

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

convenes the

TWENTY-SIXTH MEETING

ADVISORY BOARD ON  
RADIATION AND WORKER HEALTH

VOL. II

The verbatim transcript of the Meeting of the  
Advisory Board on Radiation and Worker Health held at  
the Shilo Inn Suites, 780 Lindsay Boulevard, Idaho  
Falls, Idaho, on August 25, 2004.

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[sic]	Exactly as said
[phonetic]	Exact spelling unknown
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P A R T I C I P A N T S

(By Group, in Alphabetical Order)

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(in order of appearance)

Dr. Jim Neton, NIOSH  
Mr. Russ Henshaw, NIOSH  
Dr. Paul Ziemer, Chair

STAFF/VENDORS

Cori Homer, Committee Management Specialist, NIOSH  
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NANCY LEE & ASSOCIATES

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BRAILSFORD, BEATRICE  
BRANDAL, LYNDA  
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SCHAEFFER, D. MICHAEL  
SCHAUER, DAVID  
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TOOHEY, R.E.

NANCY LEE & ASSOCIATES

P R O C E E D I N G S

(8:30 a.m.)

REGISTRATION AND WELCOME

DR. ZIEMER: Good morning, everyone.

We'll reconvene for the second day of this Board meeting.

ADMINISTRATIVE HOUSEKEEPING

We have a number of administrative matters to take care of. I think if Cori is here -- Cori, let's start out with the information on our next meeting and make sure everybody has the time and date and location. You may recall originally we thought we were going to be headed to Washington, D.C., but actually could not find a hotel there, so we went to Plan B. So Cori will tell us about Plan B.

MS. HOMER: Okay.

DR. ZIEMER: Which, for some, was Plan A, actually.

MS. HOMER: Okay. I think some of you are already aware, we'll be meeting in San Francisco in October. There were -- there was no room at the inn, so to speak, in Washington, due to the elections. And we will be staying at the Westin St. Francis. I've reserved three days,

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1 one for the subcommittee meeting and two for the  
2 full Board meeting, for the 19th, 20th and 21st.

3 It'll be up to you to decide which of those days  
4 will be for the full Board and the subcommittee,  
5 as I haven't made final arrangements for that.  
6 The contract was just signed last week.

7 DR. ZIEMER: I think the subcommittee  
8 will have to go on the day before the Board  
9 meeting --

10 MS. HOMER: I believe so.

11 DR. ZIEMER: -- so we'll put that on the  
12 19th and then the Board on the 20th and 21st.

13 MS. HOMER: Okay.

14 DR. ZIEMER: Huh? Right?

15 DR. ANDERSON: Yeah. I mean just so you  
16 know, the Board of Scientific Counselors for  
17 NIOSH meets on the 21st, so I won't be able to be  
18 there. I had us down for the -- Monday, Tuesday,  
19 Wednesday.

20 DR. ZIEMER: What -- the 19th is a  
21 Tuesday?

22 MS. HOMER: It's a Tuesday. I was  
23 trying to avoid folks flying on weekends.

24 DR. MELIUS: The 21st is bad for me  
25 then, too, if I'm still on. I don't know if my

1 term's up or what's going on.

2 DR. ZIEMER: Are people willing to fly  
3 on the 18th if --

4 DR. ANDERSON: Well, the 18th would be  
5 the subcommittee.

6 DR. ZIEMER: I mean on the 17th. But we  
7 don't know about availability at the hotel at  
8 this point. Right?

9 MS. HOMER: I can check and see if we  
10 can rearrange those dates, if I can renegotiate  
11 the contract.

12 DR. ZIEMER: Do we lose two of you on  
13 the 21st? Is that -- but everybody's okay if we  
14 went 18, 19, 20? Could you check on that then?

15 MS. HOMER: I'll check into it and get  
16 back with you.

17 DR. ZIEMER: Let's see if -- we'll see  
18 if we can get that modified.

19 MS. HOMER: Okay.

20 DR. ZIEMER: Thank you very much. Okay,  
21 go ahead.

22 MS. HOMER: All right. Now the  
23 following meeting -- I'll put Washington, D.C. on  
24 the top of the list and see if we can arrange  
25 that, but I'll need some dates for the meeting

1 following the October meeting.

2 DR. ZIEMER: We're at mid-October.

3 MS. HOMER: Uh-huh. Do we want to try  
4 for late November?

5 DR. ZIEMER: We're probably going to get  
6 into December, at the earliest, it's -- I would  
7 suspect.

8 MS. HOMER: Okay. Well, there's the  
9 1st, 2nd and 3rd of December. December 1st, 2nd  
10 and 3rd?

11 DR. ZIEMER: Well, let's -- let's check  
12 the December dates. I'm out of the loop 1st, 2nd  
13 and 3rd.

14 MS. HOMER: Okay.

15 DR. ZIEMER: How about the week of the  
16 6th? Out all week?

17 MS. HOMER: Gen is out?

18 DR. ROESSLER: (Off microphone) Well,  
19 until the 9th.

20 DR. ZIEMER: Again, we're now looking  
21 for -- well, we can still go two days, depending  
22 on who's on the subcommittee.

23 MS. HOMER: Uh-huh.

24 DR. ZIEMER: Right.

25 DR. DEHART: The week of the 13th?

1 DR. ZIEMER: 9th and 10th are out? 9th  
2 and 10th are okay?

3 DR. DEHART: The 10th isn't for me.

4 DR. ZIEMER: The 10th is not. Okay.  
5 Let's kind of keep track of -- the 10th we would  
6 lose one person?

7 DR. MELIUS: Lose two.

8 DR. ZIEMER: Lose two, okay. Let's look  
9 at third week, 13th -- week of the 13th. Let me  
10 just go through the --

11 MR. ESPINOSA: (Off microphone) I'm out  
12 on the 17th.

13 DR. ZIEMER: Okay, Rich is out on the  
14 17th.

15 MR. ESPINOSA: (Off microphone) Actually  
16 16th and 17th.

17 DR. ZIEMER: Sixteen and 17 out -- 13,  
18 14, 15?

19 MS. HOMER: Looks good?

20 DR. ZIEMER: Thirteen, 14, 15?

21 MS. HOMER: Okay. How about an  
22 alternate? Is that --

23 DR. ZIEMER: Tentative, December 13, 14,  
24 15 in D.C. Let's look at a fall-back...

25 MS. HOMER: Yeah, alternate location.

1 DR. ZIEMER: I'm going to assume the  
2 week of the 20th is probably not very good.

3 MS. HOMER: Huh-uh.

4 MS. MUNN: That's a good assumption.

5 DR. MELIUS: But nobody has meetings on  
6 the 24th and 25th, so they're free.

7 DR. ZIEMER: The week of the 27th? A  
8 sufficient number of groans that -- okay, now  
9 we're into January. Week of --

10 MS. HOMER: The 3rd?

11 DR. ZIEMER: Week of January what?

12 MS. HOMER: January 3rd?

13 DR. ZIEMER: Week of January 3rd.

14 DR. ANDERSON: I have a conflict on the  
15 5th.

16 DR. ZIEMER: I do, too -- 6th or 7th?

17 DR. ANDERSON: 6th I do.

18 DR. ZIEMER: Conflict?

19 DR. ANDERSON: Yeah, 5th and 6th.

20 MR. ESPINOSA: We're talking about D.C.  
21 on this. Right?

22 DR. ANDERSON: Yeah.

23 DR. ZIEMER: Let me check again.

24 January 3rd and 4th? 5th? 3rd, 4th and 5th?

25 DR. ANDERSON: I've had -- the 5th is a

1 problem.

2 DR. ZIEMER: 5th is a --

3 DR. ANDERSON: 5th and 6th.

4 DR. ZIEMER: Actually I have a conflict  
5 on the 5th, also.

6 Week of the 10th.

7 MR. ELLIOTT: 10th, 11th and 12th is not  
8 good.

9 UNIDENTIFIED: (Inaudible)

10 DR. ZIEMER: In where?

11 MR. ELLIOTT: She's saying in January  
12 before the inauguration --

13 DR. ZIEMER: Oh, before the  
14 inauguration.

15 MS. HOMER: The week of the 17th? Is  
16 that okay -- 24th?

17 UNIDENTIFIED: 24th is fine.

18 MR. ESPINOSA: Are we stuck to D.C.?

19 DR. ZIEMER: 24?

20 MR. ESPINOSA: Can we --

21 DR. MELIUS: I've got a conflict the  
22 week of the 24th.

23 MR. ESPINOSA: Can we select an  
24 alternate location, too?

25 MR. PRESLEY: That's what I was going to

1 say, if we couldn't -- if we can't make D.C. the  
2 13th, 14th and 15th, can we select an alternate  
3 location, go to Cincinnati that week or  
4 something?

5 MS. HOMER: Well, would you consider  
6 something a little more southern, because it's  
7 winter? It might make it a little easier for  
8 travel.

9 DR. ZIEMER: That probably will work  
10 better to have an alternate location rather than  
11 an alternate date, it appears. Otherwise you're  
12 going to get into February and it's too long.

13 MR. PRESLEY: That's too long.

14 DR. ZIEMER: Okay.

15 MS. HOMER: Amarillo has come up.

16 DR. ZIEMER: Amarillo, Pantex.

17 MR. PRESLEY: Amarillo --

18 MS. HOMER: And Savannah is a  
19 possibility.

20 MR. PRESLEY: Amarillo, the weather's as  
21 bad there as it is --

22 DR. ZIEMER: Yeah.

23 MS. MUNN: Savannah's nice.

24 DR. ZIEMER: Savannah is not really near  
25 the Savannah River Site. It's a nice place, but

1 if you want to go near the Savannah River Site,  
2 you almost have to go to Aiken.

3 MS. HOMER: Or Augusta.

4 DR. ZIEMER: Or Augusta.

5 DR. ANDERSON: We did that.

6 MS. HOMER: How close is Amarillo to the  
7 Pantex plant?

8 DR. ZIEMER: Well, that's the -- that's  
9 the town.

10 MS. HOMER: Is it? Okay. Would you  
11 like --

12 DR. ZIEMER: It's in the panhandle of  
13 Texas. It's not southern weather.

14 MS. HOMER: Well, we could consider New  
15 Mexico again. We could do --

16 MR. ESPINOSA: I second.

17 DR. DEHART: There is the bonus\* reactor  
18 plant in Puerto Rico.

19 MS. HOMER: Oh, I'm all for Puerto Rico.

20 DR. MELIUS: There's also Amchitka.

21 DR. ZIEMER: I don't think you're going  
22 to have many claimants from Puerto Rico. If we  
23 go to Amarillo, I'm not sure you're going to get  
24 a tour of the Pantex plant. It's probably  
25 unlikely, but you might get some -- how many

1 claims do we have from Pantex? Do we -- there's  
2 a worker group there that we could interact with.

