that what
17 you're saying?

18 MS. BRACKETT: I'm sorry. I was
19 typing something to someone, and I didn't hear all
20 of that.

21 CHAIRMAN KOTELCHUCK: I said that when
22 you're -- you're saying that whatever information

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1 there is, once chelation has begun, I see the
2 argument why you want to start chelation as quickly
3 as you can. And you're not going to spend time
4 doing a sample, getting a urine sample before.

5 But once the chelation has begun, the
6 urine sample is sent -- the urine sample for what
7 is coming out from the chelation in the urine, is
8 going to go to a lab onsite. And there will be
9 records there.

10 MS. BRACKETT: Yes. Well ---

11 CHAIRMAN KOTELCHUCK: And yet that's
12 not a record of the exposure, that's a record of
13 what's coming out.

14 MS. BRACKETT: Correct.

15 CHAIRMAN KOTELCHUCK: Right. Based
16 on the chelation plus the exposure.

17 MS. BRACKETT: Right. And that's what
18 would be used to do the assessments.

19 CHAIRMAN KOTELCHUCK: Right, right.
20 Well, I'm reasonably convinced that there's not
21 useful information about exposure from that. And
22 I think it's an appropriate observation. And this

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1 discussion is a good one and one that's useful to
2 bring to the Subcommittee. But I don't see that
3 we're lacking exposure information that we could
4 otherwise have.

5 MEMBER CLAWSON: Well, Dave, let's ---

6 CHAIRMAN KOTELCHUCK: Yes.

7 MEMBER CLAWSON: -- ask the other
8 question here then.

9 CHAIRMAN KOTELCHUCK: Okay.

10 MEMBER CLAWSON: What did we find, not
11 in the medical records, but did we find evidence
12 of this in their file? Did we find anything like
13 this? I guess there's --

14 CHAIRMAN KOTELCHUCK: No.

15 MEMBER CLAWSON: -- for whoever.
16 There's nothing in this file about, you know, this
17 is the thing. And I understand, you know, what
18 Doug is saying in this. But the thing is, is if
19 they did chelate this person, and there are the
20 significant information in their bioassay or their
21 records from that standpoint, did we find any?

22 MS. GOGLIOTTI: Not to the level you'd

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1 expect. There is clear evidence that the
2 chelation occurred. But there's no reports
3 documenting the chelation, things that you would
4 expect to find in the records.

5 CHAIRMAN KOTELCHUCK: But there are
6 arguments that have now been given to suggest that
7 whatever was --- that there was no information
8 post-chelation, during and after chelation, that
9 would be useful in assessing the exposure of the
10 individual and, therefore, their Probability of
11 Causation.

12 MR. FARVER: This is Doug. I don't
13 believe there was any information in the DOE files
14 about the incident or even the word chelation. So
15 when we reviewed the CATI report, and we see, oh,
16 the employee mentions chelation, we're trying to
17 correlate that with what's in the DOE files.

18 CHAIRMAN KOTELCHUCK: Yes.

19 MR. FARVER: And we didn't find it. So
20 all we said was, gee, the employee says this, we
21 didn't find it in the files, maybe there's more
22 information out there.

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1 CHAIRMAN KOTELCHUCK: Right. And
2 that's appropriate. It was reported. It sounds
3 to me as if the Medical Department did not keep the
4 kind of records that they should have kept. But
5 our assignment is to figure out what exposures the
6 people had that might result in a cancer.

7 MEMBER CLAWSON: Yes but, Dave, this is
8 Brad. This is one of the issues that we've got,
9 is there's gaps in the data. And this is what
10 Doug's trying to say. If there was a chelation,
11 be it the Medical Department, be it whoever, there
12 still should have been more information in there,
13 especially chelation. After chelating somebody,
14 they usually have an awful lot of follow-up
15 bioassay for a while.

16 MR. SIEBERT: But, Brad, I was thinking
17 your question was, was there evidence of a
18 substantial intake, I mean, prior to the chelation?

19 MEMBER CLAWSON: Yes and ---

20 MR. SIEBERT: What I was taking from
21 Doug's statement is that there, I mean, setting the
22 medical records aside, the dosimetry records, the

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1 internal bioassay records, there should be a whole,
2 there should be clear evidence of an intake.

3 MS. GOGLIOTTI: There is.

4 MEMBER CLAWSON: Right.

5 MR. SIEBERT: There is.

6 MEMBER CLAWSON: And what we're saying
7 is that they're lacking. And I understand that.

8 MR. HINNEFELD: This is Stu Hinnefeld.
9 I have to step in here. What is lacking? We have
10 frequent and significant bioassay records. What
11 would we learn? You know, I don't understand
12 what's the benefit of knowing anything else?

13 MS. GOGLIOTTI: I think we don't know
14 what we don't know at this point.

15 MR. HINNEFELD: Well, but we know the
16 bioassay records.

17 (Simultaneous speaking.)

18 MR. HINNEFELD: But we know the
19 bioassay record. What else do we need to do the
20 dose assessment?

21 MEMBER CLAWSON: Yes.

22 MEMBER MUNN: I have to agree with

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1 Stu's question.

2 CHAIRMAN KOTELCHUCK: Yes.

3 MEMBER MUNN: We have the records that
4 we need.

5 CHAIRMAN KOTELCHUCK: Yes, we do.

6 MEMBER CLAWSON: So here's a question.
7 And this is, I think, what they're getting down to
8 is, so if you just have one bioassay, and that is
9 substantial, that's plenty for the --

10 MR. HINNEFELD: But that's what they
11 said, Brad. They said they had a substantial
12 bioassay record. There are bioassays there,
13 right?

14 MR. SIEBERT: There are multiple
15 bioassays the day after the incident, the day after
16 that, and daily bioassay pretty much for the next
17 few months.

18 MEMBER CLAWSON: Okay.

19 MR. SIEBERT: We're very clear on the
20 record.

21 CHAIRMAN KOTELCHUCK: Okay, that's
22 good. That's excellent. And I'm convinced that

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1 the argument has been made that, once the chelation
2 process starts, we're no longer assessing, or we're
3 assessing exposure plus the effects of chelation.

4 But if there's substantial data, and
5 people are saying there are, there's substantial
6 data actually after the incident, right, for the
7 next few days, then I think this is an observation,
8 a useful one.

9 We don't usually spend quite as much
10 time on observations. But I think it remains an
11 observation and a good point, but we're not lacking
12 what we need to make an assessment of the
13 Probability of Causation.

14 MEMBER CLAWSON: This is Brad. I
15 guess I'm misunderstanding. And I understand what
16 Stu is saying. So you're telling --- and I just
17 want to make sure, because I haven't been able to
18 look at all this data and stuff like that. And,
19 Doug, you've looked at this, you've looked at this
20 case.

21 My question is, is I was under an
22 impression that we do not have enough data. You

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1 felt that there should be more. That was my
2 understanding on this. And if we've got plenty,
3 I understand what you're saying, Stu. That's
4 great.

5 MR. FARVER: This is Doug. And it's
6 not that they don't have the bioassay data, okay.
7 There's dozens of follow-up bioassays. That's
8 why this is only an observation and not a finding.

9 The observation was that all we found
10 was a little indication in the record that says
11 nasal and saliva contamination with chelation.
12 That's it, one little piece of information.

13 But there should have been more
14 information in the file describing what the
15 incident was, what the levels of contamination
16 were, and so forth. And that's why we made it an
17 observation. Because there should have been, we
18 felt there should have been more information in the
19 records.

20 MEMBER CLAWSON: And I understand now
21 better, and forgive me. And I agree with Stu. If
22 you've got that in there, this is just, there's just

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1 not enough information with it. I agree with the
2 observation.

3 CHAIRMAN KOTELCHUCK: Yes, yes. I do,
4 too. And I think this has been useful discussion.
5 But I think we could move on now.

6 MR. HINNEFELD: If I just might make
7 one point, we don't ask --

8 CHAIRMAN KOTELCHUCK: Sure.

9 MR. HINNEFELD: -- we don't ask the DOE
10 for the medical records of every claimant. We ask
11 them for the X-ray exposure information for the
12 claimant.

13 CHAIRMAN KOTELCHUCK: Right.

14 MR. HINNEFELD: So we don't ask for the
15 entire medical record for the claimant, because we
16 don't ask for things we don't need to do the dose
17 reconstruction. In this case, we had the bioassay
18 records. We didn't need anything from a medical
19 record to do the dose reconstruction.

20 CHAIRMAN KOTELCHUCK: Yes. Okay. I
21 propose we go on. It's a little after 12:00.
22 Normally we break around 12:30. And so if folks

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1 who are on the line are open, let's do -- are there,
2 how many more observations are there? There's
3 another one at least. Are there more, and can we
4 resolve them?

5 In other words, let's work for another
6 20, 25 minutes. If that's okay with people, if
7 they want to take a break now and go to lunch?

8 MEMBER CLAWSON: Let's keep working;
9 it's still early.

10 CHAIRMAN KOTELCHUCK: Yes. Yes, I'm
11 sorry. I again said lunch. And you guys, it would
12 be breakfast if it's anything. Okay. If I don't
13 hear any call for a break, let's go on to the next
14 observation. And we'll go on until about 12:30
15 here on East Coast time. Okay, Observation 2, 404.

16 MS. GOGLIOTTI: Okay. Observation 2
17 is again related to the chelation. And this
18 observation states that we were unable to locate
19 any guidance regarding how you should model a
20 chelation, other than what's in OTIB-22.

21 CHAIRMAN KOTELCHUCK: Yes.

22 MS. GOGLIOTTI: And OTIB-22 is

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1 exclusively used for wound intake which would not
2 be applicable to this case.

3 CHAIRMAN KOTELCHUCK: Right.

4 MS. GOGLIOTTI: And NIOSH responded
5 that general guidance is provided to dose
6 reconstructors for training and on a case by case
7 basis. But there is some guidance in OTIB-22, and
8 there's also guidance in the Rocky Flats TBD which
9 is the largest site for the number of chelations.
10 And NIOSH says that they intend to include more
11 guidance in OTIB-60.

12 CHAIRMAN KOTELCHUCK: Right. But I
13 think, yes, I think we've had a good, robust
14 discussion on chelation. I'm not sure we need --
15 I do recommend closure. And, well, since this is
16 an observation, it's not so much closure as we ---
17 do we need any further --- maybe I'll ask. Do we
18 need any further discussion on this?

19 MEMBER MUNN: Not for me.

20 CHAIRMAN KOTELCHUCK: Anyone?

21 Then let's --- that's interesting.
22 And let's go on, if we may.

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1 MS. GOGLIOTTI: Finding 404.1.

2 CHAIRMAN KOTELCHUCK: Yes.

3 MS. GOGLIOTTI: And the finding said
4 that NIOSH failed to consider finger ring
5 monitoring. And NIOSH responded that they agreed
6 that a finger ring monitoring should have been used
7 and included.

8 And when they included this
9 information, it did not change the final
10 compensation decision. The original PoC was 49.07
11 percent. And the updated was 49.76, so very close
12 to the threshold but not quite there.

13 CHAIRMAN KOTELCHUCK: Right, right.
14 Let me understand. There was finger ring
15 monitoring, and it was not considered?

16 MS. GOGLIOTTI: Correct.

17 CHAIRMAN KOTELCHUCK: Okay.

18 MS. GOGLIOTTI: I believe this person
19 had a skin cancer on the hand.

20 CHAIRMAN KOTELCHUCK: Yes. Okay.
21 That's certainly -- if there was monitoring and it
22 was not considered, then this is appropriately a

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1 finding. It edges up very much closer to that
2 50-percent level, but it does not reach it. And
3 so this did not impact. The final decision remains
4 the same.

5 And I'm supposed to say we do enough
6 blinds and things like that to say that we're not
7 uncertain about our process in getting to 49.76.
8 So sounds like this should be closed as a finding.
9 What do other people think on the -- first,
10 Subcommittee members.

11 MEMBER CLAWSON: Well, this is Brad.
12 So it is a finding. I guess in the future they're
13 going to be taking this information into account.

14 MR. SIEBERT: Brad, this is Scott.
15 The information wasn't taken into account in the
16 first place. We're saying it's an error that it
17 wasn't. It's not that we normally do not take it
18 into account. It's an error that the dose
19 reconstructor should have and did not.

20 CHAIRMAN KOTELCHUCK: Right.

21 MEMBER CLAWSON: Oh, okay. That's all
22 I wanted to make sure, that it was. I'm good with

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1 it. Let's --

2 CHAIRMAN KOTELCHUCK: Same, yes.

3 MEMBER CLAWSON: -- move on.

4 CHAIRMAN KOTELCHUCK: It was a simple,
5 it was a mistake and didn't follow procedures.

6 MEMBER CLAWSON: Well, I'm sorry. I was
7 under the impression that this was one that wasn't
8 in the process. Thank you, Scott.

9 CHAIRMAN KOTELCHUCK: Yes, good.
10 Okay. So this will be closed unless I hear any
11 objection or question.

12 MEMBER BEACH: No objection here,
13 Dave.

14 CHAIRMAN KOTELCHUCK: Okay. Alright.

15 MS. GOGLIOTTI: Okay.

16 CHAIRMAN KOTELCHUCK: So be it. So be
17 it, closed.

18 MS. GOGLIOTTI: 404.2 is the next
19 finding.

20 CHAIRMAN KOTELCHUCK: Yes.

21 MS. GOGLIOTTI: And this finding is
22 about a failure to apply risk correction factors

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1 to missed neutron dose. And NIOSH response says
2 that they agree the correction factor should be
3 applied to missed neutron dose since it was applied
4 to all other radiation types.

5 CHAIRMAN KOTELCHUCK: Yes. I'm not
6 sure what you mean by risk correction factor. Is
7 this somebody working in a containment box or
8 something?

9 MS. GOGLIOTTI: I am not sure off the
10 top of my head. I would have to look into the case
11 file.

12 CHAIRMAN KOTELCHUCK: I mean, I just
13 don't know. I don't know why there was a risk
14 correction factor in there that should have been
15 applied.

16 MR. SIEBERT: I believe that's because
17 it's a geometry factor due to the fact that the
18 hands are further out than where the neutron
19 dosimeter would lay.

20 CHAIRMAN KOTELCHUCK: I see. Okay,
21 that's fine. No, clear, clear. Thank you.
22 Makes complete sense. And they're working in a

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1 glove box. So, right. Then NIOSH agrees. This
2 is a quality-assurance issue.

3 MR. KATZ: Right, just like the last
4 one.

5 CHAIRMAN KOTELCHUCK: Yes, yes.
6 Okay. And it did not impact the final outcome,
7 sounds like it is appropriate to close it. It is
8 a finding, an important one. And I think it should
9 be closed now. Are there questions about it or
10 objections?

11 MEMBER MUNN: No.

12 CHAIRMAN KOTELCHUCK: Okay. Alright.
13 Folks, good. Then I think it is closed. Then it
14 is closed.

15 MS. GOGLIOTTI: Okay.

16 CHAIRMAN KOTELCHUCK: Alright. Let's
17 go on --

18 MS. GOGLIOTTI: The next finding is
19 404.3.

20 CHAIRMAN KOTELCHUCK: Yes.

21 MS. GOGLIOTTI: And that is a failure
22 to apply attenuation factors. NIOSH's response

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1 was that it agreed that an attenuation factor could
2 have been applied to the hand and forearm for
3 periods when the shallow dose was assigned as
4 electrons. So essentially, NIOSH and SC&A are in
5 agreement.

6 CHAIRMAN KOTELCHUCK: Right, yes.

7 MS. GOGLIOTTI: And the use of an
8 attenuation factor doesn't impact the outcome of
9 the case. So we recommend closure.

10 CHAIRMAN KOTELCHUCK: Right. Now,
11 right. Okay, that's another aspect of, that's
12 another reflection of the hand and forearms being
13 closer to the site of the radiation than the badge.
14 Okay, seems like this should be closed unless there
15 are objections.

16 MEMBER MUNN: None.

17 CHAIRMAN KOTELCHUCK: Okay. So be it.
18 It will be closed. This is a different kind of
19 issue, I believe.

20 MS. GOGLIOTTI: Yes. The next finding
21 is 404.4. And the finding related to the omission
22 of argon-41 dose.

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1 CHAIRMAN KOTELCHUCK: Yes.

2 MS. GOGLIOTTI: And this is something
3 that I'm not sure if it's an artifact in the TBD,
4 but the TBD does recommend assigning argon dose.
5 NIOSH came back and said that the energy
6 distribution noted for argon is part of the ambient
7 dose and shouldn't be included in the dose
8 reconstruction, according to OTIB-17.

9 And our comment was just that the TBD
10 does specifically discuss noble gases separately
11 from the ambient radiation exposure. And so we
12 interpreted this to mean that argon exposure should
13 be treated differently than the exposure
14 traditionally considered ambient exposure.

15 And we would suggest adding some
16 clarifying text in the TBD to prevent
17 misinterpretation, if that is the correct
18 interpretation of what they mean to be applied
19 here.

20 CHAIRMAN KOTELCHUCK: Right.

21 MS. GOGLIOTTI: But the reason we did
22 this as a finding, and we've never seen argon dose

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1 actually applied, was simply because the PoC in
2 this particular case was so close to that 50
3 percent.

4 CHAIRMAN KOTELCHUCK: Yes.

5 MS. GOGLIOTTI: And if they did include
6 it though, it would only increase the dose, the
7 yearly dose of about zero to four millirem which
8 is likely too small to impact the PoC of this case,
9 still.

10 CHAIRMAN KOTELCHUCK: Yes.

11 MS. GOGLIOTTI: Was I correct in that
12 that was the correct interpretation of the TBD?

13 CHAIRMAN KOTELCHUCK: Scott?

14 MR. SIEBERT: I'm looking here real
15 quick. My understanding, and I'll jump back to
16 Matt Smith if I need specific clarification on
17 this, but that the argon should be rolled into the
18 ambient doses.

19 But in this case, specifically, you do
20 not assign ambient dose after 1980 because the
21 person was badged. So their badge would actually
22 catch the component as coming from argon.

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1 MR. SMITH: Yes, this is Matt Smith
2 with the ORAU team. And this is a case, and it's
3 there in the response, in the BRS. Procedure 60
4 covers this issue in more detail. It came out
5 after the SRS TBD which, if you look on the date
6 on it it's, you know, one of the earliest TBDs
7 that's out there.

8 CHAIRMAN KOTELCHUCK: Yes. Okay.
9 And this is, excuse me just a second, just reading
10 over, trying to absorb the --- so the argon-41
11 certainly would have be included on any effect of
12 any of the radioactive materials to be noted on the
13 badge.

14 What is argon-41, what kinds of
15 particles does it emit, or what kind radiation does
16 it emit? I mean, I just don't know. I have not
17 come into contact with argon-41, or I've not
18 thought about it.

19 MR. SMITH: I'd have to crack open
20 another resource to quote you the exact radiation
21 types and emissions. But it's hovering, in that
22 era certainly, anything that's electron or photon.

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1 CHAIRMAN KOTELCHUCK: Yes, yes.

2 MR. SMITH: There's probably a little
3 bit of both in emissions.

4 CHAIRMAN KOTELCHUCK: Right.

5 MR. SMITH: We're definitely capturing
6 things both ---

7 MS. GOGLIOTTI: It's a beta emission.

8 MR. SMITH: It's like an open window
9 and shielding parts of the dose ---

10 CHAIRMAN KOTELCHUCK: Alright. I'm
11 slightly worried about the comment, Rose's comment
12 that four millirems per year is too small to impact
13 the PoC when the PoC was very close to 50 percent.
14 And she said it's likely to be too small. And my
15 feeling is, well, if it's close, then our general
16 rule of thumb has been less than a millirem, it need
17 not be considered. On the other hand, suppose it's
18 four millirem?

19 MS. GOGLIOTTI: Well, under this
20 argument, then NIOSH is saying that this counts as
21 ambient dose even though it's described separately
22 in the TBD. And so it doesn't need to be assigned

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1 after 1980, if I'm understanding them correctly.