3 That would be the main reason for going to  
4 Amarillo would be to interact with the worker  
5 groups there. But I think we could find a better  
6 time of year for Amarillo, frankly --

7 MS. HOMER: Think so?

8 DR. ZIEMER: -- if -- it can be pretty  
9 harsh.

10 MS. HOMER: Well, there was a list  
11 originally developed from some suggestions from  
12 Board members of locations to go. We've been to  
13 almost all of them. Nashville is still on the  
14 list, Albuquerque we haven't been -- we've been  
15 into the area, but not specifically.

16 DR. ZIEMER: Why was Nashville on the  
17 list?

18 MS. HOMER: I'm not sure.

19 MR. PRESLEY: There's two places close  
20 to Nashville. You've got Clarksville. I don't  
21 know how many claims we've got from up there, but  
22 that's close to Paducah and Clarksville.

23 DR. ZIEMER: What's the closest large  
24 city to Paducah?

25 MR. PRESLEY: St. Louis.

1 MR. ELLIOTT: Evansville.

2 DR. ZIEMER: You can't get to Evansville  
3 from anywhere. Dick?

4 DR. TOOHEY: (Off microphone)  
5 (Inaudible) considered Tampa for the (Inaudible)  
6 plant down there?

7 MS. HOMER: Do we have work down there?

8 DR. ZIEMER: Pinellas had almost no  
9 radioactivity in their site. They did timers and  
10 things. Did --

11 MR. ELLIOTT: Tritium is it.

12 DR. ZIEMER: Yes, they did have tritium.

13 Do you have claimants from Pinellas?

14 MR. ELLIOTT: Yes, we do.

15 MR. PRESLEY: We do have claimants?

16 MS. HOMER: Oh, a Tampa area --

17 DR. ZIEMER: Well, then that would be a  
18 good --

19 MS. HOMER: Okay, I'll put Tampa as an  
20 alternate.

21 DR. ZIEMER: Yeah.

22 MS. HOMER: You'll be okay with Tampa?  
23 Okay. I'll bet I can get hotel space real cheap  
24 right now.

25 DR. ANDERSON: Do we want to pick a

1 February date?

2 DR. ZIEMER: Actually, for worker  
3 outreach, Tampa might be a better selection  
4 anyway than D.C. --

5 MS. HOMER: Would you like me to put  
6 that on top of the list?

7 DR. ZIEMER: -- wouldn't it?

8 MR. ELLIOTT: It's your choice. I just  
9 want to know -- I want to -- I'm lost here. Are  
10 we talking about December?

11 MR. PRESLEY: December.

12 DR. ZIEMER: December.

13 MS. HOMER: Okay. So you want Tampa on  
14 top of the list as opposed --

15 DR. ZIEMER: How many prefer Tampa for  
16 the December meeting? How many prefer D.C.?  
17 Five. I actually prefer D.C. Okay, I think  
18 we're going to stay with D.C. for --

19 MS. HOMER: Okay.

20 DR. ZIEMER: -- and Tampa's Plan B.

21 MS. HOMER: Okay. Do we want to  
22 schedule a February meeting?

23 DR. ZIEMER: Let's -- let's find some  
24 dates for February, we'll finish that up. First  
25 week of February, week of February 1st? Bad

1 days?

2 DR. ANDERSON: Tuesday. I could change  
3 it -- a dentist appointment.

4 DR. ZIEMER: Oh, that doesn't count.  
5 Any conflicts the first week of February?

6 MS. MUNN: Are you talking about 1, 2,  
7 3, 4 or the 7th?

8 MS. HOMER: 1, 2, 3, 4.

9 DR. ZIEMER: That was 1, 2, 3, 4. How  
10 about the week of the 7th? Any conflicts week of  
11 the 7th?

12 DR. MELIUS: The latter part of that  
13 week is bad for me.

14 DR. ZIEMER: But 7, 8, 9 is okay?

15 DR. MELIUS: 7, 8, 9's okay.

16 DR. ZIEMER: Is 10 not good?

17 DR. MELIUS: 10 and 11 are bad.

18 DR. ZIEMER: Okay.

19 MS. MUNN: 1, 2, 3, 4 is okay?

20 DR. MELIUS: 1, 2, 3, 4 is okay, too.

21 MS. HOMER: Okay.

22 DR. ZIEMER: 1, 2, 3, 4 is -- February,  
23 first week of February?

24 DR. MELIUS: Tampa?

25 MS. HOMER: Yeah, I'll use the primary

1 and the alternate location selections you've  
2 made.

3 DR. ZIEMER: Incidentally --

4 MS. HOMER: One'll be --

5 DR. ZIEMER: Incidentally, that first  
6 week of February would include January 31st. I  
7 think that's one day of that week. Any conflicts  
8 on the 31st, so that's included as the... Okay,  
9 we'll see what's available --

10 MS. HOMER: Uh-huh.

11 DR. ZIEMER: -- that week. Maybe --  
12 which -- depending on whether D.C. or Tampa works  
13 out, then we can use the other one for the --

14 MS. HOMER: That's correct.

15 DR. ZIEMER: Okay, very good. Thank  
16 you.

17 MS. HOMER: Okay.

18 DR. ANDERSON: So which -- which days?  
19 The start of the first of the week?

20 DR. ZIEMER: She's got to check on hotel  
21 availability. That will influence it.

22 DR. MELIUS: Cori, could I ask you --  
23 that when we switch locations like we did for the  
24 next meeting or as soon as you pin down the  
25 dates, let us know --

1 MS. HOMER: I'll let you know.

2 DR. MELIUS: -- 'cause I heard by rumor  
3 and I -- it really disrupted --

4 MS. HOMER: It wasn't too much before  
5 you asked me, actually --

6 DR. MELIUS: No, I know, I know, but --

7 MS. HOMER: -- that I had booked it, so  
8 --

9 DR. MELIUS: I underst-- but I'm just  
10 saying in -- also if we keep a whole week open,  
11 then calendars fill up and --

12 MS. HOMER: Okay.

13 DR. MELIUS: -- as soon as we can pin  
14 down the actual dates, it's helpful.

15 MS. HOMER: Okay.

16 DR. ZIEMER: Okay, thank you. Cori has  
17 some additional --

18 MS. HOMER: I do.

19 DR. ZIEMER: -- things for us.

20 DR. MELIUS: And I will speak to the  
21 Chair of the Board of Scientific Counselors for  
22 NIOSH about his scheduling, also -- not letting  
23 us know about meetings.

24 MS. HOMER: To move on to other issues,  
25 for those of you that still have vouchers

1 outstanding, if you have not sent me voucher  
2 information this year or I'm waiting on signed  
3 vouchers, you need to forward those to me as soon  
4 as possible. We have fiscal year closeout, and  
5 it's a little earlier than usual this year. So  
6 if I haven't received any information from you by  
7 early September, I'm going to close out your  
8 voucher based on what information I have  
9 available.

10 In the future, travel orders and  
11 vouchers are going to be forwarded to you via e-  
12 mail. It's something that's been available for a  
13 while and I think some of you have sent that  
14 information when we're short of time. But it  
15 seems to be so much easier than Federal  
16 Expressing the materials to you. And I think all  
17 of you have the expense sheets by e-mail. If you  
18 don't, I'll be more than happy to send those to  
19 you.

20 I will keep a stock of return envelopes  
21 on hand, so just see me if you need them so that  
22 you can mail your vouchers back to me without  
23 having to pay for your postage.

24 Also, because we are --

25 MR. ELLIOTT: I need to reinforce that.

1           If you don't get your vouchers in, we're going  
2 to be pestering you.

3           MS. HOMER: Oh, yeah.

4           MR. ELLIOTT: Because I can't let Cori  
5 just finish them out without -- with whatever  
6 information she has. We will be pestering you.  
7 We do have to close out by the end of this fiscal  
8 year, and they've upped the time for closeout --  
9 instead of first of September -- right? It's --

10          MS. HOMER: I think it's the first of  
11 September.

12          MR. ELLIOTT: First of September now is  
13 the cutoff, so we have to get this done by the  
14 first of September.

15          MS. HOMER: Uh-huh. Because, again, of  
16 the short time frame for fiscal year closeout, I  
17 need to get your time as soon as possible. So  
18 we're going to go back to the old system we used  
19 to use; just write down your time, broken out by  
20 preparation -- subcommittee, for those that  
21 served on the subcommittee, preparation; and work  
22 group for those that served on the work group, so  
23 Larry can sign off on that and give it to me  
24 today and I'll be able to submit it on Monday  
25 when I'm back in the office, make sure that y'all

1 get paid.

2 Now for tour attendees for the tour of  
3 the Idaho National Engineering and Environmental  
4 Lab tomorrow morning, we need to be ready, in the  
5 lobby, by about 7:00, 7:05 a.m. They'll be  
6 sending a van by to pick us up. We'll be going  
7 to the local facility for a movie -- well, most  
8 of you I think have seen the agendas. If you  
9 haven't, I have them on file in back. If you ask  
10 me for one I'll be more than happy to provide you  
11 with it.

12 They have suggested, as usual, casual  
13 dress. It will not be a windshield tour. We  
14 will be going inside some of the facilities, so  
15 dress as comfortably as possible. They have  
16 suggested that no one wear anything polyester.  
17 They set off the geiger counters.

18 MR. PRESLEY: Radon.

19 MS. HOMER: That's exactly what she told  
20 me. You can take your phones with you in the  
21 van, but you will not be able to take them in the  
22 facilities, so any electronics you have -- it  
23 might not be a bad idea just to leave them at the  
24 hotel. And they suggested bringing an umbrella  
25 because it looks like rain, so -- any questions?

1 (No responses)

2 USE OF UNCERTAINTY IN DOSE RECONSTRUCTION

3 DR. ZIEMER: Okay. Thank you very much.

4 Okay, let's move on to the next agenda item  
5 then, which is a presentation by Jim Neton on use  
6 of uncertainty in dose reconstruction.

7 (Pause)

8 DR. NETON: Well, good morning. Thank  
9 you, Dr. Ziemer. The title of this session is  
10 use of uncertainty in dose reconstruction. This  
11 is something that the Board had some interest in  
12 at the last meeting and so I put together a  
13 number of slides to talk about an overview of how  
14 we actually assign uncertainty for different  
15 applications in the dose reconstructions. In the  
16 time I have allotted here I can't go into an  
17 extreme amount of depth, but maybe if I whet your  
18 appetites for any additional descriptions or  
19 whatever, we can address that maybe in future  
20 sessions.

21 So just some rudimentaries of what the  
22 uncertainty is all about in the dose  
23 reconstruction process. As you know, the IREP  
24 model itself and the way Congress enacted the  
25 statute was that we use the IREP model, which is

1 a Monte Carlo sampling program that applies  
2 uncertainty to the distributions for the risk  
3 coefficients. And in fact, the front end input  
4 to that model is the dose reconstructions, which  
5 we also use uncertainty distributions in that  
6 calculation. So some of this is probably a  
7 review for folks, but I just wanted to set the  
8 groundwork.

9 The value for the central tendency of an  
10 uncertainty distribution will represent our best  
11 estimate. So you know, we do go to some lengths  
12 to try to figure out what really is our best  
13 estimate of the worker's exposure at the  
14 facility, at that job during that time period.  
15 But then we can take advantage of the probability  
16 distribution functions within IREP to assign some  
17 uncertainty about that distribution to encompass  
18 the fact that we don't know exactly what  
19 happened. I mean I don't think anybody in this  
20 audience could say you know anything with any  
21 certainty, and the goal here is to address that  
22 uncertainty as quantitatively as possible, and  
23 when an exact quantitation's not possible, to  
24 incorporate claimant-favorable assumptions.  
25 That's always our overrid-- our over-arching

1 factor here is if we don't know, science can't  
2 inform us, we'll include some favorable  
3 assumptions in the uncertainty distributions.

4 The distributions that we employ, and  
5 I'll get into this a little later, vary  
6 considerably depending upon the application, what  
7 we are doing with that dose reconstruction.

8 I think we've all talked about the  
9 efficiency process and how we will make some  
10 worst-case assumptions at the beginning of dose  
11 reconstructions to see if, even under those  
12 worst-case considerations, a claimant is non-  
13 compensable or likely to be non-compensable; then  
14 we'll terminate the dose reconstruction. That's  
15 all written in some detail in our regulation, 42  
16 CFR part 82.

17 Under those conditions the distribution  
18 may be represented by a constant. I mean that is  
19 a distribution. The simplest distribution is a  
20 single value.

21 Conversely, if we don't have any  
22 information available for individual workers, as  
23 I discussed yesterday for -- when we use coworker  
24 data, we'll develop some model distribution based  
25 on the data available to us. If we have 5,000

1 samples, it may be that they best fit a lognormal  
2 distribution or normal or triangular or whatever.

3 One thing I do want to point out,  
4 though, the uncertainty in the organ dose is one  
5 of the many factors involved in the calculation  
6 of the excess risk -- excess relative risk.  
7 There are a huge number of variables in these  
8 calculations. And in fact, it's been our  
9 experience that for very uncertain cancer models  
10 where the models are not well known, the  
11 uncertainty in the dose distribution makes very  
12 little difference in the overall probability of  
13 causation. You can increase the uncertainty  
14 distribution by a factor of two or more, and as  
15 long as the central estimate stays the same, your  
16 probability of causation won't vary very much at  
17 all. That's because the over-arching  
18 contribution to the probability of causation, the  
19 uncertainty in that probability of causation, is  
20 the uncertain cancer model.

21 Early on we thought it would be best  
22 maybe to do a sensitivity analysis; to get our  
23 best bang for the buck, to go through and look at  
24 where we needed to focus on refining these  
25 uncertainty distributions where they made the

1 biggest difference. At the end of the day,  
2 though, there are so many factors involved that  
3 we could not predict with any certainty where --  
4 you know, where we should focus our efforts.

5           These are just some of the factors I've  
6 outlined that are involved in the uncer-- other  
7 sources of uncertainty in probability of  
8 causation. Of course the cancer model itself,  
9 the risk model, is uncertain. It's based on a  
10 finite number of cancers, primarily -- as we know  
11 -- from the Hiroshima/Nagasaki atomic bomb  
12 survivors. There are not a lot of cancers in  
13 those cohorts, and also there are issues of  
14 adjusting those cancers to transfer to the U.S.  
15 population. Of course the dose rate -- dose and  
16 dose rate effectiveness factor has uncertainty  
17 about it, as do the radiation effectiveness  
18 factors.

19           In fact, I've gone through and looked at  
20 this and, for example, a lot of our exposures are  
21 due to alpha radiation. And as we discussed at  
22 previous meetings, the radiation effectiveness  
23 factor in our model varies, unlike the regulatory  
24 framework that's used in the workplace where, for  
25 instance, one would assign a radiation ef--

1           they'll -- it'll be called a quality factor or  
2           radiation weighting factor. Regulatory purposes  
3           assign a quality factor of 20, so all doses will  
4           be multiplied by 20.

5                         In our scheme, the radiation  
6           effectiveness factor is allowed to vary somewhere  
7           between four and 100, with a best estimate around  
8           18. That uncertainty in itself adds a huge  
9           amount of overall uncertainty to the model. And  
10          in fact -- I'll talk about this a little later --  
11          for models like Bethlehem Steel, that is the  
12          largest single contributing factor to the overall  
13          uncertainty for some cancer estimates. It was  
14          over 58 percent of the uncertainty in the PC  
15          calculation was due to the radiation  
16          effectiveness factors in certain instances.

17                        So it's a very complex issue. I guess  
18          I'm trying to lay the framework here that there's  
19          no simple -- simple discussion on this.

20                        Okay. The uncertainty distribu-- there  
21          are a large number of uncertainty distributions  
22          available to statisticians and those who do model  
23          data. These are examples of the ones that we've  
24          used in dose reconstructions thus far. I've  
25          mentioned that constant. That falls out from the

1       -- you know, the worst-case assumptions that we  
2       use, we'll assign a constant and move forward.  
3       The log -- the normal distribution, which of  
4       course is a bell-shaped curve that we may all be  
5       familiar with that has a central tendency and be  
6       characterized by the average value and some  
7       estimate of standard deviation -- how tightly  
8       that data is grouped about this little bell-  
9       shaped curve.

10               And the lognormal, which is really sort  
11       of a special case of the normal. The data tend  
12       to be skewed towards the lower values, and then  
13       there'll be a few outliers at the upper tails --  
14       not a few, there will be outlier -- I guess I  
15       shouldn't call them outliers. There will be  
16       values at the upper tails. That typically is a  
17       distribution that's observed in many, many  
18       workplace environment exposure conditions, and in  
19       fact most environmental conditions where you'll  
20       have a lot of values that are grouped fairly  
21       close, but then you have some processes or  
22       parameters that are unknown that just add  
23       uncertainty and create these larger values.

24               The triangular distribution, which we've  
25       taken advantage of in some of the exposure models

1       -- and I'll talk about that later -- in my mind  
2       is really a sort of a claimant-favorable version  
3       of the lognormal in the sense that a lognormal  
4       distribution has a sort of a bell-shaped curve  
5       and then a log tail. With the triangular, you  
6       only know -- you only have to specify the  
7       minimum, the mode and the maximum value. So you  
8       have the smallest value, the most frequently-  
9       occurring value, and then the highest value, so  
10      you have sort of this triangle, and that triangle  
11      can be skewed one way or the other, depending on  
12      where you pick that middle value. That could be  
13      construed to look like a lognormal, except that  
14      you don't have the declining tail, so that you  
15      sort of extend the upper -- the distribution of  
16      the upper values is extended out further in -- in  
17      -- on the X axis. I've got a couple of pictures  
18      of this that will maybe help explain it a little  
19      better.

20                I just throw this up here because this  
21      is -- this is the efficiency process that's  
22      included in our implementation guide, and just to  
23      point out, you know, why -- how this would work  
24      for a constant. As we all know, with the  
25      efficiency process we pick the worst-case

1 assumption. For external, say we feel that's the  
2 most likely mode of exposure, you add up all the  
3 doses based on those worst-case assumptions. If  
4 it's a low probability, you do the same for  
5 internal, and if it's low, you're done. If by  
6 assigning a constant to all these values the  
7 person ends up at ten percent, there's no reason  
8 to move forward. That's a great idea, and one  
9 would argue why not just assign a constant to  
10 everybody. Well, the problem is, in some of  
11 these calculations a constant is used six or  
12 eight times. And as was learned early on in the  
13 EPA modeling, if you keep using a constant every  
14 step along the way, then you end up with some  
15 really improbable value at the end of the day.  
16 So that's when we would back off and then use the  
17 uncertainty propagation using Monte Carlo  
18 techniques.

19 This just sort of defines how we use the  
20 constant for a worst-case assumption. This is  
21 just a quotation out of the regulation. It  
22 essentially says the highest reasonably possible  
23 value based on reliable science, documented  
24 experience and relevant data. In essence, we're  
25 saying we wouldn't use some absurd value. We

1 wouldn't pick a million rem or something like  
2 that. We would evaluate the workplace  
3 environment and pick the highest value that would  
4 make sense, given that exposure scenario.

5 Okay. This gets into a little bit about  
6 the -- I'm glad it's early in the morning. I  
7 hope everybody's had a little coffee. These are  
8 -- the titles are hard to read, but the  
9 distributions I think are fairly visible. And I  
10 just wanted to point out some examples of some  
11 distributions. For example, this would be a  
12 normal distribution, a nice bell-shaped curve.  
13 This is an example of -- a fairly good example of  
14 a triangular distribution where you have a  
15 minimum value, the mode -- the most frequently-  
16 occurring probability value, then the highest  
17 value we could conceive of assigning. This is a  
18 nice example of a lognormal. You can see it  
19 looks sort of like a normal in this area, but the  
20 you have this tail out here where there are  
21 straggling values that add to the overall  
22 uncertainty, so you've got the three.

23 Now what I wanted to point out, too, I  
24 alluded to earlier is why not use a constant at  
25 every step along the way. You can do that. For

1 instance, this is -- this is right out of our  
2 implementation guide for external dosimetry. If  
3 one wants to do a fully-researched dose  
4 reconstruction, this is what we would do for an  
5 external dose. You would take the dosimeter  
6 reading, the value that's on the badge -- and  
7 that has some distribution about it; let's say  
8 that's plus or minus 20 percent. Now you take  
9 the work -- the conversion of the dose -- the  
10 measurement on the dosimeter to some value to the  
11 tissue -- to the -- the regulatory value, the  
12 rem, the radiation equivalent man value. That  
13 has an uncertainty distribution about it, and  
14 then you end up with the dosimeter dose. But  
15 then you have to propagate in -- let's say this  
16 person -- this was their actual readings on the  
17 dosimeter. Now you have readings that were  
18 recorded as zero. They were sensor(censored)\*  
19 data. There's some missed dose that we have to  
20 add in. This in fact would be our estimate of  
21 the distribution of missed doses. The most  
22 frequently-occurring value here would be the  
23 limit of detection divided by two, and the 95th  
24 percentile tail out here would be the limit of  
25 detection times n, the number of dosimeters, so

1 we would generate this lognormal distribution.  
2 Then you have to convert the missed dose again to  
3 some value of badge reading to actual dose to the  
4 organ, come up with that dose. And then you've  
5 got the same situation with the environmental  
6 dose.

7 So my point here is you've got six  
8 different parameters that overall end up with a  
9 propagated uncertainty distribution. If we --  
10 and we do this for certain cases. We can take --  
11 on a worst-case assumption we will take the  
12 highest value of each of these distributions, run  
13 them through the probability of causation  
14 calculation, demonstrate that the person's PC is  
15 less than ten percent, 20 percent. We don't have  
16 to go through these iterations, which are very  
17 time-consuming. To do each of these runs a  
18 couple of thousand times, propagate this run  
19 through and then you end up with this  
20 distribution, which you have to characterize -- I  
21 would say that this pretty much looks like a  
22 lognormal distribution, which it probably is; we  
23 would analyze it, of course, with some formulas  
24 to determine that -- and then that would be the  
25 input term for this person's bone marrow dose.