2 CHAIRMAN KOTELCHUCK: Yes. That's
3 right. You're clarifying it for me too. That is
4 correct. So it doesn't matter if it goes to four.
5 If it were four millirems per year, you would be
6 picking it up in the radiation measurement, in the
7 radiation assessment. And that's correct.
8 You're right.

9 So therefore, this will not affect.
10 It's close, but this will not affect, because it's
11 been taken into account. And therefore, to me,
12 that would suggest closing it. What do other
13 people think and, again, Subcommittee members?
14 Any concerns about this one?

15 MEMBER CLAWSON: No. This is Brad.

16 CHAIRMAN KOTELCHUCK: Yes. Okay.
17 Alright. I don't hear --- Pardon?

18 MEMBER POSTON: This is John. It's
19 fine with me.

20 CHAIRMAN KOTELCHUCK: Okay.

21 MEMBER BEACH: Yes, I'm fine too.

22 CHAIRMAN KOTELCHUCK: Fine, very good.

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1 So it's closed. 404.5, we're moving along, and
2 appropriately.

3 MS. GOGLIOTTI: 404.5 speaks that
4 there was a failure to assign a pre-employment
5 medical dose, so a medical X-ray. And NIOSH agreed
6 that a pre-employment X-ray for the year 1984
7 should have been applied for the dose
8 reconstruction.

9 CHAIRMAN KOTELCHUCK: Right.

10 MS. GOGLIOTTI: And again, this is a
11 quality issue. And we did not find that it
12 impacted, it wouldn't the impact outcome of the
13 case. So we recommend closure.

14 CHAIRMAN KOTELCHUCK: Okay. That is,
15 you checked that, and it did not.

16 MS. GOGLIOTTI: Earlier in this, when
17 NIOSH, the 404.1 ---

18 CHAIRMAN KOTELCHUCK: Yes.

19 MS. GOGLIOTTI: -- NIOSH provided the
20 PoC estimate. And that included the impacts of all
21 of these findings.

22 CHAIRMAN KOTELCHUCK: Okay, good,

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1 good. So this is not just, I think, this has been
2 checked. And it does not affect the final outcome,
3 which to me means that closure is appropriate.
4 Again, do I have --- why don't I ask are there
5 objections to closing it?

6 MEMBER MUNN: None here.

7 CHAIRMAN KOTELCHUCK: Okay. Fine.
8 Hearing none, it is closed. Are we getting ---
9 and there are no observations on this one.

10 MS. GOGLIOTTI: The observations were
11 actually covered first. So there were
12 observations.

13 CHAIRMAN KOTELCHUCK: Oh, yes, of
14 course there were. Yes, yes. So we're up to 405.
15 It is 20 after 12:00 East Coast time. I think this
16 may be a reasonable time to stop for a longer break,
17 a breakfast or lunch break, or for some of us a work
18 break until we come back. Why don't we come back
19 at 1:30 East Coast time, that is give ourselves an
20 hour and ten minutes?

21 MEMBER MUNN: That sounds fine to me.

22 CHAIRMAN KOTELCHUCK: Okay.

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1 MEMBER MUNN: And, Dave, just for your
2 information, I finally got my chart of the nuclides
3 off my shelf.

4 CHAIRMAN KOTELCHUCK: Alright.

5 MEMBER MUNN: Argon-41 is beta and
6 gamma, no surprise.

7 CHAIRMAN KOTELCHUCK: Okay, good.
8 Alright, good, good. You learn something every
9 Subcommittee session, or remind yourself. Okay.
10 Thank you, all. And we will see you then at 1:30
11 East Coast time.

12 MEMBER MUNN: Okay.

13 CHAIRMAN KOTELCHUCK: Bye-bye.

14 MEMBER MUNN: Bye-bye.

15 (Whereupon, the above-entitled matter
16 went off the record at 12:21 p.m. and resumed at
17 1:32 p.m.)

18

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1 A-F-T-E-R-N-O-O-N S-E-S-S-I-O-N

2 1:32 p.m.

3 CHAIRMAN KOTELCHUCK: Okay, good.

4 Well, as I see it, we were getting ready to do 405,
5 but I remember that 405 is one of the duplicate
6 cases, right?

7 MS. GOGLIOTTI: Correct.

8 CHAIRMAN KOTELCHUCK: So we don't have
9 many more for SRS. We go now to what, 416 or
10 something? Anyway, let's go, folks, we were at
11 405. We'll go down. There's a couple of
12 observations, and three observations and two
13 findings. And we are down to 416.1, correct?

14 MS. GOGLIOTTI: That is right.

15 CHAIRMAN KOTELCHUCK: Okay.

16 MS. GOGLIOTTI: Well, this is actually
17 an observation so it's just 416 Observation 1.

18 MR. KATZ: Are we still on SRS?

19 MS. GOGLIOTTI: Yes.

20 CHAIRMAN KOTELCHUCK: Yes we're on it.

21 Yes, finishing up SRS. You say you've changed it
22 to an observation?

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1 MS. GOGLIOTTI: No, it was always an
2 observation.

3 CHAIRMAN KOTELCHUCK: Oh, okay.
4 Okay, very good. Fine.

5 MS. GOGLIOTTI: So the observation
6 states that we believe the case is eligible for the
7 SRS SEC and it wasn't flagged as such. And NIOSH
8 responded basically saying that when they
9 processed the claim, it was not eligible to be
10 included in the SRS SEC.

11 (Simultaneous speaking.)

12 CHAIRMAN KOTELCHUCK: Okay. Now that
13 is not written down here, right? Oh, this is your
14 old write-up before you folks realized that the
15 person should be in the SEC?

16 MEMBER MUNN: That was last year.

17 CHAIRMAN KOTELCHUCK: Yes, 4/9.

18 MS. GOGLIOTTI: The case was processed
19 quite some time ago now, probably several years
20 ago.

21 CHAIRMAN KOTELCHUCK: Right, right.
22 So how do we classify it? I mean, it's not, let

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1 me understand, it was not eligible for the SEC when
2 you first analyzed it, is that it? And we've since
3 --

4 MS. GOGLIOTTI: When NIOSH analyzed
5 the case it was not eligible for --

6 CHAIRMAN KOTELCHUCK: Right.

7 MS. GOGLIOTTI: -- there wasn't an SRS
8 SEC at the time. But since then, when we reviewed
9 the case there was in fact an SRS SEC.

10 CHAIRMAN KOTELCHUCK: Right. In a way
11 we should not, I guess we should not say that we're
12 analyzing this because there is no need to do it.
13 Right? So this is neither an observation nor a
14 finding. It's --

15 MS. GOGLIOTTI: I mean, we're simply
16 observing that the case then has fallen into the
17 SEC?

18 CHAIRMAN KOTELCHUCK: Right, right.
19 Is that, where is that so written? Is it in there?

20 MS. GOGLIOTTI: Well, it is written in
21 the finding text or the observation text in the dose
22 reconstruction report.

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1 CHAIRMAN KOTELCHUCK: Okay, alright.
2 Okay. I'm just scrolling through. Okay, I'm
3 just, it's just an issue of how does it get
4 recorded. You did do work on it and it was work
5 that, you know, SC&A should be compensated for.
6 But do we record it as a finding for future --

7 MS. GOGLIOTTI: It's not a finding;
8 it's an observation. We were simply giving this
9 attention --

10 (Simultaneous speaking.)

11 CHAIRMAN KOTELCHUCK: Okay, yes, yes.
12 That's good. Okay, and all of those are
13 observations. Okay. And so do we go on to SRS
14 440?

15 MS. GOGLIOTTI: Well, we have to cover
16 416 Observation 2.

17 CHAIRMAN KOTELCHUCK: Okay, let's see
18 that.

19 MS. GOGLIOTTI: And that observation
20 states that the incorrect organ dose correction
21 factor was stated in the dose reconstruction
22 report. And NIOSH agreed that while they did state

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1 the incorrect dose correction factor, they did in
2 fact use the correct one. This was simply a QA
3 error. It doesn't impact the actual dose
4 reconstruction, it impacts the quality of the dose
5 reconstruction report.

6 CHAIRMAN KOTELCHUCK: Okay, alright.
7 Yes. Alright, then we don't -- is there any
8 comment by anybody? I don't think there need be.

9 MEMBER BEACH: No problem.

10 CHAIRMAN KOTELCHUCK: Okay. Let's go
11 on.

12 MS. GOGLIOTTI: Observation 3 states
13 that NIOSH does not consider all the x-ray
14 examination records that were found in the DOE
15 files. And NIOSH responded that standard practice
16 has been omitting medical x-ray claims, or only
17 including those that occurred during the
18 claimant's employment.

19 This particular EE had reported x-rays
20 that were done after their employment, which is
21 somewhat unusual. And since they were outside of
22 the covered employment, they're not required to be

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1 covered.

2 CHAIRMAN KOTELCHUCK: I'm not finding
3 the write-up that you're talking about. I'm so
4 sorry.

5 MS. GOGLIOTTI: Did you click on the
6 plus sign next to 416? It's a blue plus sign?

7 CHAIRMAN KOTELCHUCK: No, I didn't.
8 That's it. I haven't found it yet.

9 MS. GOGLIOTTI: So if you search for
10 416 and then scroll down to Observation 3. And
11 then the little blue plus sign.

12 CHAIRMAN KOTELCHUCK: Hold on a
13 minute. Okay. Maybe I'm the only one having
14 this, I don't know. 416 Observation 3. I don't
15 see any sign, any 416 Observation 3. Okay,
16 finally, I've got the x-ray exam records. Sure,
17 sure.

18 Okay, thank you. I've located it and
19 I hope everybody else has 416 Observation 3. Do
20 go ahead. Or you just finished actually while I
21 was searching. Maybe I'll take a read and others
22 can go on.

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1 MS. GOGLIOTTI: And this is only an
2 observation again. We understand that it's
3 outside the covered employment.

4 CHAIRMAN KOTELCHUCK: Yes.

5 MS. GOGLIOTTI: But we've pointed it
6 out because we believe that the dose reconstruction
7 report would have benefitted from including
8 discussion.

9 CHAIRMAN KOTELCHUCK: Yes, yes.
10 Right. It was not eligible to be included. Okay,
11 that sounds fine. What should we go on to?

12 MS. GOGLIOTTI: Okay.

13 CHAIRMAN KOTELCHUCK: Right.

14 MS. GOGLIOTTI: And the next finding is
15 from Tab 416 Finding 1. And the finding states
16 that there was incomplete accounting of fitted
17 neutron dose. NIOSH agreed.

18 They said that they incorrectly
19 selected the reactor ops SD versus the reactor ops
20 in their workbook tool for several years, and that
21 resulted in the omission of neutron dose for those
22 years.

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1 CHAIRMAN KOTELCHUCK: Right, right.
2 How does SD differ from plain old reactor ops?

3 MR. SIEBERT: The difference is SD
4 stands for shutdown, it's when the reactors are
5 shut down versus operating, so there's no neutron
6 component.

7 CHAIRMAN KOTELCHUCK: Yes, right.

8 MR. SIEBERT: And this was Scott, by the way.

9 CHAIRMAN KOTELCHUCK: Yes, thank you
10 for clarifying that. Okay. PoC changed to 46
11 percent. Again, not compensated but that's okay.
12 Then this should be, seems like it should be closed.
13 Are there any concerns or objections?

14 MEMBER BEACH: No.

15 MS. GOGLIOTTI: This is just an error
16 that the dose reconstructor reflected in the
17 workbook. This is not an automated feature of the
18 workbook. Is that correct, Scott?

19 MR. SIEBERT: That --

20 MEMBER MUNN: To me that's just another
21 QA error.

22 CHAIRMAN KOTELCHUCK: Yes. Sounds

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1 like we should close it. Okay. That will be
2 closed.

3 MS. GOGLIOTTI: Okay. The next
4 finding is 416.2. And the finding is about
5 incomplete accounting of missed neutron dose. And
6 this is essentially the same as 416.1.

7 CHAIRMAN KOTELCHUCK: Yes.

8 MS. GOGLIOTTI: But because of the
9 finding coding, we have to have a separate finding
10 for missed and measured.

11 CHAIRMAN KOTELCHUCK: Okay. I see.
12 Correct. So that is the same issue and should be
13 closed unless I hear objections. I do not. So
14 closed.

15 MS. GOGLIOTTI: Okay, 416.3 is the next
16 finding. It has to do with TBD guidance not being
17 followed from the years 1953 through 1963. This
18 was kind of an interesting -- we were under the
19 impression that NIOSH was attempting to assign
20 unmonitored fission product dose when in fact they
21 were not trying to do that.

22 And the recommendations are very much

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1 similar except for there's one deviation and so we
2 thought that they were not following that when they
3 were actually following guidance for measured
4 dose.

5 And they were modeling it after the
6 measured tritium dose, which I did confirm is
7 consistent with what is in the TBD. We were just
8 not understanding what was done.

9 CHAIRMAN KOTELCHUCK: Okay. Right.
10 Right? The use of this should be, hold it just a
11 minute. This is a finding? So basically SC&A
12 agrees with what NIOSH has done?

13 MS. GOGLIOTTI: Yes. Let me clarify
14 what they actually were intending of doing and it
15 does make sense with the guidance.

16 CHAIRMAN KOTELCHUCK: Yes, yes.

17 MR. SIEBERT: This is Scott then. The
18 question is should it be withdrawn since we did it
19 correctly?

20 MR. KATZ: Yes.

21 CHAIRMAN KOTELCHUCK: Yes. This
22 should be an observation.

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1 MR. SIEBERT: I was asking if it
2 actually, the finding itself should be just
3 removed, withdrawn in toto, I mean, because it's
4 not an observation. It's nothing wrong, there's
5 no corrective action, there's nothing. It's just
6 --

7 CHAIRMAN KOTELCHUCK: Well, it was a
8 comment by, it was a misunderstanding on SC&A's
9 part. But it was a comment to see if, you know,
10 if there was a problem. There was no problem.
11 You're right, you're absolutely right. There was
12 no error on NIOSH's part so there can be no finding.

13 MR. SIEBERT: Right.

14 CHAIRMAN KOTELCHUCK: But was it
15 reasonable, I mean, there will be many times, there
16 have been in the past and there will be in the future
17 where SC&A will analyze something and then not
18 realize certain facts on the ground that were
19 there. And they will be informed of it and they
20 will, it will be closed.

21 It seems to me it's a recent, it's an
22 observation and a reasonable one given that they

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1 did not know that when you explained it. They know
2 it now in that sense. And I don't think, if you
3 will, a finding is in any way, excuse me, an
4 observation is in any way a negative, it's not a
5 negative mark against anybody. Right? It's just
6 clarification.

7 So I would actually opt it to be
8 considered, moved to be an observation. And I
9 wondered what do other Board Members think?

10 MEMBER BEACH: No.

11 CHAIRMAN KOTELCHUCK: It's certainly
12 not a finding.

13 MEMBER BEACH: No, no.

14 CHAIRMAN KOTELCHUCK: Matter of fact,
15 it cannot be.

16 MEMBER CLAWSON: It's not a finding. It
17 would be an observation.

18 CHAIRMAN KOTELCHUCK: Right, I agree.

19 MS. GOGLIOTTI: Okay.

20 CHAIRMAN KOTELCHUCK: Okay,
21 observation it is.

22 MS. GOGLIOTTI: I'll move that to an

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1 observation.

2 CHAIRMAN KOTELCHUCK: Yes.

3 MS. GOGLIOTTI: Finding 416.4.

4 CHAIRMAN KOTELCHUCK: Yes.

5 MS. GREENBERG: It has to do with an
6 inconsistent method used to assign unmonitored
7 fission product dose. And here NIOSH agrees that
8 in order to be consistent, they should have applied
9 it, so we are in agreement.

10 CHAIRMAN KOTELCHUCK: Yes. Right,
11 okay. This claim, yes, of course, this qualifies
12 through the SEC inclusion, sure. Good. And so
13 the fact is I was just getting ready to ask a
14 question. Well, are you sure it will not have a
15 significant impact on the dose?

16 And of course you reminded me then on
17 the next line that it's part of the SEC. So
18 obviously it does not matter what the dose is that
19 you've calculated.

20 Alright. Then I believe this should be
21 closed, again. I will ask if there are any
22 objections.

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1 MEMBER MUNN: No.

2 CHAIRMAN KOTELCHUCK: Simple case, I
3 think. Good. So be it, it's closed. And is that
4 the last one? Not quite.

5 MS. GOGLIOTTI: We have one other SRS
6 observation and then that will close that out.

7 CHAIRMAN KOTELCHUCK: Okay.

8 MS. GOGLIOTTI: This comes from Tab 440
9 and this is Observation 1.

10 CHAIRMAN KOTELCHUCK: Yes.

11 MS. GOGLIOTTI: Here we had kind of an
12 unusual circumstance. The EE was diagnosed with
13 [identifying information redacted].

14 CHAIRMAN KOTELCHUCK: Okay, ah.
15 Okay.

16 MS. GOGLIOTTI: NIOSH selected the
17 bone risk model. And we had some questions on what
18 was done because this is a leukemia rather than a
19 bone cancer.

20 And when we investigated this further
21 we came across the ICD-9 code, which is a code
22 assigned by DOL as [identifying information

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1 redacted], which is kind of the opposite of
2 [identifying information redacted], which
3 involves an [identifying information redacted] of
4 red blood cells.

5 So when I looked into past claims that
6 we've evaluated with the same cancer, a different
7 ICD-9 code was selected. And that code triggers
8 how IREP is run or which model is selected for IREP.

9 And so we were curious if the correct
10 code was selected. And NIOSH came back and said
11 that this code is in fact assigned by DOL so it's
12 not technically under their purview. But the
13 other ICD-9 code could have been selected.

14 When they select that code, it prompts
15 you to run both a bone and a multiple myeloma IREP
16 run. And in this case, the bone was in fact the
17 most claimant-favorable and therefore it doesn't
18 impact the PoC of this claim. Selecting a
19 different IREP model didn't impact this case.

20 CHAIRMAN KOTELCHUCK: So I read this
21 and I was not aware of this, the IREP code, the code,
22 the ICD code is determined by Department of Labor,

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1 by their staff.

2 MS. GOGLIOTTI: Right.

3 MEMBER MUNN: Well, usually.

4 CHAIRMAN KOTELCHUCK: Yes. I mean,
5 what would be, it clearly will not affect, change
6 the final outcome, but how would you deal with the
7 problem of believing that the ICD code is not the
8 best one, a better one or a proper one should be
9 used? How would one deal with that?

10 MR. KATZ: So in these situations,
11 since it's not under NIOSH purview, I mean, the most
12 that can be done is a memo can go to DOL saying for
13 this case we believe, if that's what NIOSH
14 believes, the code may be in error and you may want
15 to check this.

16 CHAIRMAN KOTELCHUCK: Yes.

17 MR. KATZ: And explain why in the memo.
18 And then DOL can consider that. But that's what
19 we would do normally.

20 CHAIRMAN KOTELCHUCK: Right.

21 MEMBER MUNN: Yes, we've done that in
22 a couple cases but tried to avoid it if we possibly

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1 can.

2 CHAIRMAN KOTELCHUCK: Of course, and I
3 understand.

4 MR. KATZ: There's absolutely nothing
5 wrong with sending a memo over if it makes sense
6 to do so, if it helps.

7 CHAIRMAN KOTELCHUCK: Well, I mean, in
8 this case, it doesn't.

9 MR. KATZ: In this case, it doesn't
10 sound like it has any impact anyway.

11 CHAIRMAN KOTELCHUCK: Well, but that's
12 irrelevant.

13 MR. KATZ: It sounds like they've been,
14 from what Rose was saying, they've been coding
15 these a different way. They coded this one this
16 way. So it doesn't sound like it's a systemic
17 error on the part of DOL for this case.

18 CHAIRMAN KOTELCHUCK: Well --

19 MR. KATZ: I don't know what the
20 benefit is of sending a memo over.

21 CHAIRMAN KOTELCHUCK: Well, does that
22 mean that we have had other cases of the

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1 [identifying information redacted]? I mean, this
2 is not the first case.

3 MS. GOGLIOTTI: I'm not positive. I
4 may have looked in the actual NIOSH database.

5 CHAIRMAN KOTELCHUCK: Yes. I mean,
6 I'm concerned that this may be the first case or
7 one of the very few and that there wouldn't seem
8 to be a precedent.

9 And it sounds to me as if there would
10 be some value in looking and suggesting that things
11 that fall into this general category under ICD-9
12 should be looked at a little differently or they
13 should consider in future runs.

14 MR. KATZ: Well, it sounds like what
15 Rose is saying that in our claimant database, a lot
16 of other cases, and they were all done, in Rose's
17 perspective, correctly. This is an outlier, it
18 was done differently and that's why they were
19 questioning it in the first place. It has no
20 impact on this case.

21 CHAIRMAN KOTELCHUCK: It certainly
22 doesn't.

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1 MR. KATZ: But it looks like this case
2 may have been in error. It may have been that we
3 don't know something that DOL does know about this
4 case.

5 CHAIRMAN KOTELCHUCK: I don't know.

6 MR. KATZ: So anyway, it maybe is an
7 outlier. If you want, you know, Rose can write up
8 a little memo about the circumstances here and we
9 can, you know, send that over to DOL and they can
10 have a look at it to check to see for this case.
11 It's not going to impact this case.

12 CHAIRMAN KOTELCHUCK: No, that's
13 right.

14 MR. KATZ: So I don't know what they
15 would do with this anyway unless they found that
16 there's some greater problem with other cases.

17 CHAIRMAN KOTELCHUCK: Well, I mean,
18 that's the issue. The issue that other cases --
19 well, so we know that previous cases have been
20 handled, from SC&A's perspective, properly. To me
21 it's such a rare event that I would tend to, I
22 actually lean towards sending a note.

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1 But I wondered again what other Board
2 Members think. Should we send a note on this? I
3 think it's so rare that from one staff member to
4 another, there may be --

5 MR. KATZ: There's no harm in it, Dave.
6 So, Rose, just write this up in just a little
7 narrative with the case information so it's easy
8 to identify. You know, just a little short note
9 from SC&A to me.

10 I will forward that through to NIOSH who
11 can send it on to a contact at DOL and they can do
12 what they want with the note but then we'll have
13 at least informed them that we found this and there
14 may be a problem somewhere.

15 MS. GOGLIOTTI: I can certainly do
16 that.

17 CHAIRMAN KOTELCHUCK: I think I would
18 like that. I would like that to be done.

19 MR. KATZ: Fine, let's do that.

20 CHAIRMAN KOTELCHUCK: Great. Well,
21 that brings us to the end of the SRS cases here.

22 MR. SIEBERT: Dr. Kotelchuck, this is

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1 Scott. I hate to keep doing this to you, but I
2 think there's still an additional finding that we
3 had to look at from the last meeting for the
4 Savannah River case.

5 CHAIRMAN KOTELCHUCK: Is there?
6 Okay, I did not remember that, but good.

7 MR. SIEBERT: And Rose can correct me,
8 but I think it's 356.6.

9 CHAIRMAN KOTELCHUCK: Okay, let me get
10 my notes out here. I not only don't mind you
11 reminding me, I thank you for reminding me. It's
12 easy for us to overlook things as we go from meeting
13 to meeting. And let me just see in my notes. One
14 second. Pardon me. Okay, good. That would be,
15 you say 356?

16 MR. SIEBERT: Yes, point six, correct.

17 CHAIRMAN KOTELCHUCK: 356.6. That, I
18 believe we have that in something, in the 14 through
19 18? Let's see, did you send that to us, Rose?

20 MS. GOGLIOTTI: This is still in the
21 BRS.

22 CHAIRMAN KOTELCHUCK: Okay.

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1 MS. GOGLIOTTI: So if you just simply

2 --

3 (Simultaneous speaking.)

4 CHAIRMAN KOTELCHUCK: Oh, it is okay.
5 Fine, alright. One minute. Try and find it
6 there. 359. What page is it on?

7 MS. GOGLIOTTI: Well, the BRS doesn't
8 have pages.

9 CHAIRMAN KOTELCHUCK: You're right, it
10 doesn't. Right. I'm just scanning down. I'm on
11 359. Do I have the right one, or is it going up?

12 MS. GOGLIOTTI: If you just [hit]
13 Control F and then type 356.6, it will pull it right
14 up for you.

15 CHAIRMAN KOTELCHUCK: Control F, okay.
16 Thank you. Well, very good, 356.6. Thank you.
17 Not all of us know this so it'll be another thing
18 we put in. Very good. And fine.

19 MS. GOGLIOTTI: Well, I spend a little
20 bit more time in the BRS than most people.

21 CHAIRMAN KOTELCHUCK: Yes. Alright.

22 MS. GOGLIOTTI: This finding is --

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1 CHAIRMAN KOTELCHUCK: Where it says,
2 to me it says, I'm sorry, this is new for me. So
3 find, next or open? Open full search, right?

4 MS. GOGLIOTTI: This is in progress.

5 CHAIRMAN KOTELCHUCK: Okay. Well, it
6 did not give me -- I have 356.6, pardon me. Enter,
7 should I hit enter?

8 MS. GOGLIOTTI: Yes.

9 CHAIRMAN KOTELCHUCK: Right.

10 MS. GOGLIOTTI: It should pull up 356
11 for you. It's about a quarter of the way down the
12 page.

13 CHAIRMAN KOTELCHUCK: Okay. Hold it.
14 I'm sorry to waste the other Members' time as I
15 search around. Why don't you begin?

16 MS. GOGLIOTTI: Okay. This finding
17 says there was an inconsistent assignment of
18 unmonitored, slash, environmental tritium dose.
19 And we did begin this at the last meeting.

20 CHAIRMAN KOTELCHUCK: Yes.

21 MS. GOGLIOTTI: And NIOSH has since
22 responded. There's a White Paper here that I did

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1 not see. Oh, updated last week, that's why. Let
2 me download this White Paper. It doesn't seem to
3 be downloading. So perhaps we can start with the
4 Hanford ones and when we come back to it, we can
5 have it pulled up for you.

6 CHAIRMAN KOTELCHUCK: Okay. So you
7 say there's something that you had not, you haven't
8 had a chance to look it over?

9 MS. GOGLIOTTI: I have not seen this
10 response.

11 CHAIRMAN KOTELCHUCK: Okay.

12 MS. GOGLIOTTI: Let me --

13 (Simultaneous speaking.)

14 CHAIRMAN KOTELCHUCK: Well, and that
15 -- okay.

16 MS. GOGLIOTTI: Nicole, are you still
17 on the line?

18 MS. BRIGGS: Yes.

19 **HANFORD**

20 MS. GOGLIOTTI: Do you want to start
21 with your first Hanford case? I'm having some
22 trouble pulling it up here.

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1 MS. BRIGGS: Sure.

2 CHAIRMAN KOTELCHUCK: Yes, that would
3 be good.

4 MS. BRIGGS: Do you want to put up the
5 Hanford BRS?

6 MS. GOGLIOTTI: That's what I'm
7 working on right now.

8 MS. BRIGGS: Oh, okay.

9 CHAIRMAN KOTELCHUCK: Now that was --

10 MS. GOGLIOTTI: This was the same, just
11 at the very top of this BRS entry. Go all the way
12 up. It doesn't always cooperate with us here.

13 CHAIRMAN KOTELCHUCK: Right.

14 MS. BRIGGS: Do you want me to start or
15 do you want to wait until you can get the file up?

16 MS. GOGLIOTTI: There we go.

17 MS. BRIGGS: Okay.

18 MS. GOGLIOTTI: Go ahead.

19 MS. BRIGGS: Alright. Okay, so this
20 is the first Hanford finding of the set. It's
21 number 343.1.

22 CHAIRMAN KOTELCHUCK: Okay.

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1 MS. BRIGGS: Yes, this is a minor issue
2 that I don't know if it's come up in the past but
3 I know we'll see it again a couple of times maybe
4 even in this finding set. It has to do with the
5 recorded photon doses that are calculated using
6 dose conversion factors with AP geometry.

7 There are procedures in the external
8 dose implementation guide that recommend that for
9 cases involving the lung along with a few other
10 organs, when the dosimeter is worn on the chest,
11 then the rotational dose conversion factor should
12 be applied along with some correction factors that
13 are published in that section of the guidance.

14 And let's see, I guess NIOSH did agree
15 that the rotational geometry would be
16 claimant-favorable for this case. But the change
17 has a very, very small effect on the assigned dose
18 and the PoC.

19 In our BRS exchange, we did ask if the
20 Hanford workbook tool had been changed to include
21 that protocol. And NIOSH did provide us with a
22 list of the updated tools. And we reviewed the

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1 updated Hanford tool for the changes and everything
2 was there. So we recommend closing this finding.

3 CHAIRMAN KOTELCHUCK: Right. Okay.
4 And SC&A and NIOSH are in agreement. The PoCs have
5 been calculated, recalculated and they're nowhere
6 near compensability.

7 MR. SIEBERT: This is Scott. I am so
8 sorry. The SC&A person who's handling these, I
9 just didn't recognize your name. I'm sorry, could
10 I get that again?

11 MS. BRIGGS: Oh, sure. I'm Nicole
12 Briggs.

13 MR. SIEBERT: Hi, Nicole. I'm sorry,
14 I just want to make sure I was talking to the right
15 person.

16 MS. BRIGGS: That's okay.

17 CHAIRMAN KOTELCHUCK: Okay. It's
18 clear-cut and seems like it should be closed.
19 Again, any objection from our -- and this is
20 corrected for the future.

21 MR. SIEBERT: Correct. All of our
22 tools have been updated to reflect this option.

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1 CHAIRMAN KOTELCHUCK: Right. So
2 unless I hear objections, we will close.

3 MS. BEHLING: This is Kathy Behling,
4 can I just make a comment?

5 CHAIRMAN KOTELCHUCK: Sure.

6 MS. BEHLING: Or ask a question? Is
7 there any need to go back between the time that this
8 workbook was updated? Is there any need for a PER
9 or to go back to other cases? I think we may have
10 talked about this but, Scott, refresh my memory.

11 MR. SIEBERT: Yes, you're right. We
12 have discussed it. We're basically, and I'm
13 speaking for NIOSH -- Stu, feel free to correct me
14 if I'm wrong -- but my understanding is we'll be
15 rolling this into the PER that updates to ICRP-116
16 where all the DCs change anyway. And the whole
17 process will be different. So it will be a subset
18 of the large PER that's covered under that.

19 CHAIRMAN KOTELCHUCK: Right, and
20 that's a Hanford PER?

21 MR. SIEBERT: Well, that's a PER for
22 all of the assessments we've done because the ICRP

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1 has changed how they calculate the DCs. And it
2 will have an impact on the whole program from
3 ICRP-116.

4 CHAIRMAN KOTELCHUCK: Good, good. So
5 it will be done in answer to your question, right?

6 MR. SIEBERT: Correct.

7 CHAIRMAN KOTELCHUCK: Good. And
8 thank you for the question. I was beginning to
9 think about that as we came to the end. So we have
10 closed 343.1. 343.2?

11 MS. BRIGGS: Okay. Let's see, this is
12 a finding regarding some unmonitored internal
13 intakes. In our original finding, SC&A found that
14 the unmonitored internal intakes for zinc, iodine
15 and tritium were not from a reference quoted in the
16 DR report.

17 And let's see, I guess the report
18 referenced the Hanford coworker model which at the
19 time was OTIB-39. I think since then those
20 unmonitored doses have been rolled up into the TBD
21 instead of in a separate OTIB.

22 So NIOSH responded that the correct

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1 values were used from the TBD but the reference
2 should probably have been included for clarity.
3 But the document was referenced in other parts of
4 the report, just not pertaining to these particular
5 intakes.

6 So I guess, let's see. Yes. So yes,
7 we went back and checked and saw that the original
8 document was referenced, just not in regards to
9 these particular intakes. So we suggest closing.

10 MR. KATZ: So that sounds like an
11 observation now.

12 CHAIRMAN KOTELCHUCK: It does. So can
13 we change it to an observation?

14 MS. GOGLIOTTI: Yes. I'll note that
15 in the record.

16 CHAIRMAN KOTELCHUCK: Sure. Okay.
17 343.3?

18 MS. BRIGGS: Okay. Let's see, this
19 finding has to do with some information that was
20 discussed in the CATI report. So in the report,
21 this EE mentions that he was involved in an incident
22 and following the incident, there was a fecal test

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1 performed.

2 And we noted that the results of that
3 test were not in the record. This individual was
4 monitored for internal exposure and missed
5 internal exposure. And that was all included in
6 the dose reconstruction.

7 So it was probably unlikely that he
8 received some exposure that was not captured by the
9 monitoring. But we just wanted to mention that we
10 thought that the incident itself and the fact that
11 this test occurred should have been described, at
12 least in the incident section.

13 CHAIRMAN KOTELCHUCK: Why -- I missed,
14 could you repeat again? -- why you thought that this
15 did not have any bearing?

16 MS. BRIGGS: Well, there were
17 monitoring records, internal monitoring records in
18 the case file. There wasn't, the only thing is
19 there wasn't mention of this specific --

20 CHAIRMAN KOTELCHUCK: Fecal.

21 MS. BRIGGS: -- fecal test and also
22 there was no mention of the incident that this

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1 worker indicates occurred. So we just thought, in
2 fact he went on to say that, you know, he was sent
3 home and that he was advised to separate himself
4 from the family.

5 So it was enough of an incident for this
6 individual that he was concerned. And I guess it
7 just goes back to the idea that the incidents that
8 are mentioned should be mentioned in some of the
9 radiological incident sections of the DR reports.

10 CHAIRMAN KOTELCHUCK: Well, yes. I
11 guess as always, if we don't have information about
12 exposure, about a particular exposure, we can't do
13 anything with it. I'm not clear.

14 MS. BRIGGS: Yes, I guess, well, the
15 NIOSH response in our BRS was that they understand
16 that they can't really address an incident that
17 hasn't been documented, and they certainly can't
18 account for tests that they don't have records for.

19 And they also said that the current
20 guidance would address to all this information in
21 that CATI section of the report with more detail.
22 But we agree, you know, the potential dose in this

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1 incident really can't be assigned.

2 So we did, you know, recommend closing
3 simply because there was internal monitoring data
4 which you could argue could possibly could have
5 picked up on an exposure. So it's just more about
6 the details of describing a detail that the
7 individual was involved in an incident that was of
8 some significance to him.

9 CHAIRMAN KOTELCHUCK: Yes, yes.
10 There is a -- to the extent that he remembers being
11 sent home, being separated from the family -- it's
12 troubling, I must say.

13 MR. SIEBERT: Well, just one
14 clarification.

15 CHAIRMAN KOTELCHUCK: Yes.

16 (Simultaneous speaking.)

17 MR. SIEBERT: [The CATI] was with the
18 survivor, not the actual EE. So I understand that
19 they would remember the separation thing. But
20 whether there really was fecal sampling or not,
21 that may be more in question.

22 CHAIRMAN KOTELCHUCK: Right. Or the

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1 date at which something happened, if it happened
2 a while ago. One remembers this happened in the
3 past, but one may not remember what year it
4 happened, and so it may even be in the data.

5 That is of some relevance that the CATI
6 report is not with the individual who's the
7 claimant. Yes, okay. We're recommending
8 closure. That has to be. But the question is, is
9 this a finding or an observation?

10 MEMBER CLAWSON: This is Brad. I
11 would say this is just an observation.

12 CHAIRMAN KOTELCHUCK: Looks to me that
13 way, because the NIOSH didn't do anything wrong.
14 Data weren't lacking. And it was absolutely
15 proper and good that SC&A pointed out that there
16 was some concern about this. I'm glad they did.
17 But in the end, we have to go with what NIOSH did,
18 and what NIOSH did was correct with the data they
19 had. So I think it's an observation. And I agree
20 with you, Brad.

21 Do others have any feeling that we
22 should change it to an observation? Or maybe

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1 objections to changing it to an observation?

2 No objection. So this will be an
3 observation. Okay? But thanks, SC&A, for
4 pointing this out and for allowing this discussion
5 by the Subcommittee.

6 Okay, 344.1.

7 MS. BRIGGS: Okay. Let's see, this
8 also has to do with assignments of some unmonitored
9 external dose. Let's see, so this individual's
10 dosimeter was deactivated at the end of 1976, so
11 he was not assigned dose for that last quarter.

12 And in our original finding we said we
13 weren't sure why the dosimeter was deactivated and
14 what the individual's duties were at the time. And
15 interestingly, NIOSH actually did include
16 unmonitored internal dose for that last quarter of
17 1976. And we were just questioning if the external
18 dose should have also been included there as well.

19 And then NIOSH did clarify that the DOE
20 employment records and the CATI indicated that
21 actually he wasn't working during that time.
22 And they said, even though it appears a little

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1 inconsistent, the internal dose was actually
2 included not because of a possibility of exposure,
3 but because of just sort of the nature of the
4 workbook tool that they were using where it would
5 only calculate on an annual basis and not on a
6 quarterly basis.

7 So that's why there was some kind of
8 perceived inconsistency that there was internal
9 dose assigned at one time but not external.

10 CHAIRMAN KOTELCHUCK: Right.

11 MS. BRIGGS: And we agreed with their
12 decision not to include that for that last quarter
13 of '76, and that the assignment of internal dose
14 is really a part of a workbook function and not
15 because of a possibility of an exposure.

16 CHAIRMAN KOTELCHUCK: Right.

17 MS. BRIGGS: So we suggest closing it.

18 CHAIRMAN KOTELCHUCK: And it resulted
19 in an overestimate of the dose.

20 MS. BRIGGS: Yes.

21 CHAIRMAN KOTELCHUCK: Which is
22 claimant-favorable, for sure. Okay.

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1 MR. KATZ: I think this is another
2 observation then, right?

3 MEMBER CLAWSON: Yes. This is Brad. I
4 would say it is. I was interested to learn [it],
5 too.

6 CHAIRMAN KOTELCHUCK: Yes, it is.
7 Now, are the procedures such that this can be
8 collected? Or will it simply continue to do the
9 whole year, in which case it always will give an
10 overestimate.

11 MR. SIEBERT: I can address that. The
12 tool itself gives an annual dose. We can prorate
13 that, if we so desire, for a better estimate.
14 However, there is no reason to do that in this case
15 because the PoC was low enough that an overestimate
16 was acceptable.

17 CHAIRMAN KOTELCHUCK: Right, it
18 certainly is. And, in fact, if we know that it will
19 always give an overestimate, probably not a very
20 large one, but who knows in any given case.

21 So it sounds as if there's not an urgent
22 need to prorate it. And if it were close [to PoC

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1 = 50%], than one might. Okay. Close, folks?

2 MEMBER CLAWSON: Yes.

3 CHAIRMAN KOTELCHUCK: Okay. Go on to
4 344.2.

5 MS. BRIGGS: Okay, yes. Let's see.
6 This finding involves the assigned minimal
7 detectable level for an americium-241 chest count.

8 So, in the DR report it stated that
9 they used the MDA value for the year 1999, which
10 was listed in the TBD as 280 picocuries. But the
11 value used in the calculation, was 240 which was
12 actually the MDA for a different year, for 1986.
13 And obviously this would only result in a very small
14 change in the assigned dose.

15 NIOSH did respond that although the
16 published MDA for the 1998 MDA for americium was
17 about 280, when you go into the actual dose records
18 there is an MDA listed there, which is a very low
19 number of 86 picocuries.

20 So, actually, in that instance, using
21 that 86 picocuries would have been probably the
22 most appropriate thing to do, even though the

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1 assignment was slightly overestimated.

2 CHAIRMAN KOTELCHUCK: Yeah.

3 MS. BRIGGS: And so we agree that
4 although the published MDA is 280, since the actual
5 dose records list the MDA as 86 -- in the actual
6 dosimetry records as opposed to in the TBD -- the
7 assumptions are still claimant-favorable. So we
8 suggest closing.

9 CHAIRMAN KOTELCHUCK: Right. Sounds
10 appropriate. Objections, anyone? Comments?

11 Okay, we'll close, then.

12 MS. BRIGGS: Okay. Alright, let's
13 see. I'll move on to 344.3. Okay, right. This
14 is -- yeah, this one is a little confusing but I'm
15 going to keep it really brief.