1           So that's how uncertainty distribution is handled  
2           within the actual external dose calculation.

3                       Now if you get to internal dose, that's  
4           a whole different world. I mean those of you who  
5           have done anything with internal dose recognize  
6           that coming up with an internal dose value has a  
7           lot more -- more assumptions involved in the  
8           calculation than in the external arena. So what  
9           we've done to simplify the calculation is that  
10          we've considered all internal doses to be  
11          lognormally distributed with a geometric standard  
12          deviation of three. I'll explain, in practical  
13          terms, what that means in the next slide. This  
14          gets us out of the arena of trying to account for  
15          the tens of different values that have uncertain  
16          distributions in an internal dose calculation.  
17          You have uncertainty in the metabolic models, you  
18          have uncertainty in the values that were  
19          measured, obtained -- you know, internal doses  
20          are, by nature, indirect measurements. You can't  
21          measure the internal dose to an organ with a  
22          probe. You have to take a urine sample or a  
23          fecal sample or something like that, so you have  
24          the uncertainty in that measurement. You have  
25          the uncertainty in once it gets in a lung, how

1 fast does it leave the lung. All these  
2 parameters have uncertainty.

3 We didn't pick this number out of a hat,  
4 though. I mean there are some scientific  
5 publications out there that do point to the fact  
6 that a geometric standard deviation of about  
7 three is pretty reasonable. In fact, it's  
8 probably a very fair, if not moderately claimant-  
9 favorable, assumption. Using this assumption  
10 results in a range of values spanning several  
11 orders of magnitude at the -- there's a piece  
12 missing here -- the 99 percent confidence  
13 interval.

14 This is what I mean by that. This is a  
15 lognormal distribution. This would be -- this is  
16 not IREP. This is a program called Crystal Ball,  
17 for those of you who may have Excel spreadsheets.

18 It's a nice little add-on package that you can  
19 take and propagate uncertainty with any -- any  
20 distribution that you can -- that you'd want to  
21 use, using an Excel spreadsheet.

22 And so here's an example of -- let's say  
23 that we did an internal dose calculation for an  
24 organ and we thought that the best estimate, the  
25 geometric mean of that distribution was 1,000

1 millirem, and we're going to assign it in the  
2 IREP input file with a geometric standard  
3 deviation of three. In practical terms, what  
4 that means is we know this value within a range  
5 of times three/divided by three. So we know this  
6 value at one standard deviation, which is 65  
7 percent of the values within a factor of three.  
8 So by definition, at three standard deviations,  
9 we know this within a factor of nine in either  
10 direction. So in practice, what this means is  
11 the 99th percentile upper tail would be sampled  
12 at 9,000 millirem and the lower tail would be  
13 1,000 divided by nine. I haven't done the math,  
14 but it's somewhere above 100 millirem. So  
15 somewhere slightly above 100 millirem to 9,000  
16 millirem is the range of doses that we would  
17 assign, given that our best estimate was 1,000  
18 millirem.

19 That's a pretty wide range. I mean  
20 we're basically saying we don't know this value  
21 very well, which is the case for internal  
22 dosimetry. There are a lot of uncertainties  
23 about these calculations. Every single -- and  
24 Dick can correct me if I'm wrong on this. I  
25 think every single internal dose that we put in

1 has at least a GSD of three associated with it.

2 Now let me just turn to the uncertainty  
3 in exposure models. Remember I said the  
4 distribution used depends a lot on the  
5 application. What I pointed out to you was the  
6 uncertainty that we would use when we were doing  
7 a somewhat fully-researched dose reconstruction,  
8 something that we had external badge  
9 measurements, we had urine samples. In many  
10 cases for atomic weapons employers and others, we  
11 have no real monitoring data for the individuals.

12 We have maybe a distribution of air samples. In  
13 that case we would develop an exposure model.  
14 That exposure model would be applied to the work  
15 force.

16 Now there are a lot of different flavors  
17 of exposure models one can develop. You can do,  
18 in the case of Blockson Chemical -- or Bethlehem  
19 Steel, an exposure model that covers all workers,  
20 because we do not know at Bethlehem Steel where  
21 the workers were in space and time in relation to  
22 their work environment. We don't necessarily  
23 know. That information was not collected with  
24 any certainty.

25 So in that case, we will develop a

1 distribution from the air samples that will cover  
2 the range of workers. And as I said, remember,  
3 the best estimate -- our best estimate is -- the  
4 best estimate for a triangular distribution would  
5 be the mode. And so in the case of Bethlehem  
6 Steel -- you can't see it very well on this  
7 slide, but in the case of Bethlehem Steel, we  
8 feel the best estimate for exposure was two times  
9 the maximum allowable air concentration at that  
10 facility. That was based on the air samples that  
11 we had available at the plant.

12 And we've gone over this in previous  
13 Board meetings. I'm just going to refresh your  
14 memory. We also believe that our best estimate  
15 for the maximum credible air concentration in  
16 that facility is 1,000. This 1,000 was not even  
17 taken at Bethlehem Steel. It was actually taken  
18 at Simonds Saw & Steel at one of the processes,  
19 but we felt that there was enough uncertainty in  
20 our knowledge of the Bethlehem Steel air sample  
21 distribution to incorporate this, just to make  
22 sure that we covered the bases, that we weren't  
23 biasing these results on the low side -- even  
24 though, given -- remember, our best estimate of a  
25 work exposure is two.

1           Some have led -- this has led some to  
2           the conclusion that if your best estimate is two  
3           -- this is the highest value on the curve -- then  
4           that's what's being used to do the calculation of  
5           probability of causation. That's what's used to  
6           calc-- that's not even close to the reality of  
7           the situation. It's a fairly complicated  
8           scenario, but the best I can present it is that  
9           what happens is in most cases what ends up being  
10          used is -- the mean value of this distribution,  
11          by the way, is 335 times the maximum allowable  
12          concentration. The median value is really what  
13          ends up being used, the value at which 50 percent  
14          are below and 50 percent are above. So if you  
15          have, for example, a cancer model that you're  
16          running the calculation, it's almost equivalent  
17          as if you put in 300 times the maximum allowable  
18          air concentration in the probability -- in the  
19          IREP calculation, is the way it's sampled.

20                 That depends a lot, though, on the  
21                 uncertainty of the cancer model. The more  
22                 uncertain the cancer model, the more this 300  
23                 becomes the best estimate, because this  
24                 uncertainty is dwarfed by the uncertainty in the  
25                 cancer models and all the other coefficients.

1 Remember, I said that if your cancer model's very  
2 uncertain, your best estimate -- the middle value  
3 of the distribution ends up being the driving  
4 value in the uncertainty distribution.

5 It varies, though, if the cancer models  
6 are better known, then this starts to contribute.

7 But nonetheless, somewhere in this range is what  
8 ends up being assigned to the workers.

9 We've developed several of these  
10 exposure models for Bethlehem -- for some of the  
11 AWEs, Bethlehem Steel and Huntington Pilot Plant  
12 I think is one of them, Blockson has one of these  
13 type exposure models. We believe we cover the  
14 range. Again, if the probability of causation is  
15 calculated to the 99th percentile, it's being  
16 driven by some fairly high values that we believe  
17 are claimant-favorable. And in fact these val--  
18 this value is assigned to every single worker at  
19 the plant, regardless of whether -- of where they  
20 worked in the operation, if they were a rad  
21 worker or not, 'cause we don't know, so we would  
22 just assign that.

23 It's a fairly complicated issue, but I  
24 think I hit the highlights there.

25 Let me back up. I think I missed one

1 point I wanted to make on internal. No, I guess  
2 I didn't.

3 Okay, that's all I had prepared to talk  
4 about formally. I thought this might spur some  
5 conversation and discussion, so I'll stop there  
6 and answer any questions.

7 DR. ZIEMER: Thank you, Jim. Very  
8 stimulating presentation. Let's see what  
9 questions we have this morning. Any -- yes, Jim  
10 Melius.

11 DR. MELIUS: Yeah, this assumption of  
12 internal dosimetry, the lognormally geometric  
13 standard deviation of three, it would seem to me  
14 that that would depend on the type of internal  
15 dosimetry test. I mean I don't know much about -  
16 - I've -- there aren't -- their distributions,  
17 but it would seem to me that some are more  
18 accurate than others.

19 DR. NETON: Yes.

20 DR. MELIUS: You know, like the  
21 difference between a spot urine sample and a 24,  
22 some -- I mean I'm sure there are others -- other  
23 examples --

24 DR. NETON: Yeah.

25 DR. MELIUS: -- and so I guess my

1 question is -- is there really sort of a range of  
2 -- should this be adjusted for different types of  
3 tests or what's the...

4 DR. NETON: If we did adjust it, I'd say  
5 we'd adjust it downward, we'd tighten it. This  
6 would represent, in my mind, the upper range for  
7 some of the worst type of analyses, like  
8 plutonium -- the actinides, those -- so if we're  
9 talking about taking a urine sample where one  
10 millionth of the intake is being excreted in the  
11 urine at any given time, that kind of situation.

12 I will say I mis-spoke slightly, though,  
13 that the tritium model is much simpler, and we do  
14 apply or are in the process of applying a  
15 different uncertainty distribution for tritium  
16 because that distributes itself uniformly through  
17 the whole body. It mimics hydrogen or water by  
18 that point, and so the water distribution of the  
19 body in your excretion is known to a somewhat  
20 better degree than a GSD of three, and we've  
21 actually developed a Technical Information  
22 Bulletin to address that.

23 I think the answer to your original  
24 question is, I would say that there are better  
25 estimates for some of the nuclides -- like cesium

1 is easier to measure, those type nuclides. This  
2 GSD of three I think covers a myriad of  
3 possibilities and does address, I think, the  
4 worst case -- worst cases out there. In fact,  
5 the analysis -- one of the analyses that we're  
6 quoting was a GSD of three that was quoted based  
7 on -- was it the atomic veterans analysis that  
8 was done -- Health Physics published some  
9 articles about -- this has nothing to do with the  
10 DTRA program. This is a peer-reviewed analysis  
11 of how well you could reconstruct doses from the  
12 atomic veterans using things like lung counting  
13 and urine sampling, and that's where a value -- a  
14 GSD of three was provided.