16 It involved assignment of a missed dose
17 from exposure to recycled uranium in all of its
18 components. When we were going through the IMBA
19 files and the workbooks, we really just had trouble
20 tracing the intake and the dose calculations
21 through all the files. It was kind of a strange
22 thing.

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1 So we saw that the bioassay values that
2 were sitting in the IMBA input, but then they
3 weren't used to calculate the intakes and the doses
4 for all of the recycled uranium components.

5 And NIOSH did clarify that some of those
6 inputs were sort of left over from a previous
7 calculation where I guess the bioassay data was
8 used to then calculate the intake. But then the
9 intake from the recycled uranium components were
10 calculated later using a different tool, not that
11 same IMBA file.

12 So it led to some confusion in what they
13 referred to as an artifact of the IMBA program.
14 And that led to the confusion. And NIOSH did say
15 that -- so the correct intakes were in fact applied,
16 and they explained how to follow all the rest of
17 the calculations.

18 I should say that, as it turns out, all
19 the doses ended up being one millirem per year or
20 less, the annual doses, so they weren't included
21 in the dose reconstruction.

22 So we agree that the correct intakes

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1 were used to assess dose from the recycled uranium.
2 But there just was a couple of -- another layer of
3 confusion was that ordinarily we've seen that the
4 recycled uranium components are calculated using
5 a workbook called the Hanford Plutonium and
6 Recycled Uranium Mixed Rate Workbook. But it
7 turns out there was a different workbook used,
8 called DR Notes.

9 So I think, adding all those two things
10 together, we just had a tough time following all
11 of the calculations through the files.

12 CHAIRMAN KOTELCHUCK: Right.

13 MS. BRIGGS: They were in fact correct,
14 but we just honestly couldn't follow them through
15 all the files and this workbook that we didn't know
16 was in use. So we're going to suggest closing for
17 that.

18 CHAIRMAN KOTELCHUCK: Yes. And it
19 sounds like an awful lot of work for what I think
20 is correctly an observation now. Right? The
21 method was used. But I appreciate your going
22 through this with that care.

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1 MS. BEHLING: This is Kathy Behling.

2 CHAIRMAN KOTELCHUCK: Yes?

3 MS. BEHLING: Can I also ask Scott a
4 question? What is a DR Notes workbook? And to me,
5 this all still seems like a finding. But I'm not
6 sure what a DR Notes workbook is.

7 MR. SIEBERT: This is a -- it's just a
8 workbook that the dose reconstructor used to keep
9 track of the notes on how they were doing the case
10 so that the peer reviewer and further reviewers
11 could follow their thought process, if need be.

12 It's not a controlled document, it's
13 just additional documentation that they can have
14 in the file to explain their thought process and
15 to show comparisons and things like that.

16 MS. BEHLING: Okay. And I have seen DR
17 Notes before, not necessarily what I would consider
18 a workbook, but just notes indicating what they
19 did. However, you know, from our perspective,
20 this would still be something that we would
21 definitely want to question. And so, but whether
22 it's a finding or an observation, I think it was

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1 a legitimate question to be asked.

2 CHAIRMAN KOTELCHUCK: Oh, it was most
3 certainly legitimate. But it is an observation.
4 And I'm going to ask that it be listed as an
5 observation, unless I hear Subcommittee Members
6 object. [PAUSE] Okay, so be it.

7 MEMBER CLAWSON: Hey, this is Brad.
8 I'm not objecting in any way. I wanted to get --
9 well, I've got a question for Scott to follow on
10 to what Kathy was talking about.

11 CHAIRMAN KOTELCHUCK: Sure.

12 MEMBER CLAWSON: The DR notebook, does
13 this continue on with this case? Or I was just
14 wondering if when you guys get done with this if
15 this kind of disappears. Because I think this is
16 kind of something that we've been looking for, you
17 know, for when people look at these cases down the
18 road they'd understand their thought process on it.

19 MR. SIEBERT: This actually did go with
20 the case and was a file in for review.

21 MEMBER CLAWSON: Okay.

22 MR. SIEBERT: It was something that

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1 went along.

2 MEMBER CLAWSON: Okay, because I
3 believe, Scott, that we've been talking quite a bit
4 about this through the years. You know, better
5 documentation of the thought process and what we
6 were doing. I just want to make sure this
7 continued on with the case.

8 CHAIRMAN KOTELCHUCK: Okay. Good.

9 MS. BRIGGS: Okay. I guess I can
10 continue?

11 CHAIRMAN KOTELCHUCK: Yes, close it,
12 an observation. And we continue with 376.1.

13 MS. BRIGGS: Okay. Let's see, this
14 one has to do with assignment of unmonitored
15 intakes for plutonium and its associated
16 radionuclides.

17 When we were going through the values
18 we noticed that the plutonium-239 value was
19 slightly lower than the published intake value. And
20 at the time, we thought that NIOSH may have actually
21 separated the plutonium-240 from the -239. But
22 the coworker intake values of the TBD are labeled

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1 as -239 plus -240 rather than plutonium-alpha.

2 So NIOSH then did state that they
3 incorrectly assumed that the values were total
4 plutonium-alpha instead of -239 plus -240. So
5 they sort of extracted it out of -- pulled out the
6 -239 thinking it was plutonium-alpha as opposed to
7 it actually was -239 plus -240.

8 And so, you know, when we went back and
9 checked, and we agreed and checked that the head
10 files were corrected and just suggest closing.

11 As it turns out, for this one, NIOSH
12 themselves found a typo in the CAD workbook that
13 the year 1949 was used as the first year of intake
14 instead of the correct value of 1961. And they
15 made those corrections as well.

16 I think, when we went back to see that
17 correction, the files must have already been
18 corrected because we didn't see the mistake. But
19 either way, we suggest closing.

20 CHAIRMAN KOTELCHUCK: Right. So a lot
21 of years off.

22 MS. BRIGGS: Right.

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1 CHAIRMAN KOTELCHUCK: And that didn't
2 change the PoC much?

3 MS. BRIGGS: No.

4 CHAIRMAN KOTELCHUCK: Okay. Alright.
5 So this is certainly a finding, and recommend
6 closure. Sounds fairly straightforward to me as
7 a case to be closed and a finding to be closed. Any
8 thoughts, questions, from the Subcommittee
9 Members?

10 MR. SIEBERT: This is Scott. I'm
11 sorry, I just want to clarify for you since you were
12 asking why it didn't have much impact. It's a
13 prostate cancer, so that's why.

14 CHAIRMAN KOTELCHUCK: Ah, okay.
15 Right, thanks.

16 MR. SIEBERT: Sure.

17 CHAIRMAN KOTELCHUCK: Okay. Which is
18 not one of our 22 -- well, that's another matter.
19 The 22 that would go into an SEC, right?

20 MR. SIEBERT: Correct, it is not.

21 CHAIRMAN KOTELCHUCK: Yeah, yeah.
22 Okay. Anyhow, so I think it stands closed. I did

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1 not hear any objections or concerns. Good.
2 Close. And 376.2.

3 MS. BRIGGS: Okay, yeah, buzzing
4 along. Let's see. Oh, for this finding the EE had
5 positive whole body count results for sodium-24 and
6 zinc-65, but the doses weren't included in the dose
7 reconstruction.

8 But NIOSH clarified and said that the
9 calculations were done for these exposures and they
10 were all less than 1 millirem per year. So they
11 weren't included, but that they should have
12 included the IMBA files in the file just to show
13 that the calculations were performed and that the
14 exposures were addressed. And so we suggest
15 closing.

16 CHAIRMAN KOTELCHUCK: Right. I do
17 believe that would be an observation if those were
18 used. And I can understand why it was not clear
19 that they had been used. Alright?

20 MS. BRIGGS: Mm-hm.

21 CHAIRMAN KOTELCHUCK: Okay. So it's
22 an observation, recommend closure. Thoughts?

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1 MS. GOGLIOTTI: I'm sorry, but in the
2 dose reconstruction report they didn't mention it,
3 and they didn't include the IMBA files. So, from
4 our perspective, we don't know that it was
5 considered until they told us that.

6 CHAIRMAN KOTELCHUCK: Oh, that's
7 correct. That's correct. But in the end, it was
8 done, and because it was less than 1 millirem it
9 was not included, as was customary. But that's the
10 calculation itself, not the recording of it. The
11 recording was not complete as it should have been.
12 But that, to me, would still make it an observation.

13 MR. KATZ: Right. Right, that's
14 consistent with other, many other cases.

15 CHAIRMAN KOTELCHUCK: Yeah. So it
16 will be closed as a -- and will be an observation.
17 But the fact that we maybe are having less findings
18 than we might have thought at first, I'm very happy
19 that SC&A and NIOSH are agreeing and suggests a
20 maturity of approach such that fewer errors are
21 found that will result in findings.

22 On the other hand, all of these

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1 observations are important and the work that goes
2 into them are worthy of the attention of the
3 Committee, of the Subcommittee.

4 And so please keep on giving these
5 observations. That's an important part of your
6 work [SC&A], and appreciated, at least by this
7 Board Member. Okay, closed.

8

9 MS. BRIGGS: Okay. Alright, so I'll
10 move along to -- now we're into Tab 378. And let
11 me see. You'll have to excuse me.

12 CHAIRMAN KOTELCHUCK: Sure.

13 MS. BRIGGS: My computer timed out so
14 I have to get back in. I just want to see, does
15 it start with Observation 1?

16 MS. GOGLIOTTI: Yes.

17 MS. BRIGGS: It does? Okay. Let's
18 see. Oh yes, so this is an observation -- I guess
19 it's something that's been discussed before and
20 just required a little presentation. So we'll go
21 over it quickly. It has to do with just the
22 language involved in some of the reports regarding

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1 if the EE is qualified for the SEC.

2 So the DR report says that the
3 individual did not qualify for the SEC, but he did
4 appear to meet the criteria for the SEC. And later
5 NIOSH clarified that although it's only one of this
6 individuals cancers that met the criteria, two of
7 them did not. So the DR was performed to determine
8 if the individual will qualify for medical benefits
9 for those other cancers that are outside of the SEC.

10 CHAIRMAN KOTELCHUCK: Okay.

11 MS. BRIGGS: So there was just some
12 confusion in the language. And I know that,
13 obviously this Tab 378 was done many years ago --
14 not many, a few years ago. So I know that those
15 -- I think that the DR reports have changed their
16 language.

17 I think at the time it was confusing
18 because it makes it seem like the individual
19 wouldn't qualify. But they do qualify for at least
20 one of their cancers.

21 CHAIRMAN KOTELCHUCK: Right. And if
22 they qualify for one, then they qualify for an SEC.

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1 MS. BRIGGS: Right, right.

2 CHAIRMAN KOTELCHUCK: Yes. Well,
3 sounds like proper procedures were followed.

4 MS. BRIGGS: Yes. Yeah, we just kept
5 that as an observation at the time.

6 CHAIRMAN KOTELCHUCK: Right, right.
7 Okay, does anybody have comment or have anything
8 that they wish to say about this?

9 I know we are moving along very rapidly,
10 but as long as we are spending the time and the
11 attention that each case deserves -- and we are --
12 then I'm very happy to see us settling all these
13 issues as quickly as we have. Okay.

14 MS. BRIGGS: Alright, I'll keep moving
15 along.

16 CHAIRMAN KOTELCHUCK: Yes.

17 MS. BRIGGS: Let's see, this is 378.1.
18 Yes, this is also an interesting one involving
19 information that the individual provided in a CATI
20 interview.

21 In the interview he said that, I guess
22 he testified the year, 1954, he got a rash all over

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1 his exposed skin while he was in the PUREX facility.
2 And he was actually taken to the hospital for
3 observation and was there for five days. And he
4 did have a urinalysis test that was performed
5 following the incident.

6 Now, there is no documentation of this
7 incident in the records. And there was one
8 urinalysis record in the file, from 1957, but that
9 was three years after the actual incident.

10 We just, you know, at the time we put
11 this in as a finding because we weren't sure if the
12 assigned doses were enough to account for that
13 potential exposure from that incident.

14 Let's see. And NIOSH did agree, in our
15 BRS exchange, that some of the wording in the DR
16 report may have been misleading since it says that
17 the assigned internal doses would account for any
18 possible uptake from the incident. But since
19 there are no records of the incident, and, you know,
20 he wasn't tested until three years later, it's
21 really not possible to give an assessment of what
22 potentially could have happened.

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1 This is similar to, I think, a finding
2 we had talked about before. There were no records
3 of an incident, so how are we supposed to
4 reconstruct it?

5 CHAIRMAN KOTELCHUCK: Right.

6 MS. BRIGGS: As it turns out, right
7 now, this EE now qualifies for the SEC. And more
8 so in some of the records, it seems that they
9 weren't really certain if that rash was a result
10 of a radiological exposure. I guess it could have
11 potentially been a chemical exposure.

12 But this individual did say that, at the
13 time, he contacted the hospital to see if he could
14 obtain the records. I'm sure that's not a problem
15 anymore since he qualifies for the SEC.

16 CHAIRMAN KOTELCHUCK: Right.

17 MS. BRIGGS: But SC&A does agree that
18 the dose from this incident really couldn't be
19 assessed because there are no records. And we
20 suggest closing.

21 CHAIRMAN KOTELCHUCK: Right. And yes
22 -- now let me get it right -- we can't tell that

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1 it was radiation-related. So what is this? Maybe
2 I'm slowing down. What is this? Is this not an
3 observation?

4 MEMBER CLAWSON: This is Brad. This
5 would just be an observation, in my eyes.

6 CHAIRMAN KOTELCHUCK: Yeah. And I
7 understand, from the earlier discussion, that
8 NIOSH is not going to go looking for hospital
9 records. And it's not appropriate that they do so,
10 even in this case, because -- I guess it might have
11 -- if there was a question as to whether the
12 hospital could be able to diagnose the rash as
13 radiation-related, the records would be of some
14 importance.

15 MEMBER CLAWSON: The thing is, Dave, if
16 this is a rash, we don't even know what kind of a
17 rash it was. We don't know where it was at. And
18 I guarantee, looking at Hanford, if somebody left
19 that site there with a rash going to the hospital,
20 and even if they weren't home from that and they
21 were figuring that it was work-related, there would
22 be some documentation on it probably.

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1 CHAIRMAN KOTELCHUCK: Yeah, yeah.

2 MEMBER CLAWSON: Especially if it was
3 five days.

4 CHAIRMAN KOTELCHUCK: Good point.

5 MR. SIEBERT: Well, this is Scott.
6 Just to be clear, there is documentation. There
7 are hospital records in the DOL file, which is what
8 was reviewed. There's just no indication it has
9 anything to do with radioactive materials.

10 CHAIRMAN KOTELCHUCK: Right.

11 MS. BRIGGS: Right.

12 MEMBER CLAWSON: So you have pulled the
13 string on it. You've done what we've asked by
14 looking at the CATI report closer. And we have
15 found that there's nothing to tie it back, so I
16 still think it's just an observation, nothing else.

17 CHAIRMAN KOTELCHUCK: And I agree.
18 Although let's not say just an observation. It is
19 an observation.

20 MEMBER CLAWSON: Sorry, my terminology
21 --

22 CHAIRMAN KOTELCHUCK: Oh, that's okay.

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1 I'm not criticizing you at all. I'm just -- I want
2 to stimulate SC&A to continue making observations
3 and following through because --

4 MEMBER CLAWSON: No, I give credit to
5 both sides on this, because we have been on NIOSH
6 and Scott and all these guys about following up on
7 the CATI reviews and everything.

8 CHAIRMAN KOTELCHUCK: Right.

9 MEMBER CLAWSON: I think it's -- I'm
10 very pleased with what I'm seeing from both sides.

11 CHAIRMAN KOTELCHUCK: I am, too. I
12 am, too. So we have an observation. Unless I hear
13 any comments or other objections, we will close it.

14 Hearing none, we'll go on. 379. Are
15 there some observations?

16 MS. GOGLIOTTI: 379 does not have any
17 observations.

18 CHAIRMAN KOTELCHUCK: No, and has no
19 findings. Okay, fine. Full agreement. 380.1.

20 MS. BRIGGS: Okay. Let's see, this
21 finding involves the assignment of missed photon
22 dose. So we saw that only one zero reading was

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1 assigned for each year, but some of the guidance
2 in the TBD suggest that monitoring occurred either
3 monthly or quarterly.

4 I remember at the time, this is, you
5 know, a few years ago, we started seeing that some
6 individuals were actually monitored, you know,
7 wore a daily badge, but they didn't have their badge
8 exchange until only once a year.

9 So that became sort of an option. So
10 NIOSH responded by saying that since this claimant
11 was not a radiological worker, and in some cases
12 was assigned visitor badges, a lot of the non-rad
13 workers were often on an annual badge exchange.

14 So, like I said, since this individual
15 did wear a badge daily, he could have been on an
16 annual exchange schedule and not necessarily a
17 monthly or a quarterly. So we suggested closing.

18 CHAIRMAN KOTELCHUCK: Okay. Okay.
19 Again, observation, is it not?

20 MEMBER CLAWSON: Yeah, it says it right
21 there, Observation 1.

22 MS. BRIGGS: Now, is this the -- oh, I'm

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1 sorry. No, this one --

2 MEMBER CLAWSON: This one was
3 designated as --

4 MS. BRIGGS: This one is a finding.
5 Yes, this was a finding.

6 MEMBER CLAWSON: Oh, okay.

7 CHAIRMAN KOTELCHUCK: Yes, it is, 380.1.
8 But we will change it to an observation, unless
9 there's concern or issue, and then close it.
10 Closure with a change to an observation. Okay.

11 MS. BRIGGS: Okay. Alright, so we'll
12 get to move on to Tab 381. And I think that the
13 first one is an observation. Again, here's that
14 same issue again regarding SEC eligibility.

15 So, you know, in a small period of time
16 we had noticed the same kinds of things, but they
17 could be resolved. So I guess this is very similar
18 to the previous observation we discussed.

19 CHAIRMAN KOTELCHUCK: It is.

20 MS. BRIGGS: So I guess, you know, we
21 can --

22 CHAIRMAN KOTELCHUCK: Well, I think we

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1 can dispense with it quickly and appropriately
2 because it's the same issue.

3 MS. BRIGGS: Mm-hm.

4 CHAIRMAN KOTELCHUCK: And it's an
5 observation as you said. Okay. So unless I hear
6 further, this is an observation and our
7 discussion's finished with closure on it. [PAUSE]

8 Alright, 381.1.

9 MS. BRIGGS: Yes, okay. Let's see.
10 This is involving Hanford's assignment of skin
11 doses and OTIB-17. So I'm not sure if this issue
12 was raised before.

13 So this case involves a skin cancer, so
14 external dose was applied here using OTIB-17.
15 Now, in the early years at Hanford, the
16 documentation says that the dosimeter
17 over-responded to low energy photons.

18 So in order to correct for this, the
19 procedures recommend applying a correction factor
20 of 0.6 for doses that were measured before 1957.
21 And we found that the Hanford workbook actually
22 applies that correction factor through 1972, which

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1 actually results in a decrease to the assigned
2 dose.

3 Now, it won't necessarily affect this
4 case, let's see, because this individual was
5 compensated. But it's extended through the
6 workbook. And NIOSH said that they agreed and
7 corrected the workbook.

8 And we just went ahead and checked the
9 revised workbook and saw that the dosimeter
10 over-response factors for low energy photons were
11 included only to 1957. So we suggest closing.

12 CHAIRMAN KOTELCHUCK: Okay. And
13 good. This is an observation.

14 MEMBER BEACH: Well, I mean, it did
15 require a correction to the work --

16 MR. KATZ: No, that's a finding.

17 MEMBER BEACH: Yes.

18 CHAIRMAN KOTELCHUCK: That's a
19 finding, yes. Did I say observation? I'm sorry,
20 I meant finding. Okay. Fine. Any concerns or
21 objections? We'll go on, close.

22 MS. BRIGGS: Okay. Oh, and the

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1 second, that second finding in that list, 381.2,
2 this is because, you know, in our DR reports, we
3 separate the recorded doses from the missed doses.

4 CHAIRMAN KOTELCHUCK: Right.

5 MS. BRIGGS: And so the same issue
6 would apply to missed photon dose. So it's the
7 exact same finding.

8 CHAIRMAN KOTELCHUCK: Right, and we've
9 done this before earlier. Right. Good, okay.
10 So this should be closed. Again, unless I hear
11 word. [PAUSE]

12 Okay, closed.

13 MS. BRIGGS: Okay, let's see. Moving
14 along.

15 CHAIRMAN KOTELCHUCK: We are moving
16 along rapidly, yes.

17 MS. BRIGGS: Right? Yeah.

18 CHAIRMAN KOTELCHUCK: Well, it's
19 unusual, but we're starting following the old
20 report and I've heard something about a long
21 journey begins with a single step. So we've got
22 a long journey ahead of us, folks. There are a lot

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1 of cases that we have to cover in our reviews.

2 MS. BRIGGS: Right.

3 MR. SIEBERT: And this is Scott. To
4 tell you the truth, a lot of this helps us on our
5 side, because this is one of the ones where SC&A
6 had put out the trial balloon on the new way to do
7 things where they look at the two different levels
8 of whether they're relatively straight-forward
9 findings or more in-depth findings.

10 And that really helped us get into
11 which ones, on our side, really needed a lot more
12 of our attention on answering the question. So I
13 just wanted to put that in your ear, that it was
14 very helpful to us.

15 CHAIRMAN KOTELCHUCK: Very good, very
16 good. And --

17 MS. GOGLIOTTI: And we would love to
18 continue doing that if the Board will approve us
19 going forward with that.

20 CHAIRMAN KOTELCHUCK: That's right.
21 You know, I wondered, I do not remember precisely
22 how the Board disposed of it. Certainly, the issue

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1 got mentioned.

2 And I looked up last night to see if the
3 transcript was out, to see if I might look over the
4 transcript for today's meeting, because, I mean,
5 I think we're in the process of accepting it.

6 MR. KATZ: Dave, this is Ted. The Board
7 did not accept it. The Board did not sort of
8 conclude on that. So I think that's still at the
9 Methods. But there's nothing to say that for --
10 which is very interesting and great to hear -- from
11 sort of ORAU's perspective, if this is useful to
12 ORAU, irrespective of whether the Subcommittee
13 actually acts differently at this point, there's
14 no reason why ORAU can't -- if SC&A is willing to
15 do this categorization and it's helpful for
16 speeding things along and DCAS's sort of response,
17 then that seems great.

18 CHAIRMAN KOTELCHUCK: Well, okay, I'll
19 be a little more conservative and just say that the
20 Board hasn't approved it. So, I'm not monitoring
21 internal communications. I encourage them.

22 (Laughter.)

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1 MR. KATZ: That's not a problem. I
2 mean, absolutely it can make these notations or
3 categorizations.

4 CHAIRMAN KOTELCHUCK: Yes. I believe
5 the Board will in the end accept this modification,
6 as our Subcommittee did. And the process is going
7 on. So I'm glad to hear that. I'm glad to hear
8 that this procedure is helpful.

9 Let's go on to 382.1.

10 MS. BRIGGS: Yes, sure. Yes, and I
11 agree. Well, the BRS is just so helpful. You
12 know, we're sort of having a constant exchange that
13 we can follow along as we're generating, you know,
14 findings and what not.

15 CHAIRMAN KOTELCHUCK: Right.

16 MS. BRIGGS: And then it's all laid
17 out. So I think the exchange makes this process
18 a lot easier.

19 CHAIRMAN KOTELCHUCK: Right, it does.
20 Good. 382.1, and we're not terribly -- well, we're
21 half an hour away from a break, folks. But let's
22 do 382.1.

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1 MS. BRIGGS: Okay. Yeah, if I can keep
2 moving along, I may be able to be finished by then.

3 CHAIRMAN KOTELCHUCK: Right. Okay,
4 fine.

5 MS. BRIGGS: Now, this one, let's see,
6 382.1. I've got to say, this is that SEC
7 eligibility issue. And I'll say right now, I think
8 this was originally listed as a finding, but the
9 other issues that were similar to this were listed
10 as observations. You know, this is that wording
11 regarding the SEC.

12 CHAIRMAN KOTELCHUCK: Yeah.

13 MS. BRIGGS: So I think we can just
14 close it and drop it, right?

15 CHAIRMAN KOTELCHUCK: Right.

16 MS. BRIGGS: And then just drop it into
17 an observation?

18 CHAIRMAN KOTELCHUCK: Correct.

19 MS. BRIGGS: That's fair?

20 CHAIRMAN KOTELCHUCK: And that is
21 fair. And it is the same issue, so we can close
22 it.

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1 MS. BRIGGS: Correct. Okay. Let me
2 see what this one is. Alright. I guess this is
3 another similar issue regarding monitoring
4 schedules, 382.2.

5 Okay, so let's see. So this individual
6 had a varying dosimeter exchange schedule
7 throughout the employment. So for several years
8 the record showed -- oh, I remember -- an external
9 monitoring sheet, but there was no indication of
10 the exchange schedule. So NIOSH assigned missed
11 dose assuming an annual dosimeter exchange, you
12 know, one zero per year.

13 Let's see, but we put this in as a
14 finding. I think at the time it wasn't clear if
15 the badge cycle was always recorded. And we
16 thought it would be claimant-favorable to assume
17 a quarterly or a monthly exchange.

18 CHAIRMAN KOTELCHUCK: Okay.

19 MS. BRIGGS: This is one NIOSH provided
20 a very helpful expanded response to the finding.
21 So since this EE generally worked in administrative
22 offices and not in a radiation area, this

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1 individual may not have been continuously
2 monitored. And in this case, an annual dosimeter
3 exchange would be appropriate.

4 And NIOSH also explained that, by the
5 1950s, the dosimeter program at Hanford was
6 well-established and it was unlikely that the EE
7 would have been in a radiation control area without
8 being monitored.

9 But we said that -- we agreed that the
10 EE was not always in a rad area and then would not
11 have required continuous monitoring. But since the
12 records were blank, we said it was kind of a call
13 as to how to assign the missed dose.

14 In fact, we shuffled this case around
15 a little bit. And some of our members said, well,
16 if it was our team we would have assigned. Let's
17 say we did what we're doing blind: we probably would
18 have assigned that that additional dose.

19 Now, it wouldn't have had a big impact
20 on the case, but it was one of those situations
21 where you say, well, we know we've got these blank
22 records, but maybe it would be claimant-favorable

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1 to do maybe a slight overestimate or assume that
2 maybe there was a monitoring period where maybe
3 they weren't monitored.

4 So, given that, there was a little bit
5 of back and forth, and we suggested the closing.

6 CHAIRMAN KOTELCHUCK: Yes. And so the
7 calculation was done. So it should have been
8 annual but the calculation was done quarterly or
9 monthly?

10 MS. BRIGGS: Well, for some of the
11 records that were blank, they assigned an annual
12 exchange as opposed to another kind, say, a
13 quarterly or a monthly.

14 CHAIRMAN KOTELCHUCK: Yeah, yeah.
15 And then that was appropriate for --

16 MS. BRIGGS: Right. We had said,
17 well, it certainly was -- yeah, it certainly wasn't
18 incorrect.

19 CHAIRMAN KOTELCHUCK: Right, right.
20 And the person was not a radiation worker.

21 MS. BRIGGS: Right.

22 CHAIRMAN KOTELCHUCK: Or was not an

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1 operator. I mean, I guess a secretary in a
2 facility, or an administrative person in a
3 facility, let's not say they were not a radiation
4 worker. They were exposed to radiation while
5 doing work that was not central to the radiation
6 processes.

7 MS. BRIGGS: Right. We try not to go
8 by the job title, per se, because you may end up
9 in a situation where an individual was labeled,
10 say, as a secretary. But they were working in the
11 possibility of having radiological areas.

12 CHAIRMAN KOTELCHUCK: Absolutely.
13 They're out on the floor often.

14 So, what do folks recommend calling
15 this? We certainly are ready to close it. And I
16 think this may be considered an observation, since
17 that -- other folks, help me. What would you like
18 -- what do you think we should call it?

19 MEMBER CLAWSON: This is Brad. I
20 think this is just an observation.

21 CHAIRMAN KOTELCHUCK: Mm-hm. Others?
22 It does seem to me this is -- we could move either

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1 way. By the way, the fourth line from the bottom,
2 Rose, there's a typo. "SC&A sees this as a as
3 judgment."

4 MS. GOGLIOTTI: We can get that
5 corrected.

6 CHAIRMAN KOTELCHUCK: Oh, yes, I'm
7 sure you will. Thanks, just pointing it out. But
8 anyway, observation, folks?

9 MR. KATZ: This is Ted. I just think,
10 I think that is -- it's either an observation or
11 -- there's no defect in the dose reconstruction,
12 so it's either a finding that's not right or it's
13 an observation.

14 CHAIRMAN KOTELCHUCK: Yeah, which
15 suggests observation. Others?

16 MEMBER MUNN: This is Wanda. I just
17 remind you, you're not getting any information from
18 Josie or from me because we're not allowed to
19 comment on this.

20 CHAIRMAN KOTELCHUCK: Oh, thank you.
21 You know, thank you for reminding me.

22 MEMBER MUNN: If you thought perhaps we

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1 were absent --

2 CHAIRMAN KOTELCHUCK: Well, as a
3 matter of fact, it reminds me that, when we're
4 sitting in a meeting, it's clear when someone is
5 not participating. Yes. So thank you for
6 reminding me of that, because actually I did forget
7 it. We're going through lots. And so it will be
8 an observation, folks.

9 MS. GOGLIOTTI: Okay. Scott, I also
10 noticed here that it says there's an attachment
11 that isn't actually attached. And I believe we've
12 seen that at one point in time. But if staff could
13 just go in and attach that for a complete record,
14 that would be great.

15 MR. SIEBERT: Yeah, I'll look at that.
16 I'm shocked that it's not in the BRS, but I'll take
17 care of that for you.

18 CHAIRMAN KOTELCHUCK: Okay, 417.1.

19 MS. BRIGGS: Okay. Let's see, this has
20 to do with an internal dose workbook. And for this
21 case, the internal dose was calculated using
22 hypothetical intakes that were derived from air

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1 concentrations from OTIB-18. And so there's the
2 -- I think it's the OTIB-18 workbook.

3 And in that workbook, it listed the air
4 concentration values in units of microcuries per
5 milliliter under the column for daily intakes in
6 units of picocuries. So we were just concerned
7 about that.

8 But NIOSH explained that the doses were
9 actually calculated correctly. It's not that they
10 were using the air concentrations as intakes.
11 It's just that, behind the workbook, the workbook
12 itself converts the air concentrations to daily
13 intakes. So it's really essentially a column
14 that's been mislabeled.

15 So the output results are correct, but
16 it's very confusing to look at. So that was the
17 crux of that. So we suggest closing.

18 CHAIRMAN KOTELCHUCK: Right. And I
19 think that's fairly clearly an observation. And
20 it should be closed. Again, I will wait one
21 second, and if I hear anything. David, you're on
22 the line too but you're --

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1 MEMBER CLAWSON: I'm good with this.

2 This is Brad.

3 CHAIRMAN KOTELCHUCK: Yeah, okay.

4 Let's close it as an observation.

5 427.1.

6 MS. BRIGGS: Okay. Yeah, I've only
7 got about two left. Let's see, again, we can get
8 through this one quickly. This is that same issue,
9 I think it was the very first one I discussed, was
10 that --

11 CHAIRMAN KOTELCHUCK: Oh, yes, the ROT
12 geometry.

13 MS. BRIGGS: Yes. And the other one.
14 So in this case the workbook had been corrected,
15 so we can close it.

16 CHAIRMAN KOTELCHUCK: Okay. So be it.
17 And stay with me one sec. This was closed as an
18 observation, was it not? No, it would have been
19 --

20 MR. KATZ: No, that would have been a
21 finding if it affected the workbook.

22 CHAIRMAN KOTELCHUCK: Yeah, yeah.

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1 Mm-hm. So we're saying this is -- I'm slowing
2 down. This is an -- the ROT geometry that we used
3 before, that was a finding?

4 MS. GOGLIOTTI: Yes.

5 CHAIRMAN KOTELCHUCK: Yeah, yeah.
6 Okay.

7 MR. KATZ: That's right.

8 CHAIRMAN KOTELCHUCK: Yeah, yeah.
9 Okay. I think I need a break soon, too. So let's
10 keep going.

11 MR. KATZ: Well, it sounds like we only
12 have one more case --

13 CHAIRMAN KOTELCHUCK: That's right,
14 and then maybe we'll take a break.

15 MS. BRIGGS: Right. It's also -- and
16 I thought this was actually the most interesting
17 one. So this has to do with the assignment of
18 occupational medical dose.

19 So, let's see. So NIOSH didn't assign
20 any occupational medical dose for this case because
21 they did not find any X-ray exams that were
22 appropriate for consideration.

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1 Now, we did find one pre-employment PFG
2 exam that was taken in 1948 that may have been
3 included. But this is a -- I think it's an example
4 of a bigger issue, even though it was only one exam.

5 So the X-ray document was stamped
6 "Hanford work." That's all it said on the
7 document. And with no indication that the exam was
8 performed offsite.

9 Now, I know that's been sort of a topic
10 of discussion, and I know it's been determined also
11 at the level of the statute that offsite exams are
12 not included in the dose reconstructions.

13 But two things. One, this one seemed
14 to be, at the time where we looked at it, seemed
15 very straightforward, where it was stamped
16 "Hanford work" and seemed that that would have
17 qualified.

18 But there did result in a very
19 interesting discussion, I thought, with ORAU
20 people on the BRS. So NIOSH did say, well, all
21 X-ray exams that were taken at Hanford in the early
22 years, from 1944 to 1956, were performed offsite

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1 at this Kadlec Hospital in Richland.

2 And the OTIB-79 describes which
3 occupational medical exams were performed onsite
4 or offsite, and therefore which exams should be
5 included as part of the occupational medical dose
6 assigns in the dose reconstruction.

7 What I thought was interesting is NIOSH
8 said they went through the records, and it does
9 appear that the records could have been labeled
10 Hanford Works but those exams were actually
11 performed at the hospital. And this I would like
12 to hear a little more about.

13 Then later on in our exchange, NIOSH
14 said that they actually have undergone some
15 discussions with DOE to actually include Kadlec
16 Hospital as a covered facility for these medical
17 exams.

18 I guess the idea is that this is the only
19 place that those occupational exposures that were
20 a requirement for employment were being performed
21 at a hospital, then you could argue that should be
22 included.

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1 Again, we understand that this was a
2 decision made on the level of statute. But I'm
3 just interested to hear more about this discussion.
4 And I guess in the DR exchange, NIOSH indicated that
5 if any of those changes do occur, about whether or
6 not this hospital will be considered an onsite
7 facility, then OTIB-79 will be updated.

8 So because of that, we recommended
9 closing, but honestly I just wanted to hear more
10 about the discussion because we had been, you know,
11 talking about this similar issue about what x-ray
12 exams are covered and offsite even though they were
13 still requirements for employment. So yes, that
14 --

15 CHAIRMAN KOTELCHUCK: Yes. Maybe
16 someone on the line can tell us a little more about
17 --

18 MR. HINNEFELD: This is Stu. I can
19 offer some things on it. I can't offer much on this
20 but I can offer some things on this.

21 CHAIRMAN KOTELCHUCK: Good, thank you.

22 MR. HINNEFELD: Yes, we received some

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1 fairly definitive information from the Department
2 of Energy that Kadlec Hospital is actually owned
3 by the Department of Energy until September of
4 1956. They transferred the ownership to the City
5 of Richland or some other entity in September of
6 1956. And so as a point, as a matter of fact, it
7 turns out that x-rays taken at Kadlec Hospital up
8 until September of 1956 were taken at a DOE
9 facility.

10 So we have recently amended our OTIB-79
11 to reflect that. And we will, but that was just
12 done so we will be engaging in a PER to evaluate
13 the impact of that change on claims.

14 CHAIRMAN KOTELCHUCK: Very good.
15 That's good, hard information. And I'm glad to
16 hear it. So there will be a PER coming?

17 MR. HINNEFELD: Yes. Actually there
18 were a couple of other sites where it changed as
19 well. I don't remember which ones those are. But
20 it will be essentially an OTIB-79 PER where we'll
21 look at the impact of that OTIB-79 change.

22 CHAIRMAN KOTELCHUCK: Right. Well,

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1 okay. That truly settles the matter. I don't
2 think this is a finding. I think this is an
3 observation. Right, okay.

4 MS. GOGLIOTTI: But this x-ray is now
5 going to be included, it sounds like.

6 CHAIRMAN KOTELCHUCK: Yes.

7 MR. KATZ: Yes, it is, but it's because
8 a facility is being added, not because anything was
9 done incorrectly.

10 CHAIRMAN KOTELCHUCK: Right, that's
11 correct. The rule was clear that they should not
12 include those until -- and it's now changed, the
13 rule. The facility is now part of our covered
14 facility.

15 Where are we? I'm not sure. The next
16 one, Hanford SRS RFP?

17 MS. GOGLIOTTI: That one is actually
18 closed. We have gotten back to the SRS ones.

19 CHAIRMAN KOTELCHUCK: Oh, yes.

20 MS. GOGLIOTTI: Kathy, I know I
21 recently sent you that email. Did you have a
22 chance to look at that?

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1 MS. BRIGGS: Excuse me, yes I did. I
2 sent it to your CDC email.

3 CHAIRMAN KOTELCHUCK: Right, okay.
4 So we have finished Hanford, yes?

5 MS. GOGLIOTTI: Yes.

6 MR. KATZ: Do you want to take a comfort
7 break, perhaps?

8 CHAIRMAN KOTELCHUCK: Pardon?

9 MR. KATZ: Do you want to take a comfort
10 break, perhaps?

11 CHAIRMAN KOTELCHUCK: Yes, I think
12 this is a nice time to do it. That's my feeling.
13 So folks, it's a little after 3:00. Let's get
14 together at 3:15. And where will we be going?
15 Which facility will be --

16 MS. GOGLIOTTI: Well, we'll just move
17 right along here in the matrix if it's okay with
18 everyone.

19 CHAIRMAN KOTELCHUCK: Sure.

20 **FERNALD, MOUND AND RFP**

21 MS. GOGLIOTTI: I believe the next one
22 is Fernald and Mound and RFP.

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1 CHAIRMAN KOTELCHUCK: Got it. Very
2 good, thank you. See you at 3:15, folks. Thank
3 you.

4 (Whereupon, the above-entitled matter
5 went off the record at 3:04 p.m. and resumed at 3:16
6 p.m.)

7 MR. KATZ: So I think we can roll, Dave.

8 CHAIRMAN KOTELCHUCK: Yes, we can.
9 Did we have one of the, what was it? Did we have
10 one that we had left over this morning that we were
11 going to go back to? It was --

12 MS. GOGLIOTTI: There is one SRS
13 finding. I wasn't aware that NIOSH responded to
14 it, because it came late last week.

15 CHAIRMAN KOTELCHUCK: Right.

16 MS. GOGLIOTTI: So we didn't have a
17 chance to look at it. I pulled up the response,
18 and it's fairly lengthy. So, if it's alright with
19 you, I think we would prefer to wait to address
20 that.

21 CHAIRMAN KOTELCHUCK: Absolutely.
22 So, we're waiting on SRS 356?

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1 MS. GOGLIOTTI: The number is --

2 MR. SIEBERT: Yes, 356.6, correct.

3 CHAIRMAN KOTELCHUCK: Okay, yes. Oh,
4 sure. That's fine. We're going to meet again and
5 hold them --

6 MR. SIEBERT: I'm sorry. And just to
7 let you know, since we're still talking about the
8 Savannah River --

9 CHAIRMAN KOTELCHUCK: Sure.

10 MR. SIEBERT: I did get that attachment
11 for 382.2. It's uploaded in the BRS for Rose and
12 Nicole. So that's all done.