15 DR. MELIUS: And how about -- that was -  
16 - I'm thinking of changes over time and  
17 techniques and...

18 DR. NETON: I think the overall  
19 uncertainty in the measurement -- as you get  
20 lower and lower and closer to background, of  
21 course, uncertainty goes up. And as you go back  
22 in time, the uncertainty goes up because the  
23 detection limits weren't as good, maybe. But  
24 really, those are small, compared to the  
25 differences in metabolic models, breathing rates

1 -- you know, all those other factors. That's why  
2 we're saying within a factor of ten, 20, 100, you  
3 know. You incorporate all those uncertainties in  
4 there and you end up with -- you know, I really  
5 believe that you had 1,000 millirem but I can't  
6 tell you if -- it's somewhere between 100  
7 millirem and 9,000 millirem. We're pretty  
8 certain we've got that bracketed. And under the  
9 way the IREP program works, you punch that in  
10 there, it's sampling those high values a certain  
11 percentage of the time. And of course the  
12 ultimate decision is basically the 99th  
13 percentile. I can't say that that's going to  
14 drive the PC calculation home, because again, it  
15 may be -- even with that uncertainty, the over-  
16 arching uncertainty in the calculation is the  
17 risk model. These uncertain risk models -- I  
18 can't over-emphasize their contribution. We have  
19 had cases where the best estimate, the 50th  
20 percentile, is in the low percentages -- one,  
21 two, three percent; 99th percentile is over 50.  
22 And that's not because of the dose  
23 reconstruction. It's because the risk model, the  
24 uncertainty and all the other -- the transfer  
25 fac-- all that -- the radiation effectiveness

1 factors -- so in reality, this is one component  
2 of the risk. I don't say it's a small component,  
3 but it is in many cases. And where it is a major  
4 component, I think we've got it covered with  
5 these distributions.

6 DR. ZIEMER: Thank you. Mark.

7 MR. GRIFFON: Do -- yeah, I'd be  
8 interested in the references, too, at some point,  
9 for -- to support that GSD of three.

10 The other question I have was did -- I  
11 know at one point IMBA -- the authors of IMBA  
12 were going to construct some uncertainty analysis  
13 functions into IMBA so that you could propagate  
14 it. I'm not saying I disagree with the use of  
15 this, but did they -- was that ever achieved or  
16 have they --

17 DR. NETON: Well --

18 MR. GRIFFON: -- or does your current  
19 version of IMBA --

20 DR. NETON: The current version --

21 MR. GRIFFON: -- allow you to...

22 DR. NETON: -- of IMBA has a function  
23 that is a maximum likelihood estimator, but that  
24 really addresses only one component and that is  
25 the extrapolation of all the bioassay samples to

1 the intake. So if you have six bioassay samples  
2 that you've taken on a person, they fit some  
3 curve, and you're fitting these functions to it,  
4 it will propagate or estimate the uncertainty in  
5 that intake estimate. But that's -- again,  
6 that's just one factor of all of these myriad of  
7 factors that include metabolic models and all  
8 that kind of stuff. So reality is, we don't --  
9 we don't use that function. We've been sticking  
10 with this.

11 We have looked at it. We've looked at  
12 all kinds of possibilities, and we believe to be  
13 the most straightforward is just to assign this  
14 distribution to the internal dose.

15 DR. ZIEMER: Larry.

16 MR. ELLIOTT: Jim, would you comment on  
17 the sensitivity analysis function of IREP and  
18 what that really points to when you run that?

19 DR. NETON: Oh, okay. Yeah. Owen  
20 Hoffman's sitting here. He's probably better  
21 qualified to speak on that than I am, but there  
22 is, under the advanced features of IREP, after  
23 you do an IREP run, you can click on this button  
24 and it will give you the relative contribution to  
25 the overall uncertainty for a number of factors.

1           One is the cancer model, the risk model, and  
2           then all those modifiers of the excess relative  
3           risk function are in there. It also has the  
4           contribution to the relati-- radiation  
5           effectiveness factor and the contribution to the  
6           radiation dose. So anyone can do this. YOU can  
7           do an IREP run for any case that's been -- been  
8           run, click on the advanced function -- advanced  
9           features function and look at where -- you know,  
10          what's driving the uncertainty in this  
11          calculation. And that's what I've done. We've  
12          done these sensitivity analyses and there's no  
13          clear pattern. That's the problem. Because  
14          there's so many -- the latency is built in there,  
15          age at exposure, the incidence adjustments, all  
16          those other factors.

17                   I guess I'd like to ask Owen if he's got  
18                   anything else to add about the sensitivi-- the  
19                   advanced features. I mean did I portray that  
20                   properly, Owen, or...

21                   DR. ZIEMER: Grab a mike there, please,  
22                   Owen.

23                   DR. HOFFMAN: Actually it's a thrill for  
24                   me to sit in the back of the audience and hear  
25                   this presentation because it's been one of the --

1 my -- my areas of my career where I've been a  
2 strong advocate is explicit incorporation of  
3 uncertainty as probability distributions,  
4 including the uncertainty on the dose.

5 Yes, in IREP there is an advanced  
6 feature that does a sensitivity analysis. And  
7 what that does is it -- it apportions the  
8 uncertainties of the various components of IREP  
9 and the uncertainty on the dose input to see  
10 which contributes most to the overall spread of  
11 values. Now that's not the same as to say which  
12 one contributes most to the 99th percentile of  
13 PC. So if you're interested in what contributes  
14 most to the 99th percentile of PC, go back into  
15 the model and fix a value as a constant and see  
16 what difference it makes to the 99th percentile  
17 of PC. It's a little bit more complicated  
18 calculation.

19 I'd just like to mention, Jim, that in  
20 some of our analysis of internal dosimetry for  
21 some of the transuranics, you might get GSDs  
22 somewhat greater than three. But for things like  
23 iodine 131, strontium 90, cesium 137 and tritium,  
24 the GSDs will be much lower than that, when  
25 you're taking into account just the internal

1 dosimetric model. But that's exclusive of the  
2 uncertainty in the intake. So oftentimes the  
3 uncertainty in the intake will dominate over the  
4 uncertainty in the internal dosimetric model.  
5 But that won't necessarily be the case for things  
6 like plutonium.

7 DR. NETON: Right. There's --  
8 unfortunately there's not a ton of literature out  
9 there on this. This is not an area that's been  
10 explored in a lot of detail, and I believe that  
11 we're somewhat blazing the trail here in this  
12 area. And as we learn, we're certainly going to  
13 modify.

14 DR. ZIEMER: Thank you, Owen, for that  
15 added comment.

16 Other questions?

17 (No responses)

18 DR. ZIEMER: There appear to be none.  
19 Thank you again, Jim. We appreciate that.

20 SCIENTIFIC RESEARCH ISSUES UPDATE

21 Next we're going to have an update on  
22 scientific research issues, and this'll be  
23 presented by Russ Henshaw.

24 MR. HENSHAW: Can you hear me? I don't  
25 know if this is up...

1                   Well, good morning to the Board. I'm  
2                   the epidemiologist with NIOSH Office of  
3                   Compensation Analysis and Support. I've been  
4                   more or less the one-man shop there for the three  
5                   years of the program's existence. We are hiring  
6                   another person, and I'll get into that a little  
7                   later.

8                   I wanted to give you a brief update on  
9                   our research projects, where we are. I thought  
10                  I'd start with the lung cancer model. As you  
11                  know, we talked about that in prior meetings.  
12                  And just to recap, there is another version of  
13                  IREP known as NIH-IREP, which is maintained by  
14                  the National Cancer Institute, NCI. As you know,  
15                  late last year NCI revised their lung model  
16                  according to a published analysis of the Japanese  
17                  survivor data. It was a study published in  
18                  Radiation Research in 2003. Based in part on  
19                  that, but also on an additional specially-  
20                  commissioned analysis, and also they based it on  
21                  professional judgment by the scientists at NCI.

22                  We have not followed suit on that.  
23                  Instead we've chosen to let the dust settle and  
24                  evaluate that model for possible application to  
25                  our EEOICPA-covered work force.

1           The difference between the -- then --  
2           the change made in late 2003 -- the difference in  
3           probability of causation between their version  
4           and our version of IREP was mainly a difference  
5           between smokers and non-smokers. In NIH-IREP the  
6           PC results are generally more claimant-friendly  
7           to male smokers and to females exposed at younger  
8           ages. NIOSH-IREP remains generally more  
9           claimant-friendly to male non-smokers and to  
10          females exposed at older ages.

11           Well, we learned, since the last Board  
12          meeting, that NCI has opted to make a further  
13          change to their lung model. Specifically, they  
14          decided to adjust for internal exposures -- that  
15          is chronic exposures to alpha radiation. The  
16          reported effect of that change is to smooth out  
17          the differences in probability of causation  
18          results at the 99th percentile credibility limit  
19          for smokers and non-smokers. In fact, my  
20          understanding is that the difference is  
21          practically negligible -- or at least minimal.

22           I do have an update. I just learned  
23          from talking with Owen at this meeting that that  
24          change went into effect last week -- the change  
25          in exposure to alpha radiation. So what we've

1 done when we learned about this, basically we put  
2 it on hold and decided to wait until they made  
3 their additional change, and then resume our  
4 evaluation -- which we are in the process of  
5 doing. We have a preliminary report from SENES  
6 exploring the differences in the two models and  
7 with certain recommendations, and that's in  
8 internal review right now within OCAS.

9 Secondly, you might recall we have a  
10 project going on re-evaluating DDREF, the dose  
11 and dose rate effectiveness factor. Just for  
12 those of you not familiar with that, I know the  
13 Board is familiar with it, but DDREF is in effect  
14 an adjustment factor that's built into IREP to  
15 account for the differences in exposures of the  
16 Japanese survivors compared to U.S. nuclear  
17 weapons workers. Specifically, the Japanese  
18 cohort was exposed primarily to acute doses of  
19 radiation at relatively high dose rate --  
20 basically intermediate rate to high. Whereas the  
21 work force covered by our program -- exposed  
22 mostly to a chronic lower dose rate radiation.  
23 What DDREF adjustment does is basically account  
24 for the presumption that the risk per unit dose  
25 of radiation is less at low dose/low dose rate

1 than at acute high dose rate.

2 Now although the ICRP recommends a DDREF  
3 of two, what we opted for in creating NIOSH-IREP  
4 was to use a more claimant-friendly uncertainty  
5 distribution -- there's actually two uncertainty  
6 distributions in IREP. They apply to solid  
7 tumors only, not to the leukemias. And our  
8 distributions are weighted mostly between values  
9 of one and two.

10 At any rate, that was a controversial  
11 issue at the time the probability of causation  
12 rule was published and at the time of creation of  
13 NIOSH-IREP, as you all know.

14 I know this is of interest to the Board,  
15 but it's also of great interest to us. We  
16 thought it was time to take a fresh look at  
17 DDREF, re-evaluate our assumptions and, based on  
18 that re-evaluation, possibly propose an  
19 adjustment to the DDREF.

20 Where we are right now is that we  
21 received a preliminary report from SENES in May,  
22 just two and a half or three months ago -- a very  
23 complex and lengthy report, 88 pages long. It's  
24 still within an internal review in OCAS. We hope  
25 to complete our review and submit our comments to

1        SENES shortly -- hopefully, actually, within the  
2        next week or two. I've got this month on that  
3        slide. That may turn out to be true.

4                And ultimately we do intend to submit  
5        any findings or recommendations to outside  
6        experts, either via a panel or possibly  
7        commission subject matter experts to  
8        independently review our findings. We're not  
9        sure yet. It's going to depend more or less on  
10       the ultimate report after a back-and-forth  
11       between OCAS and SENES.