13 CHAIRMAN KOTELCHUCK: Good. Good.
14 Okay, folks. So, where do we go now?

15 MS. GOGLIOTTI: We're going to move on
16 to the next matrix --

17 CHAIRMAN KOTELCHUCK: Okay.

18 MS. GOGLIOTTI: -- if that's alright
19 with everyone.

20 CHAIRMAN KOTELCHUCK: Of course.

21 MS. GOGLIOTTI: So --

22 CHAIRMAN KOTELCHUCK: No. I don't

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1 understand, there's a few that say Hanford SRS RFP.

2 MS. GOGLIOTTI: We did already cover
3 those cases. Those particular cases just had
4 multiple employment sites. So we have to pick a
5 single --

6 CHAIRMAN KOTELCHUCK: A-ha. I see.
7 Okay. Yes, okay. That's -- and we've taken care
8 of those. So, we begin on now SRS 356.

9 MS. GOGLIOTTI: We actually have
10 completed the SRS, except for that one that we just
11 discussed, that we're going to come back to at the
12 next meeting.

13 CHAIRMAN KOTELCHUCK: Right. Okay.
14 I thought, I must have, my notes were off. I'm
15 sorry.

16 MR. KATZ: So 373, pull that.

17 MEMBER CLAWSON: This is Fernald,
18 right?

19 MS. GOGLIOTTI: Correct.

20 MEMBER CLAWSON: Okay.

21 MR. FARVER: Okay, this is Doug. Are
22 we ready?

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1 CHAIRMAN KOTELCHUCK: Yes.

2 MR. FARVER: Okay. To start 373,
3 Observation 1, there was a date for one of the
4 cancers that was different between two different
5 DOL documents. So we wrote it up as an observation
6 saying, gee, we're looking at this document, but
7 this date doesn't match the dates that are in the
8 DR report.

9 And, oh, okay. We have NIOSH's
10 response down there. And it seems that there were
11 a couple of different DOL reports that were
12 updated, but that NOCTS did not update correctly.
13 So, it did not update the, it did not include the
14 correct dates for a couple of the cancers. It did
15 not update them.

16 But as it turns out, it's not going to
17 have a big impact on anything, because it's only
18 going to be off by probably a couple of months. So
19 there's no impact, no overall impact on the case.
20 But it was just a problem where NOCTS did not update
21 the dates correctly. So we wrote it up as an
22 observation.

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1 CHAIRMAN KOTELCHUCK: Okay. Alright.

2 MEMBER RICHARDSON: Is it, this is
3 David Richardson. Is it an observation? I guess
4 if it had been a couple of years instead of a couple
5 of months, what would the consequences have been?

6 MR. FARVER: I don't know. But I would
7 say if it would have had a significant impact on
8 the case it would have been a finding.

9 MEMBER RICHARDSON: Yes. I mean, I
10 thought of, I don't know. It seems to me like QA
11 issues like that are better recorded as findings.
12 Like, I'd like to understand the, you know, the
13 etiology of that problem.

14 MEMBER CLAWSON: Doug, this Brad.
15 This was with DOL, wasn't it? So NIOSH doesn't
16 have any control over that or what? This is --

17 MR. FARVER: I don't completely
18 understand who updates NOCTS, but when NOCTS was
19 updated it did not include the correct dates.

20 MR. KATZ: I think we need to hear from
21 Scott.

22 MR. SIEBERT: I can't answer to NOCTS

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1 updates.

2 MR. KATZ: Oh, okay.

3 MR. SIEBERT: Sorry.

4 MEMBER CLAWSON: Stu.

5 CHAIRMAN KOTELCHUCK: So, Stu. Stu,
6 are you on the line? We're getting some background
7 here.

8 MR. KATZ: It sounds like someone's on
9 the line that isn't needed, but should be. But,
10 I gather we don't have Stu on the line, it seems
11 like we need some follow-up to understand this.

12 CHAIRMAN KOTELCHUCK: Yes. Well --

13 MR. HINNEFELD: This is Stu. I just
14 called in. Am I the one you're looking for?

15 MR. KATZ: Oh, yes.

16 CHAIRMAN KOTELCHUCK: Yes. Yes,
17 indeed, it is. I was wondering, who updates NOCTS?
18 Who handles it?

19 MR. HINNEFELD: That would be our
20 communications folks downstairs, or what we call
21 the claimant information communication team.

22 CHAIRMAN KOTELCHUCK: A-ha.

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1 MR. HINNEFELD: What's the -- I'm just
2 now catching --

3 MR. KATZ: So, there's a case, 373.
4 It's the first observation. And the question is
5 apparently NOCTS didn't update correctly. So the
6 dates for a couple of the cancers of the claimant
7 were off by a few months from what they should have
8 been.

9 MR. HINNEFELD: Okay. I'll transfer
10 this down there, and see what, see if we can figure
11 out what happened.

12 CHAIRMAN KOTELCHUCK: Okay.

13 MR. KATZ: The question is whether this
14 is a problem that could occur elsewhere, and
15 understanding better how this occurred.

16 MR. HINNEFELD: I'll have to find out.

17 MR. KATZ: Yes.

18 MEMBER RICHARDSON: So, Ted, can I --

19 MR. KATZ: Yes, David.

20 MEMBER RICHARDSON: -- ask for a, maybe
21 it's a misimpression of mine. I thought that the
22 dates were close because the diagnoses for multiple

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1 cases were close in time. It wasn't that there was
2 a typo. Is that correct?

3 MR. KATZ: Yes, I -- Doug.

4 MR. FARVER: Okay. It looks like the
5 new August 2003 cancer replaced the June cancer,
6 rather than the November cancers.

7 MEMBER RICHARDSON: Right. But the,
8 just the timing of the dates, the problem of
9 transposition of dates is because there are
10 multiple claims, there are multiple cancers going
11 through.

12 MR. FARVER: Yes. There have been --

13 MEMBER RICHARDSON: That was my
14 perception. So, you know, here it happens to be
15 that somebody's cancer diagnoses were close in
16 time. And you would have another case where they
17 could have been further in time.

18 MR. FARVER: Yes.

19 MEMBER RICHARDSON: And it would be
20 especially the kind of a problem where you have
21 non-fatal cancers. So, yes, I guess, I mean, just
22 that there's a difference between a problem of a

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1 typo, and there's one type of QA. But then if
2 there's something happening with transpositions of
3 dates for multiple diagnoses, then that's a
4 different type of problem. And I don't think, I
5 would really feel like that's a finding.

6 MR. KATZ: Right. And so, all I was
7 saying, David, is I thought it would be helpful to
8 hear from DCAS once they figure out what exactly
9 happened in this case.

10 MEMBER RICHARDSON: Right.

11 MR. KATZ: Because I don't think Doug
12 knows why the error was made.

13 MEMBER RICHARDSON: Yes, yes. Okay.
14 I just was wondering about the rationale of it, you
15 know, of being a couple of days or a couple of months
16 off --

17 MR. KATZ: Yes.

18 MEMBER RICHARDSON: -- versus there
19 being a couple --

20 CHAIRMAN KOTELCHUCK: Yes.

21 MEMBER RICHARDSON: -- of diagnoses,
22 where the dates of diagnoses have been transposed.

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1 CHAIRMAN KOTELCHUCK: Why don't we
2 just consider this in progress until we can get some
3 clarification? I think it's probably a finding.
4 But that's, but we, I mean, Stu will try to get it
5 clarified.

6 MR. HINNEFELD: Yes, can someone tell
7 me which set this case is from, so it will help me
8 track down the tracking number that I'm going to
9 need.

10 MR. SIEBERT: Stu, I sent that
11 information to you in an email. You have it.

12 MR. HINNEFELD: I've got the tracking
13 number?

14 MR. SIEBERT: Yes.

15 MR. HINNEFELD: Okay, thanks.

16 MR. SIEBERT: Sure thing.

17 CHAIRMAN KOTELCHUCK: Okay. Alright.
18 So --

19 MR. FARVER: Observation 2. When
20 we're looking over the spreadsheet for the recycled
21 uranium dose comparisons, we saw where the total
22 from the scan in the adrenals totaled greater than

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1 one millirem, [i.e.] two millirem each. And the
2 DR states that they were omitted, since they
3 contributed less than a millirem per year, in any
4 year.

5 As it turns out, that is correct. It
6 was, although the total dose was two millirem, the
7 dose for a year was less than a millirem. So, in
8 other words, the total dose was over multiple
9 years.

10 So they've got a dose, the DR report was
11 correct. It was just a little confusing, because
12 when we reviewed the spreadsheet we saw the two
13 millirem, and --

14 CHAIRMAN KOTELCHUCK: Right.

15 MR. FARVER: -- got confused. But we
16 wrote it up as an observation, just because we
17 didn't understand.

18 CHAIRMAN KOTELCHUCK: Right. And
19 it's clear now, and that's reasonable. So, it
20 seems to me where the observation is, so we can
21 close. Okay?

22 MR. FARVER: Okay.

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1 CHAIRMAN KOTELCHUCK: Alright, folks,
2 let's go on, 373.1.

3 MR. FARVER: 373.1, let's see. The
4 finding was that the incorrect energy
5 distributions were applied. Incorrect meaning --
6 I thought I knew that one. Okay. This is where
7 the DR report lists energy distributions were split
8 into two different energy groups.

9 CHAIRMAN KOTELCHUCK: Right.

10 MR. FARVER: Like, I think the 60/40.
11 Forty percent starting at 250 keV, and 60 percent
12 greater than 250 keV. Now, those are what's
13 written up in the DR report. However, according
14 to OTIB 17, when you do the -- follow OTIB 17, you
15 apply the missed dose to the skin as 100 percent
16 starting at 250 keV.

17 CHAIRMAN KOTELCHUCK: Okay.

18 MR. FARVER: So it appeared that they
19 did not use the correct energy distributions,
20 because they didn't use the ones that were in the
21 DR report. They followed OTIB 17, which was
22 correct. So you could say it was a little bit --

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1 they probably should have put something in the DR
2 report, stating what they were doing. But --

3 CHAIRMAN KOTELCHUCK: Okay.

4 MR. FARVER: Overall the calculations
5 were correct.

6 CHAIRMAN KOTELCHUCK: They were,
7 right. So, this is an observation that we should
8 close, right?

9 MR. FARVER: Well, this was written up
10 as a finding, because it's different than what was
11 written in the DR report.

12 MR. KATZ: Alright. That's understood,
13 Doug. But it's still -- there's no consequence.
14 It's an observation. There's no error in the dose
15 reconstruction.

16 MR. FARVER: No, that's correct.

17 MR. KATZ: Yes.

18 CHAIRMAN KOTELCHUCK: Right.

19 MR. KATZ: That's good.

20 CHAIRMAN KOTELCHUCK: Okay. So
21 close, we'll close on the observation.

22 MR. FARVER: Yes.

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1 CHAIRMAN KOTELCHUCK: Okay. Point 2.

2 MR. FARVER: Finding number 2.

3 Incorrect dose conversion factors were applied to
4 cancers number nine, ten and 15. This goes back
5 to a difference between what is written in the DR
6 report, and what was actually done.

7 So the, it is correct that they did not
8 use the dose conversion factors written in the DR
9 report for those cancers. That is because what
10 they did, NIOSH did, they used the Monte Carlo
11 analysis. And when they used the Monte Carlo
12 analysis, instead of using the, I think it's the
13 mean values, they used a distribution, and did the
14 Monte Carlo calculations. So, what they did was
15 correct. But what was in the dose -- DR report --
16 was not what they did.

17 CHAIRMAN KOTELCHUCK: And why do you
18 suppose it was not what they did?

19 MR. FARVER: Well, because they put the
20 dose conversion factors that were just done like
21 a point calculation. But they did the Monte Carlo
22 calculation, which uses a distribution.

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1 CHAIRMAN KOTELCHUCK: Right.

2 MR. FARVER: Which is going to give you
3 a different dose conversion factor.

4 CHAIRMAN KOTELCHUCK: So, right. And
5 they didn't write up that it was Monte Carlo.

6 MR. FARVER: And they -- it's different
7 than what they put in their ---

8 (Telephonic interference)

9 CHAIRMAN KOTELCHUCK: Okay.

10 MR. FARVER: It's kind of a subtlety.

11 CHAIRMAN KOTELCHUCK: Yes. And it's
12 an observation too.

13 MR. FARVER: What's written up as a
14 finding, we can change it to an observation.

15 CHAIRMAN KOTELCHUCK: Yes. It should
16 be.

17 MR. FARVER: Okay.

18 CHAIRMAN KOTELCHUCK: Okay, folks, I
19 think we should close this. Alright. [PAUSE]
20 Closed. And 373.3.

21 MR. FARVER: 373.3. An incorrect
22 table is used for the 1993 X-ray dose. NIOSH

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1 agrees with this finding --

2 CHAIRMAN KOTELCHUCK: Hello. Doug?

3 MR. FARVER: Yes.

4 CHAIRMAN KOTELCHUCK: Okay. Go
5 ahead.

6 MR. FARVER: Okay. Incorrect X-ray
7 dose for 1993. And it has to do with the dates.
8 The dose was applicable through April. But the
9 dose changed and then from May through December
10 there was a different dose value used.

11 What the DR should, the dose
12 reconstructor should have used the lower dose in
13 this case, instead of using the higher dose. So,
14 it was an error on the part of the dose
15 reconstructor. Very small dose error.

16 CHAIRMAN KOTELCHUCK: Handed over a
17 high -- claimant-favorable higher dose?

18 MR. FARVER: Right.

19 CHAIRMAN KOTELCHUCK: Right. Okay.
20 Well, this is okay, clear cut. And this is an
21 observation. Excuse me, pardon me. This is a
22 finding. Because there was an error, a procedural

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1 error. Although I can understand that the person
2 would do this, saying, well, why bother? I'll just
3 take the larger of the two.

4 It's a reasonable -- they did it in a
5 reasonable, claimant-favorable way. But
6 technically speaking, they did not do it correctly.
7 They could have done it more accurately, which
8 would have -- so I would say that we can close it.
9 And we would close it as a finding. Would others
10 agree?

11 MEMBER MUNN: Yes.

12 MEMBER CLAWSON: This is Brad. I'd
13 agree.

14 CHAIRMAN KOTELCHUCK: Okay.

15 MEMBER BEACH: I do too.

16 CHAIRMAN KOTELCHUCK: Okay. Alright,
17 then, we're agreed. Closed.

18 MR. FARVER: Okay. And then we move on
19 to Tab 374, Observation 1. The observation is that
20 it's not clear from the DR report why NIOSH did not
21 extend the uranium chronic intake regime through
22 the end of 1963. Instead they ended it in

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1 September of 1963, I believe, which was based on
2 the submittal of the last urine sample.

3 NIOSH's response is, the intake regime
4 was based on the submittal of the last urine sample.
5 And this is the final sample during the uranium
6 period. The TB states to assume uranium, natural
7 uranium prior to 1964.

8 We wrote it up as an observation, just
9 because we did not really understand. It really
10 does not have an impact on the dose.

11 CHAIRMAN KOTELCHUCK: I mean, when did
12 the person stop work? It wasn't clear on the --

13 MR. FARVER: Well, you're only going to
14 do this regime through the end of 1964 -- I mean,
15 through the end of 1963. So instead of carrying
16 it to 12/31/1963, I believe NIOSH carried it just
17 to the last sample date.

18 CHAIRMAN KOTELCHUCK: Yes.

19 MR. FARVER: The intake ending on the
20 sample date of 9/6/1963.

21 CHAIRMAN KOTELCHUCK: Right. That
22 looks more like a finding. Again, I can see a

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1 person may have just estimated that if it was --
2 that it was non-compensable. But on the other
3 hand, it is -- I mean, they should have completed
4 it until 12/31.

5 MR. SIEBERT: Well, this is Scott.
6 Let me make a clarification here.

7 CHAIRMAN KOTELCHUCK: Good.

8 MR. SIEBERT: That's the first intake
9 regime. There are additional intake regimes that
10 are signed after that. There's another one from
11 9/7/63 through 1976.

12 It's not that we didn't assign uranium
13 after that. It's just that each regime was handled
14 separately. So we didn't take the regime that was
15 just a little bit at the end of 1963 and call that
16 natural uranium, and then call the rest recycled
17 uranium.

18 CHAIRMAN KOTELCHUCK: Right.

19 MR. SIEBERT: We called it all the way
20 recycled uranium for those extra three months to
21 be claimant-favorable.

22 CHAIRMAN KOTELCHUCK: Okay. And you

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1 had, this is 374. I thought the person may have
2 ended employment at the end of '64. You're saying
3 the employment went on?

4 MR. SIEBERT: Yes, through '76.
5 Correct.

6 CHAIRMAN KOTELCHUCK: Okay. Well
7 then, in which case what you say is correct, and
8 this just becomes an observation.

9 MR. FARVER: Right. That's why we
10 wrote it up that way.

11 CHAIRMAN KOTELCHUCK: That's right.
12 Okay, folks, we'll close it. Good. Okay.

13 MR. FARVER: Let's see. First
14 finding, 374.1, failure to address missed thorium
15 intakes. The employee had some test count results
16 in the DOE record.

17 NIOSH agreed that they should have
18 assigned a missed thorium intake. The thorium
19 results were not included in the bioassay
20 spreadsheet, which is the primary source employed
21 by the dose reconstructor.

22 The dose reconstructor should have

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1 reviewed the duplicate pages to ensure no
2 additional information. So it's on the dose
3 reconstructor's part. And it's resulting in about
4 76 millirems, which has no overall impact on the
5 claim.

6 CHAIRMAN KOTELCHUCK: Very good. And
7 NIOSH acknowledged that that was just an error?

8 MR. FARVER: Yes.

9 CHAIRMAN KOTELCHUCK: Okay. So,
10 that's clear cut to be closed, and as a finding.
11 Okay.

12 MR. FARVER: Yes.

13 CHAIRMAN KOTELCHUCK: Let's go on.

14 MR. FARVER: Okay, 374. 2. There's a
15 failure to sufficiently address incidents.

16 CHAIRMAN KOTELCHUCK: Misspelled, by
17 the way.

18 MR. FARVER: Yes, it is.

19 CHAIRMAN KOTELCHUCK: Okay. It will
20 be corrected, I'm sure. Please. Okay.

21 MR. FARVER: Okay. In the CATI report
22 the claimants indicate that they have copies of

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1 urine bioassay results, in vivo monitoring, X-ray
2 exams, and so forth. And that this documentation
3 --

4 SC&A reviewed the files and found no
5 record of the documentation being provided to
6 NIOSH. Even though for most years the records
7 appear to be complete, SC&A finds it relevant that
8 all files be included.

9 It looks like the employee was involved
10 in about four different incidents. And, even if
11 the employee did have the information, and didn't
12 provide it to NIOSH, the records were complete
13 enough that it would not have impacted the overall
14 dose assessment.

15 Although NIOSH agrees that the DR
16 report is lacking details concerning the
17 incidents, it's not going to change it, or have an
18 overall impact on it.

19 CHAIRMAN KOTELCHUCK: Right.

20 MR. FARVER: So, this is just another
21 case where they, you know, they could have more
22 information from the CATI report and the DR report.

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1 CHAIRMAN KOTELCHUCK: Right. So this
2 becomes an observation, does it not? And we lack
3 -- well, we lack the information. So we can't go
4 beyond it. So it seems to me it should be closed,
5 but closed as an observation, should it not? Board
6 Members?

7 MEMBER MUNN: Well, closed, yes.

8 MS. BEHLING: This is Kathy Behling.
9 Again, can I just have a question? Did I
10 understand the CATI report to say that they, that
11 the individual actually had records? When that's
12 the case, how much does NIOSH pursue, how far do
13 you go to pursue getting those records? Or am I
14 misunderstanding what the CATI stated?

15 MR. SIEBERT: Well, we always ask them
16 to send in any records that they may have. What
17 was interesting on this one is, if you look further
18 in the CATI, they also stated they didn't know. It
19 shows the option of don't know when they were
20 talking about post-incident monitoring.

21 As well as they said, biological
22 monitoring after an incident was the normal

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1 procedure. However, they do not know if the EE
2 participated in biological monitoring after the
3 incident he was involved in. I'll have to look
4 back. Give me a second here real quick. I'm
5 thinking this is with a survivor.