12               I talked at a previous meeting about our  
13       intention to upgrade NIOSH-IREP with the new  
14       version of Analytica. Analytica is the software  
15       package that functions as the computational  
16       engine behind IREP. At the time I prepared this  
17       slide, we had a projected implementation date of  
18       August 20th. I'm happy to report that we did go  
19       through with that on the 20th and transition went  
20       smoothly, no reported problems. And our own  
21       tests have shown that this new version actually  
22       processes cases at two or three times as fast as  
23       the old version. But more importantly, we can  
24       now process cases with 500-plus rows of exposure  
25       information. Previously that was very difficult

1 to do and took -- if it could be done at all, it  
2 frequently took 30 or more minutes. And in  
3 instances where we increased the simulation  
4 sample size to 10,000, a claim simply could not  
5 be processed at all. We reached a capacity limit  
6 and a time-out problem.

7 We've also -- in conjunction with that,  
8 we've changed the NIOSH-IREP version number to  
9 5.3. The previous number was 5.2.1.

10 Also, as I mentioned in the e-mail to  
11 the Board, the IREP summary reports now include  
12 the Analytica version number printed on the top  
13 of each summary report. Just -- avoid confusion,  
14 there's -- there's an IREP version number and an  
15 Analytica version number. Again, NIOSH-IREP is  
16 at 5.3. Analytica is -- version number is 3.0.

17 We did begin interviewing for a research  
18 health scientist position. We began mid-August.

19 Those interviews are actually still proceeding,  
20 but we should have -- should have the whole  
21 process wrapped up within a couple of weeks, I  
22 believe. And barring unforeseen circumstances, I  
23 would expect the new person to be on board prior  
24 to the next Board meeting, and I assume will  
25 probably be at the next Board meeting.

1           This person's primary duty will be  
2 applied research, as opposed to unending pure  
3 research. And I mention on the next slide, the  
4 first project will be to conduct a feasibility  
5 study of current occupational dose-response data.

6           Incorporation of occupational studies  
7 into our risk models has been a primary interest  
8 of the Board. It is of major interest to OCAS,  
9 as well. We will begin that project this year.  
10 I do want to just remind everyone, though, that  
11 the probability of causation rule went into  
12 effect just two years ago. At the time the rule  
13 was promulgated, the decision had been made by  
14 NIOSH that the current state of knowledge of U.S.  
15 occupational studies was insufficient to  
16 incorporate it into our risk models.

17           I might add also as recently as late  
18 last year when NCI is-- the NCI/CDC working group  
19 issued its report to revise the 1985 radioepi  
20 tables, they commented that at that time, less  
21 than a year ago, that estimates based on low dose  
22 studies are far too imprecise to be used in risk  
23 modeling. Well, that may be the case, but  
24 nonetheless, we do think it's time to take  
25 another look at it, and we'll begin with a

1 feasibility study. And if the -- that study  
2 indicates that there is a sufficient quality and  
3 quantity of dose-response data among occupational  
4 cohorts, we will launch into the next phase to --  
5 which would be to incorporate that data as a  
6 supplement to our risk models wherever that may  
7 be possible.

8           Grouping of rare and miscellaneous  
9 cancers, that was another priority item that the  
10 Board identified. As you recall, the cancers  
11 were originally allocated to risk groups based on  
12 epidemiological data mostly, but also biological  
13 plausibility and uncertainties. And I do want to  
14 clarify, by the way, an issue that came up in the  
15 subcommittee meeting two days ago when Larry  
16 asked a question about the risk group for rare  
17 and miscellaneous cancers. There are two things  
18 going on here. There are 32 IREP risk models,  
19 but each of those models falls into one of three  
20 major risk groups. Or if it doesn't, into a  
21 separate -- a separate risk group. And I just  
22 want to summarize those risk groups now.

23           The three main ones we call -- group one  
24 is a group that includes breast cancer, digestive  
25 cancers, and it depends -- that risk model

1 depends on age at exposure and age at diagnosis.

2 The group two cancers depend on age at  
3 exposure and age at diagnosis, but also  
4 incorporates an age-independent excess relative  
5 risk per sievert, as multiplied by an age-  
6 dependent modifying factor. And that group  
7 includes cancers such as bladder, connective  
8 tissue, esophagus, eye, many other sites.

9 Group three cancers characteristic --  
10 the major characteristic is that the excess  
11 relative risk per sievert is constant for all  
12 ages at exposure and attained age. There's no  
13 age dependency. And that group includes female  
14 genitalia, less ovary, and lung cancer.

15 There are nine additional risk models  
16 that we loosely call group four, but each has a  
17 unique -- a unique risk model.

18 I might add that I think this  
19 exploration of -- or re-evaluation of how these  
20 cancers are grouped I believe dovetails into the  
21 feasibility study of occupational cohorts. I  
22 don't see why we can't look at both of these  
23 issues, if not simultaneously, at least in  
24 conjunction with each other. And I think there's  
25 a good deal of interplay there that needs to be

1 studied. In fact, the more I think about this, I  
2 don't think we can really look at the two issues  
3 independently.

4 I have on the slide that that project is  
5 in the planning stage, but really it's really in  
6 the beginning stages. I expect a preliminary  
7 report from SENES very shortly.

8 Projects I did not mention on the slides  
9 -- three, to be specific. This is late-breaking  
10 news. We intend to conduct a review of the  
11 choice of organ sites for dose reconstruction.  
12 Again, this is not for IREP risk modeling, but  
13 the choice of the appropriate organ for  
14 conducting the dose reconstruction. There may be  
15 instances, for example, where the choice of organ  
16 for dose reconstruction possibly conflicts with  
17 the way the respective IREP cancer model is  
18 allocated to a risk group. There may be  
19 instances where one could choose between two or  
20 three organ sites for conducting dose  
21 reconstruction, and maybe it's a judgment call.  
22 We want to re-evaluate those situations and make  
23 sure that if we're using an organ that's perhaps  
24 less claimant-friendly than another that there's  
25 a sufficient scientific rationale for that. Or

1 if not, change it.

2 We also need to look at the -- our  
3 latency adjustment for bone cancer. That's a --  
4 there's a current difference in the latency  
5 adjustments in NIOSH-IREP as opposed to NIH-IREP.

6 NCI decided that the bone cancer model -- the  
7 latency adjustment for the bone cancer model more  
8 properly falls into a latency adjustment used for  
9 thyroid cancer. We have not made that change,  
10 but we need to evaluate that and make a decision.

11 And finally, as you all know, the Health  
12 Energy-related Research Branch in NIOSH received  
13 some funds to conduct studies of CLL. They had a  
14 public meeting last month. Three representatives  
15 from OCAS attended that meeting and I guess --  
16 not much more we can say about that at this point  
17 except that presumably there'll be a report  
18 issued from that meeting and we will proceed from  
19 there.

20 That's really all I have at this time.  
21 I'd be happy to entertain any questions.

22 DR. ZIEMER: Russ, would you mind just  
23 repeating the variables on your second group?

24 MR. HENSHAW: Sure. I didn't name all  
25 of them. It's quite a bit, but --

1 DR. ZIEMER: The main ones that you had  
2 identified.

3 MR. HENSHAW: Bladder cancer --

4 DR. ZIEMER: No, not the organs, but the  
5 variables.

6 MR. HENSHAW: Oh, I'm sorry. The excess  
7 relative risk per sievert depends on age at  
8 exposure and age at diagnosis, but an age-  
9 independent excess relative risk per sievert is  
10 multiplied by an age-dependent modifying factor.

11 DR. ZIEMER: Thank you.

12 MR. HENSHAW: Group three is the only  
13 one of the three main groups with no --

14 DR. ZIEMER: Constant with age.

15 MR. HENSHAW: -- dependency on age.

16 DR. ZIEMER: Thank you. Other questions  
17 or comments? Yes, Jim.

18 DR. MELIUS: Just more of a comment.  
19 Would it be possible on the -- since we're -- I  
20 think we're meeting in Washington next time -- to  
21 get a presentation from NCI or whoever needs to  
22 be involved on the smoking adjustment lung cancer  
23 issue? I don't know if the timing's right in  
24 terms of your reports that you're receiving, but  
25 there might be an opportunity to have them come

1 and explain it.

2 DR. ZIEMER: Have they basically  
3 finished their work on that issue or --

4 MR. HENSHAW: My understanding is that  
5 final adjustment just went into effect last week.

6 They call their report an interim report,  
7 pending release of BEIR VII and so forth, but --  
8 yeah. The last I heard, by the way, is that BEIR  
9 VII is expected out late this year or early next  
10 year. Does anyone have an update on that?

11 UNIDENTIFIED: We've heard that before.

12 DR. MELIUS: As Cori says, check's in  
13 the mail.

14 MR. HENSHAW: I don't know. I mean I  
15 guess it's possible. I guess we certainly...

16 DR. ZIEMER: I can almost assure you  
17 BEIR VII will not be out this year.

18 MR. ELLIOTT: Yes, we'll -- we'll look  
19 at that and -- I think it depends -- it would be  
20 nice if we had something to present as a  
21 companion so that you can make the comparison and  
22 make a contrast and see the full gamut.

23 DR. MELIUS: Yeah, that's why I was  
24 asking were you going to be ready.

25 MR. ELLIOTT: Yeah, well --

1 DR. MELIUS: And same thing -- I mean at  
2 some point a briefing on the SENES work on  
3 (Inaudible) that would be good.

4 MR. ELLIOTT: Of course. All of this --  
5 let me just speak to process. You know, we  
6 develop our work and we put it in front of  
7 subject matter experts for peer review and  
8 comment, as we've done with our probability of  
9 causation and the IREP development that we did  
10 when we were in rulemaking. You saw those  
11 subject matter expert comments. You had them  
12 available to you to weigh in your deliberations.

13 That's the same process we would use for any  
14 substantive or substantial modification we would  
15 make to any risk model or any dose reconstruction  
16 methodology. We'd get subject matter expert and  
17 peer review comments for your benefit when we  
18 bring a proposal before you to evaluate.

19 DR. MELIUS: It's just that there -- no,  
20 I agree with the procedure. I just think -- may  
21 be a way of sort of briefing us as you go along  
22 so -- rather than all at once.

23 MR. ELLIOTT: Sure.

24 DR. MELIUS: For example, the DDREF, if  
25 -- if there's a certain finding or part of report

1 that's -- has some significant implications --

2 MR. ELLIOTT: I agree. As you can tell,  
3 we're putting more resources behind this. We're  
4 putting more momentum into these various research  
5 questions you have raised as primary questions  
6 for us. I think it's appropriate to keep a  
7 standing agenda item here on research issues and  
8 have Russ or his other colleagues come before you  
9 and present status now. Okay?

10 DR. ZIEMER: Okay. Any additional  
11 questions for Russ?

12 (No responses)

13 DR. ZIEMER: Apparently not. Thank  
14 you, Russ, appreciate the input.

15 The next item on the agenda is called  
16 subcommittee status, and -- a comfort break has  
17 been requested.

18 MR. PRESLEY: Good idea.

19 DR. ZIEMER: Okay, we'll take a comfort  
20 break.

21 (Whereupon, a recess was taken.)

22 SUBCOMMITTEE STATUS

23 DR. ZIEMER: Okay, let's reassemble.

24 The next item on the agenda is called  
25 subcommittee status. What we'll do is simply

1 start with an update on the charter, and then  
2 move into the report of the subcommittee.

3 You should have received in your packet  
4 or -- I think in your packet, or as a handout,  
5 the final clean version of the subcommittee  
6 charter. The subcommittee charter was approved  
7 by this Board at the last meeting. You recall  
8 that it had to be submitted to the --

9 MR. ELLIOTT: Committee management.

10 DR. ZIEMER: -- committee management  
11 office -- I was trying to get the right name --  
12 for their approval, and that now has been  
13 approved and the sub-- or the charter of the  
14 subcommittee is in effect. So it requires no  
15 action. I just wanted to make sure everybody has  
16 a copy of it, and then to remind you that under  
17 the -- well first, anyone need a copy of the  
18 subcommittee charter?

19 MR. ELLIOTT: It's under your -- it's  
20 under your tab which says roster, charter and  
21 subcommittee establishment. It should be there.

22 You're going to first see the roster of the  
23 Board, then the charter of the Board and then the  
24 memo that establishes the subcommittee.

25 DR. ZIEMER: Memo dated June 21st.

1           Okay? Now notice that the membership of the  
2           subcommittee is identified as being the  
3           attachment, and the attachment is the Board. So  
4           all members of the Board are members of the  
5           subcommittee. So the way that this works is that  
6           for a particular meeting, we can select any  
7           subset of the Board to serve as the subcommittee  
8           for a particular meeting, but it will not be the  
9           whole Board at any given time. We still will  
10          have a number -- which is somewhere spelled out  
11          here -- the Chair plus three members and the  
12          Designated Federal Official. So there's four  
13          members of the Board at any given meeting, plus  
14          the Designated Federal Official.

15                    Any questions on the charter itself?

16                    (No responses)

17                    DR. ZIEMER: Okay, so the charter is in  
18                    effect. The subcommittee did meet on Monday of  
19                    this week. The individuals who met for the first  
20                    time as the subcommittee had also comprised a  
21                    working group that met a month ago in Cincinnati  
22                    to develop some materials for the subcommittee to  
23                    review and develop further, and then ultimately  
24                    for that -- for a recommendation to come to the  
25                    Board on procedures for selection of cases to be

1 reviewed as part of our audit process.

2 So what this Board needs to do now is to  
3 receive from the subcommittee its recommendation  
4 on how to select the cases and a process for  
5 reviewing those cases. In that connection, there  
6 is a handout which consists of two pages, and the  
7 handout doesn't really have a title on it --  
8 well, it says procedures for selecting and  
9 tracking dose reconstruction pages -- or cases, I  
10 guess that's the title -- dated 8/24 and it has  
11 as a second page a kind of flow chart. And  
12 actually the flow chart is the main thing that  
13 we'll be focusing on and the -- what looks like  
14 the first page is really an explanation of how  
15 the flow chart works. Now --

16 DR. MELIUS: Excuse me, I'm missing  
17 that.

18 DR. ZIEMER: You're missing that. Okay,  
19 let's make sure we got a copy for Dr. Melius.

20 DR. MELIUS: No, never mind. Wanda  
21 helped me. I put it in the discard pile.

22 DR. ZIEMER: Well, we weren't sure it  
23 was a very attractive-looking document, but that  
24 confirms -- we've got to dress these up in the  
25 future.

1                   Now if you'll keep that document at  
2 hand, what we want to do is walk through that,  
3 show you what the thinking of the subcommittee  
4 is, and this will become a recommendation and  
5 basically a motion from the subcommittee for the  
6 Board to adopt this as a procedure.

7                   Now the person who really helped us sort  
8 of get this in usable shape was Mark, and Mark,  
9 if I can call on you to walk us through the  
10 document and explain the concept here. And as  
11 Mark does this, I think it would be helpful if  
12 the Board would recall that we talked about a  
13 matrix of kinds of dose reconstructions, the  
14 matrix being an array that represents various  
15 facilities, various kinds of cancers, various  
16 types of workers, various levels of probability  
17 of causation, all of the parameters of interest.

18                  And the thinking being that we would like to  
19 have a sampling from all of this -- different  
20 parts of this array in various amounts, depending  
21 on weighting.

22                  For example, a facility that has a lots  
23 of claims might therefore have more samples  
24 tested or reviewed than a facility with very few  
25 claims. But in any event, have the matrix in

1 your mind as Mark walks us through the process.  
2 Mark.

3 MR. GRIFFON: My third attempt at this.

4 We did this on the subcommittee level, too.

5 Yeah, I guess the -- that is important  
6 to keep in mind is that I think, you know, at the  
7 end of the day -- in this flow sheet there's some  
8 parameters of interest defined here, and what I -  
9 - what I envision happening is at the end of the  
10 day we want to make sure we can fill this matrix  
11 with a sampling of -- you know, with cases in  
12 those relative amounts by the time we're finished  
13 sampling the whole set of available claims, of  
14 available cases.

15 So having said that, we thought we  
16 needed -- this is sort of to establish a  
17 procedure of how we're going to first select  
18 cases, and then sort of drop them in that matrix  
19 and fill our matrix up. So the first step at the  
20 top of that flow sheet -- it's easiest to follow  
21 this flow sheet, I think -- is to select the  
22 cases, really just using a simple random number-  
23 generator type selection process, and these will  
24 be of the available completed cases, finalized  
25 cases. Am I using the right terminology, Larry?

1           The --

2                   MR. ELLIOTT: I think they -- to be  
3 correct, it's the cases that have been  
4 adjudicated to the point where there's a final  
5 decision proffered.

6                   MR. GRIFFON: Right, which I think  
7 currently is somewhere around --

8                   MR. ELLIOTT: Fourteen hundred, I  
9 believe, that have achieved that state at DOL.

10                   MR. GRIFFON: So you know, we're  
11 thinking -- and actually we did a few trials of  
12 this -- just have a random sampling of those, no  
13 criteria, no stratification at all. And then  
14 take those random samples and run them through  
15 our parameters here and fill our matrix and --  
16 and this is where we build in the flexibility so  
17 it's not a strictly statistical sampling method,  
18 but we as the Board or if we decide to delegate  
19 this to a subcommittee, but right now I think we  
20 as the Board would then look at these cases and  
21 have the information on these listed parameters  
22 below, and go down the list in order that they  
23 came up in a random selection process and decide  
24 -- you know, we'll take the cases and fill our  
25 matrix, but then if we get to a point where we've

1 got too many, in our view, of one certain type,  
2 then we can go to the next case. You know, we  
3 can exclude that, put that back in the pool, so  
4 to speak. Okay? So that's generally how it's  
5 working.

6 We looked at these parameters, as you go  
7 down this flow sheet -- these are the primary  
8 parameters where we're interested in looking at  
9 in sort -- sort of a -- I look at them as  
10 descriptive statistics of the cases. And the  
11 reason these -- one, two, three, four -- the  
12 reason these five are highlighted is because  
13 these were criteria that we were interested in  
14 that were also searchable on the NOCTS system on  
15 NIOSH's database.

16 POC categ-- and then we had some  
17 deliberations in our subcommittee about the  
18 appropriate ranges and the percentages of  
19 samples, and you can see to the right of each box  
20 on this flow sheet there's a description where we  
21 sort of came down and this -- this, we should  
22 say, is preliminary and we may want to adjust  
23 this in a later date, or even today if you don't  
24 agree with it. But this is where we came down on  
25 sort of the appropriate number of samples by

1           grouping. So for POC, zero to 44.9 percent, we  
2           went -- at the end of the day, when we fill our  
3           matrix, we want 40 percent of all of our cases to  
4           be within that group. From 45 to 49.9, we see  
5           that as a very sensitive, important area. We  
6           want a sampling of 40 percent, at the end of the  
7           day, to be out of that group. And the rationale  
8           there is -- you know, a couple of things. I  
9           think there -- there's some assumptions when a  
10          POC gets over 45 percent, the efficiency rules  
11          are, I believe, turned off with NIOSH and they go  
12          back and do a more refined dose reconstruction,  
13          so there's some different things that come into  
14          play. Also they're closer to the 50 percent  
15          award area, so that's why we weighted that a  
16          little higher. And then greater than 50 percent,  
17          we certainly want to sample some of those cases,  
18          as well, but we weighted it a little lower, 20  
19          percent.

20                        And then the next major criteria,  
21          facility, and the note says sample based  
22          proportionately on the total number of claims  
23          from all DOE facilities. And we've got this  
24          listing, and I've -- on an Excel spreadsheet I  
25          sort of went through this and they way I've --

1 the way I've looked at it now, I tried to modify  
2 it slightly last night to be consistent with Jim  
3 Neton's presentation where he -- he's saying  
4 roughly -- when they have more than 40 cases for  
5 a site, around that area, that's when they're  
6 tending to do a full site profile, and -- and it  
7 made sense to me to -- we needed a cutoff.

8 Obviously you can't sample 2.45 percent for a  
9 site that only has, you know, one or two claims,  
10 so we needed some cutoff. At 40, you're looking  
11 at one case. So you know, the way I laid it out  
12 right now, I lined -- did a list of all of our  
13 facilities which -- where currently they have  
14 more than 40 claims. And now that's going to  
15 change, obviously, but just -- just for a cutoff  
16 at this point, I chose that, and we'd sample --

17 DR. ZIEMER: And just for clarity, for  
18 example then, if -- if Idaho had ten percent of  
19 the total claims in the system, then we would  
20 expect in our matrix to -- out of our total  
21 sample, ten percent of that to be Idaho.

22 MR. GRIFFON: Right, right. And that's  
23 the propor-- yeah, the proportional sampling  
24 there is that it's proportional to the number of  
25 claims for those -- for the sites, so the sites

1 with higher numbers of claims, we'd sample in  
2 accordance with the claim percentage of the total  
3 claims in the system.

4 And then at the -- the last grouping  
5 there is -- is a group of all the sites with less  
6 -- you know, less than a certain point, maybe  
7 less than 40 overall claims in the system. And  
8 we grouped them all together and from that pool  
9 we'd do a 2.5 percent sample, which is where we  
10 wanted to end up, if you remember, in our overall  
11 sampling is 2.5 percent. But the other ones, the  
12 -- the larger sites, we'd -- we'd sample  
13 proportionately, you're right, Paul. Thanks.

14 The next criteria, decade first employed  
15 -- again, these -- we weighted by decade and, you  
16 know, this was -- you know, based -- I guess we  
17 had discussions in the subcommittee, you know,  
18 based on our experience at the sites. And where  
19 we thought that there'd be more complex, more  
20 difficult cases, but -- and also more, you know,  
21 likely higher exposures, we tended to weight  
22 those decades a little higher. But we didn't  
23 want to exclude -- you know, we certainly don't  
24 want to exclude the 1980's, or even the nineties  
25 -- nineties and beyond, I guess that would be,

1 so...