6 CHAIRMAN KOTELCHUCK: Yes.

7 MR. SIEBERT: So they're really, as I
8 said, if they say they have records, we ask them
9 to go ahead and send anything that they have. But
10 that's about as far as we can go.

11 CHAIRMAN KOTELCHUCK: While you're
12 looking at that. You know, I would find in all CATI
13 reports, to my mind it would be much clearer if
14 every report was CATI (claimant) or CATI
15 (survivor). That plays a very important role in
16 my mind.

17 MR. SIEBERT: Well, when I say, when
18 SC&A has an observation or a finding related to a
19 CATI, that would be easy for them to --

20 CHAIRMAN KOTELCHUCK: Yes.

21 MR. SIEBERT: -- notate that.

22 CHAIRMAN KOTELCHUCK: Yes. You know,

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1 folks, why don't you, I would think that would be
2 useful to me, and maybe to other Board Members as
3 well. Because the quality of information is
4 really very different.

5 MR. SIEBERT: Well, the CATI itself,
6 you can tell when you look at the CATI whether it's
7 a survivor or the EE. I just had to look at the
8 CATI.

9 CHAIRMAN KOTELCHUCK: No, right. No,
10 Scott, you do. You have that, of course. The
11 problem is, those of us on the Subcommittee don't
12 have it. So I would not know reading this --

13 MR. KATZ: Right.

14 CHAIRMAN KOTELCHUCK: Did not know.

15 MR. SIEBERT: Got you. That is, I
16 didn't understand what you were saying.

17 MR. KATZ: Right. That's what I was
18 saying. SC&A can just note it.

19 CHAIRMAN KOTELCHUCK: Could you do
20 that, SC&A folks?

21 MS. GOGLIOTTI: Absolutely. We don't
22 have any current dose reconstructions in the

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1 blinds. But whenever we get our next batch we'll
2 implement that.

3 CHAIRMAN KOTELCHUCK: Yes, that's
4 good. Right. Good.

5 MR. SIEBERT: And for clarification,
6 it definitely was a survivor.

7 CHAIRMAN KOTELCHUCK: A survivor?

8 MR. SIEBERT: Yes.

9 CHAIRMAN KOTELCHUCK: Okay.

10 MS. GOGLIOTTI: Now, for my
11 clarification though, I'm getting the impression
12 that now the Board would not like us to indicate
13 this is a finding when an incident is mentioned,
14 but not mentioned in the actual report. Because
15 it can't be reconstructed. Is that --

16 CHAIRMAN KOTELCHUCK: Yes.

17 MS. GOGLIOTTI: -- consistent with
18 what you're feeling?

19 CHAIRMAN KOTELCHUCK: I feel that way.
20 How about others?

21 MEMBER MUNN: Yes. I agree that seems
22 like it should be a -- not a finding.

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1 MS. GOGLIOTTI: Because this is
2 different than what, past instructions we've
3 received. So I just want to clarify that going
4 forward.

5 CHAIRMAN KOTELCHUCK: Yes. I will say
6 that at least for me, it wasn't until I began
7 participating in the writing of the Secretary's
8 report that I realized the importance of this. And
9 so, I, as Chair I was not paying attention. I was
10 not paying attention to this, because I didn't
11 understand the importance of it. And now I do.

12 And that's why you'll notice I'm
13 fussing around a lot about findings and
14 observations. Whereas before I rarely
15 participated in any conversations about that.
16 Usually other Board Members, Subcommittee Members,
17 made suggestions. And, you know, I listened, and
18 went along, or didn't go along.

19 So, yes, I think that's, you're right.
20 This may be effectively a different practice. And
21 that significantly comes, at least from me, from
22 the report that we're doing.

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1 MS. GOGLIOTTI: Okay. So from now on
2 anything where we find we don't believe that the
3 dose reconstruction report itself did adequately
4 address something, but the actual dose
5 reconstruction was appropriate, from now on that
6 will be an observation?

7 CHAIRMAN KOTELCHUCK: Yes, yes.

8 MS. GOGLIOTTI: And keep in mind that
9 that won't affect everything that's already done.
10 It will start from --

11 CHAIRMAN KOTELCHUCK: That's correct.

12 MS. GOGLIOTTI: Okay.

13 CHAIRMAN KOTELCHUCK: And, you know,
14 but in fact, many other things, including the
15 things that we're going to come into, the
16 suggestions that are going to be made on Methods,
17 suggestions that are going to be made on how we
18 might approach more expedited dose reconstruction,
19 these will all be in the [Secretary's] Report. And
20 it will be soon.

21 So, we're, you know, we're turning --
22 It's an appropriate time to turn new leaves, if new

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1 leaves are worthy of turning. Okay. Let us go on.

2 MR. FARVER: Okay. Next one will be
3 Tab 375, Observation 1. SC&A found conflicting
4 information for a photon dosimeter, limit of
5 detection values between two tables. In the TBD
6 Table 6.3 and Table 6.13, one listed as 30 millirem,
7 one listed as 20 millirem for the same period, which
8 can get confusing.

9 So the NIOSH response is, the LOD value
10 of 20 is built into the Fernald workbook. And
11 NIOSH agrees there is conflicting information.
12 NIOSH determined that 20 was the more appropriate
13 value between the two, and used that in the Fernald
14 assessments.

15 The bottom line is the TBD has been
16 revised to correct the conflict. And in this case
17 those tables do not conflict anymore.

18 CHAIRMAN KOTELCHUCK: Okay. So it's
19 an appropriate observation. And I think we can
20 close it.

21 MEMBER MUNN: Agreed.

22 CHAIRMAN KOTELCHUCK: Okay, 375.1.

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1 MR. FARVER: 375.1. There's an
2 inconsistency in the distributions and doses in the
3 electronic IREP table and the IREP table that's
4 attached to the DR report.

5 Just to clarify this, every DR report,
6 at the very end has an IREP table printed with it.
7 Along with that there's an electronic spreadsheet
8 of an IREP table that goes along with the file. In
9 this case those two files -- or the numbers in those
10 two files did not match up. And that's the basis
11 for the finding.

12 And the NIOSH response is, the original
13 IREP sheet was not the final IREP sheet used for
14 the PoC determination. And if you would look at
15 the DR report, the IREP tables in there, they were
16 not done using a Vose or Monte Carlo-type
17 calculation. They were done using just a single
18 point calculation.

19 And since this claim was over 45
20 percent, they should have used a Monte Carlo one.
21 So it was reworked. However, the new file did not
22 replace the attachment to the dose reconstruction

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1 report. Somehow this step was overlooked in the
2 process. And it was kind of like a NIOSH process
3 error.

4 The doses are correct. There's a
5 difference in what was in the dose reconstruction
6 report to what was finally the final doses.

7 CHAIRMAN KOTELCHUCK: So, it's a
8 reporting, it's a -- is it a process error?

9 MR. FARVER: I believe it was an error
10 in the way NIOSH handled the process of updating
11 their file.

12 CHAIRMAN KOTELCHUCK: Yes.

13 MR. KATZ: I mean, I guess you might
14 want to ask, were the doses sent to DOL correct?

15 MR. SIEBERT: They were. I would
16 agree. What happened is, as you well know, the
17 DCAS reviews the ORAU Team's dose reconstruction
18 reports. In this case the DCAS reviewer had a
19 comment, and wanted something else changed in it.

20 Our normal process is for it to come
21 back, and we resubmit it. And when we do the
22 re-submittal is when the IREP sheet gets merged

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1 into the report. However, in this case the DCAS
2 reviewer obtained the files directly, instead of
3 returning it. And just missed the step of
4 re-merging that into the DR process.

5 So, it's an unusual process that the
6 reviewer used. And we normally don't do it that
7 way. So, our normal process catches it all. It's
8 fine. It's just this walked out slightly outside
9 the process.

10 CHAIRMAN KOTELCHUCK: But there was no
11 error. I mean, I don't see that there was an error
12 in what NIOSH did.

13 MR. FARVER: Right. The actual
14 calculations were all correct. It's just the
15 wrong copy of the IREP sheet was appended to the
16 dose reconstruction --

17 CHAIRMAN KOTELCHUCK: Yes.

18 MR. FARVER: -- report for the claim.

19 CHAIRMAN KOTELCHUCK: Yes. Sounds
20 like a closure and observation. If we close it,
21 it's an observation, is it not? Board Members?

22 MEMBER MUNN: I don't see why not.

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1 CHAIRMAN KOTELCHUCK: Pardon?

2 Pardon? I missed --

3 MEMBER MUNN: Sorry about that. I
4 don't see why not.

5 CHAIRMAN KOTELCHUCK: Yes.

6 MEMBER BEACH: Yes. I agree with
7 that.

8 CHAIRMAN KOTELCHUCK: Yes. Okay.
9 Let's close it with, as an observation. The other
10 one, go to 375.2.

11 MR. FARVER: 375.2. NIOSH may have
12 used an LOD value instead of an LOD over two for
13 the missed 30 to 250 keV photons. This is the same
14 as we've talked about before, that the attachment
15 to the dose reconstruction report is not the final
16 run. So it was confusing for us to determine how
17 they came up with the values for their doses when
18 the files didn't match.

19 CHAIRMAN KOTELCHUCK: So they should
20 have used the LOD over two, right?

21 MR. FARVER: Well, I believe they did
22 it correctly. The problem was, when we're

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1 reviewing it, it's confusing because the files,
2 what they say they do, and then what the final file
3 is, are different.

4 CHAIRMAN KOTELCHUCK: Yes.

5 MR. FARVER: So that's why we have it
6 stated this way, may have used an LOD value instead.
7 It's because we really can't tell what they did,
8 because the files don't match.

9 MR. KATZ: So, Doug, this is wrapped up
10 in that other business, in effect?

11 MR. FARVER: Yes. And I believe a lot
12 of these are all wrapped up together.

13 MR. KATZ: Okay.

14 CHAIRMAN KOTELCHUCK: So, it's an
15 observation, yes?

16 MR. FARVER: Yes.

17 MEMBER MUNN: Yes.

18 CHAIRMAN KOTELCHUCK: Okay. Let's --
19 this is an observation. We can close it now. And
20 that's good.

21 MR. FARVER: Okay. Moving on to
22 number 3.

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1 CHAIRMAN KOTELCHUCK: Point 3, right.

2 MR. FARVER: The neutron doses appear
3 incorrect. As with 375.2, the values hand entered
4 by the DR into the Vose simulation tool were
5 incorrect for an N/P ratio. That's been corrected
6 in the tool.

7 So in the previous one there was an
8 error, but it was corrected in the revision to the
9 workbook.

10 CHAIRMAN KOTELCHUCK: And for this
11 one?

12 MR. SIEBERT: Well, let me clarify.
13 This is Scott. The difference is, when this claim
14 was assessed, the Vose runs were actually done
15 outside the normal tool. They had to be done
16 separately. And additional information had to be
17 entered into is on a site by site basis by the DR.

18 They made the mistake on how they did
19 that in this case. The correction to the tool is
20 that the Vose calculations are now rolled into the
21 main tool. So the DR doesn't have to make this,
22 the entry of the N/P ratio or other parameters like

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1 that anymore. So the process has been fixed. The
2 dose reconstructor made an error in this case.

3 CHAIRMAN KOTELCHUCK: Right. Okay.
4 So this is a finding. And it is now corrected.
5 The process has been corrected.

6 MR. SIEBERT: Yes.

7 CHAIRMAN KOTELCHUCK: Okay. So,
8 that's good. That's a finding. And I move for
9 closure. Any concerns?

10 MEMBER MUNN: No.

11 CHAIRMAN KOTELCHUCK: Okay.

12 MR. FARVER: Okay. Next --

13 CHAIRMAN KOTELCHUCK: 375.4.

14 MR. FARVER: -- is 375.4. This
15 concerns the ambient dose. NIOSH failed to
16 multiply the ambient dose by 2,500 hours per year.
17 This is just to compensate for the doses that are
18 listed in the TBD. Then we do this calculation.
19 NIOSH agrees that they did not multiply their
20 ambient dose by the 2,500 hours per year.

21 It's a DR, dose reconstructor error.
22 And it decreased the dose. SC&A questions if the

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1 DR was reworked with the new values. But I'm
2 thinking this was a compensated case. So I'm not
3 sure you would rework it.

4 MR. SIEBERT: That is correct, Doug.

5 MR. FARVER: Okay.

6 CHAIRMAN KOTELCHUCK: Okay. So the
7 resolution here is that, I mean, this was an error.
8 So it is a finding.

9 MR. FARVER: Yes. It just, it was a
10 compensated case, so there's no need to rework it.

11 CHAIRMAN KOTELCHUCK: Right, right.
12 But in terms of our review, it's a finding, and
13 should be closed, folks, right? Okay.

14 MR. FARVER: Okay, 375.5. There's
15 duplicate ambient doses for 1985 through 1997.
16 They're in there twice. NIOSH says there appears
17 to be a cut and paste error and it's been corrected,
18 because the ambient doses no longer require the use
19 of a separate spreadsheet. An error within the
20 external dosimetry tool. So it was, you know,
21 another dose reconstructor error. Once again, the
22 case is already compensated.

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1 CHAIRMAN KOTELCHUCK: Very good.

2 Okay. So we'll --

3 MR. KATZ: Also, another error that is
4 fixed for other cases. Because the tool's
5 corrected, right?

6 CHAIRMAN KOTELCHUCK: Correct.

7 MR. KATZ: Okay.

8 CHAIRMAN KOTELCHUCK: Okay. So let's
9 close that as a finding. Good.

10 MR. FARVER: Next one's easy, 412. No
11 findings.

12 CHAIRMAN KOTELCHUCK: Right. Okay.
13 Any observations?

14 MR. FARVER: No. Then we'll move on to
15 413.

16 CHAIRMAN KOTELCHUCK: Okay.

17 MR. FARVER: Observation 1. SC&A
18 found that NIOSH assigned a missed photon and
19 missed neutron [dose], as if the EE was monitored
20 on a monthly basis in '84, and quarterly during '85
21 to '94, for a total of 52 zeros. Assigning missed
22 dose when the EE was not badged is technically

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1 incorrect because the employee was not wearing a
2 badge to register a dose.

3 NIOSH's response was, the site did not
4 provide any dosimeter records for '84 through '90.
5 And there's no indication that the employee should
6 have been monitored during the time.

7 Oh, okay, I remember this one. This,
8 it was a [identifying information redacted]. And
9 he was there over a period of, I think then, years
10 intermittently, you know, repairing machines.
11 Therefore, NIOSH agrees that only unmonitored dose
12 would have been more appropriate.

13 And the assessment that was submitted
14 by NIOSH included a missed dose and onsite ambient
15 dose. And the total of those two doses was an
16 overestimate in the EE's dose.

17 Now, we looked at that. And we agreed
18 that while they used the missed and ambient doses
19 as an overestimate, it was just, it is not
20 technically correct to assign a missed dose.

21 CHAIRMAN KOTELCHUCK: Yes.

22 MR. FARVER: But, you know, it's not

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1 going to have any impact on it [PoC].

2 CHAIRMAN KOTELCHUCK: Right. So this
3 is an observation, as you say. Sure. Okay.
4 Let's close it, folks.

5 MEMBER MUNN: Yes.

6 CHAIRMAN KOTELCHUCK: Okay, 413.1

7 MR. FARVER: Okay. Pre-employment
8 X-ray exam was not assigned. Once again, this is
9 the [identifying information redacted] guy over a
10 period of ten years. And what NIOSH did is, they
11 did assign an X-ray exam dose every year for that
12 ten years. But they just did not assign a
13 pre-employment exam, as is stated in the Technical
14 Basis Document.

15 CHAIRMAN KOTELCHUCK: But they need
16 not have, need they, for a person who comes in
17 sporadically?

18 MR. FARVER: Well, it depends. I
19 don't believe that's clear in the Technical Basis
20 Document. Okay. This is a special case, you
21 know, he's a [identifying information redacted]
22 guy. I understand what they did. But according

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1 to the technical basis they probably should have.

2 CHAIRMAN KOTELCHUCK: But if he --

3 MR. FARVER: But there were no records.

4 I mean, there were no diagnostic records for this
5 employee, as would be expected. And in the CATI
6 report the employee indicated that medical X-rays
7 were not required as a condition of employment. So
8 in my opinion, it's kind of a judgment call. And
9 you're talking about one X-ray exam.

10 CHAIRMAN KOTELCHUCK: Right, we are.
11 But there's perfectly good reason to think that
12 they may never have given him a pre-employment
13 X-ray exam.

14 MR. FARVER: They may not have given
15 him any X-ray exams. There were no records.

16 CHAIRMAN KOTELCHUCK: Wait a minute.
17 I thought you said that they --

18 MR. FARVER: No. I said NIOSH assumed
19 that they did -- and they assigned a dose every year
20 for the ten years.

21 CHAIRMAN KOTELCHUCK: Yes. I see what
22 you're saying. Well, that's reasonable.

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1 MR. FARVER: That's reasonable and
2 claimant --

3 CHAIRMANKOTELCHUCK:
4 Claimant-favorable.

5 MR. FARVER: -- favorable.

6 CHAIRMAN KOTELCHUCK: You're right.
7 There may not have been any.

8 MR. SIEBERT: But just --

9 CHAIRMAN KOTELCHUCK: But then --

10 MR. SIEBERT: Just for clarification
11 there, the site did mark the DOE response as saying
12 there were no X-ray records for this employee.

13 MR. FARVER: Right.

14 MR. SIEBERT: So, realistically, I
15 believe the DR was trying to do just an
16 overestimate, save some time, and put an X-ray
17 every year rather than looking through the records.

18 But when you look at the specific
19 records, there were no X-rays at the site. So the
20 best way to do this actually is not to assign any
21 X-rays. So we definitely did an overestimate in
22 this case.

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1 CHAIRMAN KOTELCHUCK: Yes. This
2 appears to be an observation. Nothing was done
3 wrong.

4 MS. GOGLIOTTI: No. It's an
5 overestimate in the best estimate case. But we
6 could argue either way for that.

7 CHAIRMAN KOTELCHUCK: Yes, yes.
8 Let's close this as an observation.

9 MR. SIEBERT: Just a clarification.
10 It's not a best estimate case.

11 MS. GOGLIOTTI: The PoC is 43 percent.

12 MR. SIEBERT: Yes. That's not a best
13 estimate. Forty-five to 52 percent is a best
14 estimate case.

15 MS. GOGLIOTTI: Ah, got you.

16 CHAIRMAN KOTELCHUCK: Okay. Closed?

17 MEMBER MUNN: Yes.

18 CHAIRMAN KOTELCHUCK: Okay.

19 MR. FARVER: Okay. Next one is 420, I
20 believe.

21 CHAIRMAN KOTELCHUCK: 420.1, yes.

22 MR. FARVER: Okay. Fernald. Yes.

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1 The 1994 assigned dose does not appear to be
2 technically reasonable. And let me try and give
3 you some more information on that.

4 Okay. The reason for this, and if you
5 look at the doses for previous years in 1992, they
6 were running about 160 millirem. And then in 1994
7 it turned out to be 15 millirem.

8 And we kind of looked at that and said,
9 gee, that just doesn't look right. And when NIOSH
10 looked at it they, NIOSH, agrees that the '94 doses
11 are incorrect. They say they're too high.

12 CHAIRMAN KOTELCHUCK: Wait a minute.
13 The 15 is too high? Or the 400?

14 MR. FARVER: And it looks like they say
15 the 15 is too high.

16 CHAIRMAN KOTELCHUCK: Yes. Okay.
17 That's what I thought I heard you say. 1992 was,
18 what did you say? Not 400, 100?

19 MR. FARVER: 160.

20 CHAIRMAN KOTELCHUCK: 160. And then
21 it went down to 15?

22 MR. FARVER: Yes.

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1 CHAIRMAN KOTELCHUCK: And they're
2 saying 15 is too high?

3 MR. FARVER: Well, let's read their
4 response. Further investigation of the claim
5 filed determined that the measured doses for '92
6 and '94 for the lung cancer runs for this claim were
7 incorrect.

8 The lung doses were run through a Vose
9 assessment tool. But it appears a cut and paste
10 error occurred with the measured dose. The dose
11 values are correct in the Vose tool output, but not
12 in the IREP sheet.

13 So it looks like we had a little bit of
14 an error when we went from the workbook and then
15 pasted it into the IREP sheet. The original dose
16 reconstructor is no longer available. And NIOSH
17 is unable to replicate the error.

18 MR. SIEBERT: And the continuation of
19 that is that the present tool now has Vose in it.
20 And there's no reason for the dose reconstructor
21 to cut and paste anymore.

22 CHAIRMAN KOTELCHUCK: Right. But

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1 this was an error in the first place.

2 MR. SIEBERT: Agreed.

3 CHAIRMAN KOTELCHUCK: Yes. Okay. So
4 it's a finding. And it should be closed.

5 MEMBER MUNN: Yes.

6 CHAIRMAN KOTELCHUCK: Okay. We will
7 go on then.

8 MR. FARVER: Okay.

9 CHAIRMAN KOTELCHUCK: Fernald and
10 Mound.

11 MR. FARVER: Tab number 425. Okay.
12 It looks like there's no observations. So we jump
13 into the findings, 425.1. The Mound records for
14 the employee show a gap in the badge exchange during
15 1984, February to March, and also during July
16 through August of '94.

17 NIOSH did not assign gap, missed, or
18 environmental dose for these periods. NIOSH
19 agrees that the gaps were not addressed. To
20 address the deficiency the short term gaps were
21 filled by the adjacent dosimetry averages, in
22 accordance with IG-001.

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1 As a result, a number of zero dosimeter
2 [doses] increased by one for both photons and
3 neutrons. An additional 20 millirem of photon
4 dose and 41 millirem of neutron dose was assigned
5 for each dose.

6 Well, this change, and that in the
7 findings of two, three and four, the combined PoC
8 remained below 45 percent.

9 CHAIRMAN KOTELCHUCK: Now, let me ask
10 you, there are badge exchanges from February 8th
11 to March 11th? What were they doing on a weekly
12 basis? That's a one month period.

13 MR. FARVER: Yes. Well, there were --
14 I don't have that in front of me. Let me see if
15 I can find it real quick.

16 CHAIRMAN KOTELCHUCK: Okay. It
17 almost has to be. Exchange periods had to be less
18 than a month.

19 MR. SIEBERT: Yes, but those periods
20 are approximately a month. I believe it was
21 monthly --

22 MR. FARVER: Yes.

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1 MR. SIEBERT: -- monitoring.

2 CHAIRMAN KOTELCHUCK: Yes.

3 MR. FARVER: Okay.

4 CHAIRMAN KOTELCHUCK: But it's a gap?
5 I don't understand. It's a gap between two monthly
6 readings.

7 MR. SIEBERT: We didn't have a
8 dosimeter for that time, for those gaps. But it
9 appears that it would be a timeframe that would be
10 covered by one dosimeter. We just do not have any
11 record of a dosimeter being issued during that
12 timeframe.

13 CHAIRMAN KOTELCHUCK: So maybe it's
14 that the badge exchanges are not available. The
15 badge measurements are not available for February
16 8th and for March 11th. For two months.

17 MR. SIEBERT: No. For the period
18 between February 8th and March 11th, that month.
19 There is no badge for this individual during that
20 timeframe.

21 CHAIRMAN KOTELCHUCK: Ah, okay.

22 MEMBER MUNN: As you look at the next

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1 gap, that one is a two week gap, it appears. So

2 --

3 MR. FARVER: So the question becomes,
4 how do you handle this gap?

5 MEMBER MUNN: Yes.

6 CHAIRMAN KOTELCHUCK: So I see what it
7 is. There was a declaration that the person [was]
8 badged up to February 8th. And they changed,
9 perhaps they changed companies? Or did they just
10 --

11 MR. FARVER: Well, the thing is, how do
12 you handle this gap? Do you do a missed dose, do
13 you do --

14 CHAIRMAN KOTELCHUCK: Okay.

15 MR. FARVER: -- unmonitored dose? And
16 --

17 CHAIRMAN KOTELCHUCK: Alright. I see
18 --

19 MR. FARVER: I believe we have seen
20 this done different ways. And I think a lot of it
21 depends on the size of the gap. If I'm --

22 MR. SIEBERT: That's correct, Doug.

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1 If it's a short term gap what we'll do is, we'll
2 fill it with adjacent dosimetry. Say an average
3 of the two dosimeters on either side.

4 CHAIRMAN KOTELCHUCK: Right.

5 MR. SIEBERT: And we consider a short
6 term gap approximately a quarter. Once you're
7 beyond that we'll be looking at co-worker dose if
8 it's available for the site.

9 MR. FARVER: There is a provision in
10 IG-001 that allows you to fill in a gap using
11 adjacent dosimetry results.

12 CHAIRMAN KOTELCHUCK: Yes.

13 MR. FARVER: Okay. This type of
14 finding we have, we'll see probably again.
15 Because a lot of it is a judgment call on the part
16 of the dose reconstructor and the size of the gap.

17 Now this is a relatively small gap in
18 these two periods. But I know we have questioned
19 this before where, well, "Why did you do
20 unmonitored dose, or co-worker dose, or something,
21 when there's larger gaps?" Just keep this in mind.
22 This does come up from time to time, this issue of

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1 the gap.

2 MEMBER MUNN: In early days we
3 discussed this interminably. For weeks this was
4 kicked around, and discussed over, and over, and
5 over again. And I think, as has been stated here,
6 the approaches that we're going to be taking are
7 pretty well solidified.

8 CHAIRMAN KOTELCHUCK: Yes. But it
9 looks like, let's see now, NIOSH did not assign the
10 gap.

11 MR. SIEBERT: Correct. That's the --

12 CHAIRMAN KOTELCHUCK: Okay. So
13 nothing was assigned. The argument was nothing
14 was assigned in that period. And there are
15 standard protocols for that.

16 MR. SIEBERT: We agree that there was
17 an error, because we did not assign something.

18 CHAIRMAN KOTELCHUCK: Okay. Right.
19 Alright. Understood. That's good. Okay. So
20 we certainly will move to close it. And it is
21 certainly a finding. Okay. Thanks, folks.

22 MR. FARVER: Okay. Next one is 425.2.

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1 NIOSH used the incorrect surrogate organ for the
2 lung. They used a female lung instead of a male
3 lung, or a male lung instead of a female lung.
4 That's what it was, wrong gender.

5 CHAIRMAN KOTELCHUCK: Right.

6 MR. FARVER: They've revised their
7 Fernald tool. And it assigns the higher value, a
8 female lung, for all.

9 CHAIRMAN KOTELCHUCK: Right. Now,
10 was there any reason to go back to other previous
11 females? Or, someone check, but in general have
12 we been doing this correctly and then this was just
13 an isolated error?

14 MR. SIEBERT: I can't speak to that at
15 the moment. I'm digging into the case. Sorry
16 about that.

17 CHAIRMAN KOTELCHUCK: Okay. And
18 that's good. No, no, that's fine.

19 MEMBER MUNN: It is hard to believe
20 that a difference of four millirem is of any
21 consequence, even though --

22 CHAIRMAN KOTELCHUCK: Of course.

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1 That I grant you. But mis-assigning the organ,
2 which is really mis-assigning the gender --

3 MEMBER MUNN: Yes.

4 CHAIRMAN KOTELCHUCK: -- is, that's a
5 serious mistake.

6 MEMBER MUNN: It is. It might
7 possibly be in the case of other organs too.

8 CHAIRMAN KOTELCHUCK: Yes.

9 MEMBER MUNN: Particular case.

10 CHAIRMAN KOTELCHUCK: Yes.

11 MR. SIEBERT: Well, it, what it looks
12 like in this case is, it's not a lung cancer. It's
13 a different type of [identifying information
14 redacted] cancer where we're using lung as the
15 surrogate.

16 CHAIRMAN KOTELCHUCK: Ah-ha.

17 MR. SIEBERT: And when the dose
18 reconstructor used the surrogate value, they
19 pulled the male as opposed to the female value off
20 of there. I'm guessing they didn't choose male on
21 purpose. They just picked the wrong one, which is
22 why our tool now defaults to the higher of the two

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1 --

2 CHAIRMAN KOTELCHUCK: Very good.

3 MR. SIEBERT: -- for a surrogate organ.

4 CHAIRMAN KOTELCHUCK: Okay. Very
5 good.

6 MEMBER MUNN: In which case you would,
7 could still, and probably would have the kind of
8 error we're looking at right here, as a blessed
9 event.

10 CHAIRMAN KOTELCHUCK: Right.

11 MEMBER MUNN: It's the higher of the
12 two.

13 CHAIRMAN KOTELCHUCK: That's correct.

14 MEMBER MUNN: And that's something,
15 gender appropriate or notwithstanding.

16 CHAIRMAN KOTELCHUCK: Yes. So this
17 does not appear to be an error. This appears to
18 be -- because this was not the organ in question,
19 but was a surrogate organ, I would see this as an
20 observation.

21 MR. FARVER: Well, no. It was
22 incorrect. The dose reconstructor chose the wrong

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1 number.

2 CHAIRMAN KOTELCHUCK: But you were,
3 somebody was arguing that the higher number was
4 chosen in order to be claimant-favorable.

5 MR. SIEBERT: No, I'm sorry, maybe I've
6 mis-stated that. Let me clarify. It is an error.
7 The female would have been a larger value. And the
8 DR accidentally picked the male. So I agree, it
9 is an error.

10 CHAIRMAN KOTELCHUCK: Oh, oh, alright.
11 Yes. Yes.

12 MEMBER CLAWSON: This is a finding.

13 CHAIRMAN KOTELCHUCK: Okay. It is.
14 Alright.

15 MEMBER MUNN: If the other error had
16 been made, if the error had been made the other way
17 you could argue that it was favorable to the
18 claimant.

19 CHAIRMAN KOTELCHUCK: That's right.
20 Good. Okay. So, I propose we close this, and as
21 a finding.

22 MEMBER MUNN: Agreed.

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1 CHAIRMAN KOTELCHUCK: Okay. Moving
2 along.

3 MR. FARVER: Moving along. Next one
4 is Finding 3, the results for Pu-239 were
5 discounted, or not considered. The employee met
6 the following criteria listed in the DR guidelines,
7 which indicated that for this EE a presumption of
8 Pu-239 was not appropriate. And therefore, no
9 Pu-239 was assigned.

10 The criteria were: all plutonium
11 bioassays were negative, the employee was not
12 assigned to the R building, and the overall
13 presumed exposure for the general area worker will
14 be assumed to be composed of more than 50 percent
15 238. So TIB-49 will not be applied.

16 However NIOSH agrees that because the
17 CATI indicates that the individual responded to
18 leaks, spills, decommission, taking material out
19 of buildings, and that Pu-238 and 239 were
20 potentially included in these situations, a
21 claimant-favorable assumption could have been that
22 exposure to Pu-239 was possible.

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1 To correct this, missed dose was
2 calculated for Pu-239 for a total of 25 millirem
3 to the stomach, after accounting for OTIB-49
4 adjustment.

5 CHAIRMAN KOTELCHUCK: Okay. Now,
6 this was an error for one single worker, or one type
7 of worker. But a small -- presumably a small
8 number of folks were employed in that?

9 MR. FARVER: I'd say this is
10 case-specific.

11 CHAIRMAN KOTELCHUCK: Yes. Okay.
12 And it looks like it to me also. So this is an
13 error. It's a finding. And it happened. Okay.
14 I think we would just close it as a finding. Okay,
15 folks?

16 MEMBER BEACH: Sounds like NIOSH
17 corrected the error. And I agree, it should be
18 closed.

19 CHAIRMAN KOTELCHUCK: Yes, yes.
20 Okay. Let's do that. 425.4.

21 MR. FARVER: 425.4. NIOSH summed
22 doses from all three solubility types, instead of

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1 only Type S. So apparently when we were reviewing
2 the CADW report it looked like they just summed up
3 all the doses, instead of assigning for just Type
4 S.

5 Let me explain a little bit. I know
6 when I run the CADW report I'll include the
7 different solubility types, just so I have them all
8 in one run. I don't have to run it three separate
9 times.

10 And then you can select where you want
11 to have that included in the final assessment or
12 not. It's a little toggle you click on, and it
13 includes it in the final numbers.

14 I believe what happened is, NIOSH just
15 summed all these values up by mistake, instead of
16 including just the Type S values. It resulted in
17 an overestimate.

18 CHAIRMAN KOTELCHUCK: Right. Okay.
19 NIOSH has corrected the error. Is this a
20 case-specific error?

21 MR. FARVER: I believe this is a
22 case-specific. This was a dose reconstructor

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1 error.

2 MR. SIEBERT: I would agree with that.

3 CHAIRMAN KOTELCHUCK: Okay. Fair
4 enough. Okay. Then let's close it and -- as a
5 finding.

6 MR. FARVER: And that concludes
7 Fernald.

8 CHAIRMAN KOTELCHUCK: Well, that
9 concludes Fernald. Then I was figuring maybe we
10 just go until 4:30 p.m. It's 4:23 p.m., 4:25 p.m.
11 It's, maybe folks would like to -- we've covered
12 a lot of ground.

13 MR. KATZ: Do you want to schedule,
14 Dave?

15 CHAIRMAN KOTELCHUCK: Yes. We do need
16 to schedule. Let's schedule. Thank you very
17 much. So, yes. And may you lead us in this
18 discussion, Ted?

19 MR. KATZ: Yes. Yes, let me just pull
20 up a calendar so I can do that.

21 CHAIRMAN KOTELCHUCK: Fine. Good.
22 That will make good use of our remaining time.

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1 MEMBER MUNN: About what timeframe do
2 you think we're looking at, Dave?

3 MR. KATZ: So it would have to be, I
4 think Rose and Scott, I mean, correct me if I'm
5 wrong. But I'm assuming there are plenty of other
6 cases that are ready already, and then that would
7 be ready in a couple of months. Is that correct?

8 MS. GOGLIOTTI: Absolutely.

9 MR. KATZ: Okay. So then, I think we
10 can shoot for, you know, we're at the very end of
11 April, May, you know, we could shoot for any, from
12 sort of mid-June on I think we're good. So for
13 example, the week of June 13th. How does that look
14 for people?

15 CHAIRMAN KOTELCHUCK: Let me look.
16 Let me see. It doesn't look right off, let me just
17 see. Somehow I -- no, that would be okay.

18 MR. KATZ: So for example, somewhere in
19 the middle of the week probably is good for, better
20 for people in general. But, so let's say June
21 14th, 15th?

22 MEMBER MUNN: The 15th would be better

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1 for me. Either that or the last week of June.

2 MR. KATZ: Well, let's start with this
3 date first. But --

4 CHAIRMAN KOTELCHUCK: Right.

5 MR. KATZ: June 15 then, does that work
6 for everyone on the line?

7 MEMBER MUNN: Yes.

8 CHAIRMAN KOTELCHUCK: Yes. Works for
9 me.

10 MEMBER CLAWSON: I'd have to be able to
11 leave an hour early, because I've got a meeting on
12 that day.

13 MR. KATZ: An hour early is okay. I
14 mean, I think that would still be worth -- that's
15 most of the day.

16 MEMBER CLAWSON: Okay. I just wanted
17 you to know. I didn't want to blindside you.

18 MR. KATZ: I just want to make sure.
19 But let's see about everybody else. So, David, how
20 about June, we're talking about June 15th.

21 CHAIRMAN KOTELCHUCK: Right. Sounds
22 good for Dave Kotelchuck.

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1 MR. KATZ: Yes.

2 CHAIRMAN KOTELCHUCK: And Dave
3 Richardson?

4 MEMBER RICHARDSON: I have a meeting
5 that day.

6 CHAIRMAN KOTELCHUCK: Ah, okay.

7 MR. KATZ: Okay. Well then, let's
8 not. Because we really, we need to --

9 MEMBER MUNN: Yes.

10 (Simultaneous speaking.)

11 MEMBER RICHARDSON: The 14th is
12 possible.

13 CHAIRMAN KOTELCHUCK: Yes. The 14th
14 is good for me, better for me.

15 MR. KATZ: Wanda, can you deal with the
16 14th?

17 MEMBER MUNN: I'll arrange it, yes. I
18 can --

19 CHAIRMAN KOTELCHUCK: If that could be
20 done, it would be appreciated.

21 MEMBER MUNN: Okay.

22 MR. KATZ: Brad?

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1 MEMBER CLAWSON: I'll make that day
2 work.

3 CHAIRMAN KOTELCHUCK: Yes.

4 MR. KATZ: Okay. Then I also, that's
5 already -- can we have -- and Josie?

6 MEMBER BEACH: That's fine for me.

7 MR. KATZ: So that's a good time or a
8 bad time?

9 MEMBER BEACH: That's a good time.

10 MR. KATZ: Oh, good time. So then we,
11 I mean, that's a sure quorum then. So let's, why
12 don't we just take that, whether John Poston can
13 make it or not.

14 CHAIRMAN KOTELCHUCK: Yes. Tuesday,
15 6/14. Hopefully he can.

16 MR. KATZ: Yes, hopefully he can.
17 June 14th.

18 CHAIRMAN KOTELCHUCK: Okay.

19 MR. KATZ: That's not a problem for any
20 of the sort of key staff?

21 MS. GOGLIOTTI: Not here.

22 MR. HINNEFELD: I think we can probably

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1 make it work at NIOSH.

2 MR. KATZ: Thank you, Stu. Okay.

3 CHAIRMAN KOTELCHUCK: Sounds very
4 good.

5 MR. KATZ: That's great. That's
6 great.

7 CHAIRMAN KOTELCHUCK: Okay. Well
8 then, folks, we have a date. And we accomplished
9 a lot today. So let me thank you all for --

10 MEMBER CLAWSON: I've got one
11 question, just for Ted.

12 CHAIRMAN KOTELCHUCK: Sure.

13 MEMBER CLAWSON: For our Board
14 meeting, what date was that on? I've misplaced
15 that.

16 MR. KATZ: The teleconference is in
17 May. It's May 25th.

18 MEMBER CLAWSON: Okay.

19 MR. KATZ: But then the next Board
20 meeting is August 8th to 9th, I think.

21 CHAIRMAN KOTELCHUCK: Yes. In Idaho
22 Falls.

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1 MR. KATZ: Yes. In your hometown,
2 sort of.

3 MEMBER CLAWSON: Good, I may be able to
4 make that, yes.

5 CHAIRMAN KOTELCHUCK: Alright.

6 MR. KATZ: You better.

7 CHAIRMAN KOTELCHUCK: If he could.
8 Okay, folks, so we're closing now. June 14th.
9 And 10:30 a.m. again, 10:30 a.m. to --

10 MR. KATZ: Oh. And we're just
11 continuing on, right?

12 CHAIRMAN KOTELCHUCK: Right.

13 MR. KATZ: You could also pick up a
14 couple of the blinds if you want to do that. Or
15 you could just continue on like this. What do,
16 what's --

17 CHAIRMAN KOTELCHUCK: I --

18 MR. KATZ: You're breaking up.

19 CHAIRMAN KOTELCHUCK: Okay. Let's
20 ask other Members of the Committee. I would say
21 we do one more meeting, and then address the blinds.
22 Let's really get some --

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1 MR. KATZ: That's fine.

2 CHAIRMAN KOTELCHUCK: -- a lot of cases
3 under our belts.

4 MR. KATZ: As long as you have a full
5 plate, I don't see why not. That makes sense.

6 CHAIRMAN KOTELCHUCK: Yes. Okay. So
7 we'll just continue on cases. So we're going to
8 have a very, we're going to have a brief agenda,
9 which is one item, case review issues,
10 reconstructions, sets 14 through 18. Other things
11 will come up, I'm sure.

12 MR. KATZ: Yes, possibly. But thanks
13 so much, everybody. This was great.

14 CHAIRMAN KOTELCHUCK: Yes. Thank you
15 all. Have a good tomorrow and weekend. Bye-bye.

16 MEMBER MUNN: Likewise.

17 CHAIRMAN KOTELCHUCK: Bye-bye.

18 (Whereupon, the above-entitled matter
19 went off the record at 4:28 p.m.)
20
21
22

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