2 And duration of employment the same way,  
3 you can see the breakout there. We -- we  
4 weighted zero to one year fairly heavily because  
5 of the concern of some workers that may -- you  
6 know, may have a short term at some sites, but  
7 they may have -- they may fall into that category  
8 of the unmonitored question, so there may be some  
9 unique circumstances that we want to look at.  
10 That's why -- that was our sort of rationale for  
11 that.

12 And the final is the risk model, which  
13 is basically the IREP risk model, the type of  
14 cancer. And -- and here we left this pretty  
15 open. The reason we didn't want to necessarily  
16 say a proportional sampling is because I think if  
17 we look at the current statistics -- I'm not sure  
18 if I have the latest ones, but there are some  
19 fairly common cancers -- skin cancer, prostate  
20 cancer -- that we may not want to do a  
21 proportional sampling of those types of cases  
22 because they're -- at least for prostate it's a  
23 very -- fairly non-radiosensitive, too, so how  
24 much do we want to look at -- you know, we may  
25 not want to do a proportional sampling -- we do

1 say in here, though, that our intent is to  
2 examine cases representing each type of model, at  
3 least some cases exam-- you know, related to each  
4 type of model. So that's kind of still open.

5 DR. ZIEMER: And I might insert here,  
6 and I think this Board could at some point decide  
7 on what that distribution should be. Our thought  
8 was at the front end, with say 20 or so sample  
9 cases, we may not try to -- we're not going to  
10 fill all these boxes anyway. But the other thing  
11 is, we -- it occurs to me that the three overall  
12 categories that Russ described to us earlier may  
13 be a starting point to subdivide these because  
14 they look at the variables in different ways and  
15 we may want to look at that and break those three  
16 categories into some distribution. But we can --

17 MR. GRIFFON: Uh-huh, there may be other  
18 ways to -- yeah. And finally, and not to be  
19 overlooked -- it probably shouldn't be in a  
20 little box in the lower right-hand corner, but I  
21 apologize on the format -- there's other criteria  
22 that we certainly have discussed on this Board  
23 and in our subcommittee that we think are pretty  
24 important parameters in, you know, looking at  
25 those cases where coworker data was used. The

1 thing about these criteria listed in the corner  
2 is that they're -- currently none of these are  
3 searchable criteria on the NIOSH database, so we  
4 can't -- total ca-- you know, we can't get the  
5 descriptive statistic when -- when we get a  
6 printout of random cases, the descriptors --  
7 we'll get POC, we'll get facility, decade,  
8 duration and risk model, but we can't get these  
9 other parameters, so we'd have to open the case.

10 So what we -- we feel that we want to -- at the  
11 outset we want to track this information, or have  
12 our -- our subcontractor track this information  
13 so that we get a sense of where -- and the other  
14 -- obviously the other parameters, just to look  
15 down them, monitored versus unmonitored is a  
16 important one. Job category is certainly  
17 something that we --

18 DR. ZIEMER: And once we start tracking  
19 it, we can assure ourselves that we are sampling  
20 across these parameters, as well.

21 MR. GRIFFON: Right.

22 DR. ZIEMER: A priori we can't get at  
23 the data.

24 MR. GRIFFON: Right. And I guess that -  
25 - that's -- I think that's it. That's --

1 describes what we thought of as the process,  
2 Paul, unless you --

3 DR. ZIEMER: Right, and if you --

4 MR. GRIFFON: -- have further  
5 explanation.

6 DR. ZIEMER: -- look at the first page  
7 now in terms of how it's done, we actually would  
8 ask NIOSH to simply use the random number  
9 generator to generate a group of cases. This  
10 Board or the subcommittee would then look at that  
11 list of cases and -- and see how they fit into  
12 the matrix, and then we could either accept or  
13 reject a case. But we would have a list of cases  
14 and you would just move on down through the list.

15 The other thing is that once the cases  
16 are selected -- and I'm not sure that -- says so  
17 here, but what the subcommittee talked about was  
18 having -- for each case having two members of  
19 this Board being primarily responsible for that  
20 case, coupled with a contractor person who would  
21 work up the case, because we're not all dosimetry  
22 experts. We talked about that --

23 MR. GRIFFON: Yeah, that -- I didn't put  
24 some of that -- I know we had discussions about  
25 the panels and the interface with the

1 subcontractor. That -- I think -- if we want to  
2 modify that, it should be in our other procedure,  
3 which I don't even remember the name of it, but  
4 we had a case processing procedure, I believe,  
5 and this -- I just looked at --

6 DR. ZIEMER: This is the tracking --

7 MR. GRIFFON: -- (Inaudible) I didn't  
8 want to overlap it with the other one, yeah,  
9 so...

10 DR. ZIEMER: Okay.

11 MR. ELLIOTT: I don't think that it's  
12 any different than what you've proposed in your  
13 process procedure, other than what we've agreed  
14 to -- and certainly the Board has to weigh in on  
15 this -- was to -- once you select the case, we  
16 would create a compact disk that had your set of  
17 cases for you, as a member, to look at with all  
18 information in it. It's not redacted, so it'll  
19 be a Privacy Act-controlled disk, if you will,  
20 that would be delivered to you and the  
21 contractor. I think that's the only difference -  
22 -

23 MR. GRIFFON: Yeah, I think we -- we  
24 clarif-- I mean I think some of the discussion we  
25 had in the subcommittee was sort of -- now that

1 we -- 'cause we -- SCA was represented in the  
2 audience and we had a little further discussion  
3 of almost logistics, how's this going to work,  
4 you know, so we envisioned sort of a -- you know,  
5 and we still might want to --

6 DR. ZIEMER: But we --

7 MR. GRIFFON: -- write this down within  
8 our procedure, but the panel members could al--  
9 you know, conference call in with SCA during the  
10 development. And then at some point when the  
11 cases are brought back to the Board, we talked  
12 about having a first day closed session where  
13 specific cases could be discussed and ca-- you  
14 know, case reports, but also where aggregate data  
15 -- an aggregate data report might be brought by  
16 SCA to that meeting, and then, you know, in  
17 closed session we could discuss the individual  
18 cases and the aggregate report, and then in open  
19 session present the aggregate findings where we  
20 don't -- where we can't -- can't discuss privacy  
21 information. So that's sort of -- we talked  
22 about that kind of process stuff.

23 DR. ZIEMER: Well, let's focus on the  
24 selection procedure then. So this recommendation  
25 comes as a -- or this comes as a recommendation

1 from the subcommittee and therefore is considered  
2 a motion before the Board to accept or to modify.

3 So this now is open for discussion. Jim Melius

4 --

5 DR. MELIUS: Okay --

6 DR. ZIEMER: -- then Wanda, then Rich.

7 DR. MELIUS: I would have -- I like the  
8 proposal. I -- the only one I would question is  
9 the over-weighting on the duration of employment  
10 towards few years. You have 40 percent of the  
11 cases would have less than five years of work at  
12 a facility, and that seems to me to be high. And  
13 I agree that we want to pick up some people with  
14 short dura-- short duration, but seems to me we  
15 would learn more -- there'd be more work involved  
16 I guess, but we would learn more from looking at  
17 people with longer duration of exposure.

18 DR. ZIEMER: And this is a good point,  
19 and one -- one thing that we should be cognizant  
20 of is that, to some extent, these are gut  
21 feeling, arbitrary numbers. And also we don't at  
22 this point know how this distribution compares  
23 with the claim distribution on longevity of the  
24 job and so on, whether -- whether we are really  
25 greatly over-sampling, even beyond what it looks

1           like here, compared to the number of claims. So  
2           it's a point well taken and if someone wishes to  
3           revise the numbers, it's quite appropriate.

4                   DR. MELIUS: Yeah, and I mean I was just  
5           trying to look at -- as I looked at this, think  
6           through -- well, where are people going to fit,  
7           and it dep-- somewhat depends on sort of the --  
8           you know, the order -- I mean that these are  
9           going to interact and not going to be -- same, so  
10          will people with short duration of work more  
11          likely be people who have a lower probability of  
12          causation, 'cause they'd have lower exposures, so  
13          -- yeah, but I'm afraid if we try to overfill on  
14          that particular thing, I think we're going to end  
15          up with a -- I'm not sure a very representative  
16          population, nor do I think we get a good look at  
17          what the dose reconstructors do.

18                   MR. ELLIOTT: Certainly with AWEs you  
19          have a contained employment period that is --  
20          that is reconstructed against. And it's not --  
21          those are not, you know, decades. Those are  
22          usually in short number of years, so --

23                   DR. MELIUS: Yeah, that was what I was  
24          going to mention is that another issue is going  
25          to be for different facilities, and somewhat

1 depends on sort of the order you go through in  
2 terms of selection as we fill this in. But maybe  
3 that's something we can adjust later on, but I  
4 just -- it's the one I thought -- I was a little  
5 concerned about.

6 DR. ZIEMER: You're not proposing a  
7 change at the moment, or are you proposing a  
8 change?

9 DR. MELIUS: Well, I'd like to get some  
10 more discussion.

11 DR. ZIEMER: Let's see, I guess Wanda  
12 next.

13 MS. MUNN: I'm glad to have heard the  
14 explanation because I was -- I was concerned over  
15 whether the random number generator was going to  
16 be used for specific sites when we first started  
17 out, or later on whether we were going to do one  
18 -- the sites, as for example, site profiles were  
19 complete. And so I'm -- I think -- my question  
20 is probably answered -- the first question was  
21 answered by relating table one more directly to  
22 the first statement in the procedure that was  
23 given.

24 But I do have a little concern with the  
25 note down at the bottom. It was my understanding

1 from all the information that we've heard here  
2 that job category is something that's almost  
3 impossible to tie down for most of the claimants.

4 DR. ZIEMER: The issue has to do with  
5 what words are used to describe the job.

6 MS. MUNN: What types --

7 DR. ZIEMER: However, once you get a  
8 case and open it, you can figure out, for  
9 example, whether it's a welder or a lab  
10 technician or whatever it may be. But a given  
11 kind of job sometimes has multiple names and  
12 maybe different names at different sites. But I  
13 think our thinking was that we could at least  
14 separate out kinds of workers, like engineers or  
15 construction workers or maybe some broad  
16 categories, even though -- we can't certainly  
17 sort against them. Once we have a case open, you  
18 can figure out what the person did.

19 MS. MUNN: Yeah, and my -- my point is,  
20 if we're going to do that, probably we should  
21 establish as a goal -- one of the things that the  
22 committee is going to have to do is to make some  
23 judgment with respect to the broad job category.

24 MR. GRIFFON: Yeah, and how to decide --  
25 I guess how to decide primary job or something

1           like that, I mean --

2                   MS. MUNN:    Yeah.

3                   MR. GRIFFON:   Yeah, 'cause that could  
4           become an issue.  I mean there's different  
5           approaches to that.

6                   MS. MUNN:    I think we probably need to  
7           make it clear in our procedure that that will  
8           have to be a judgment made by -- by the committee  
9           'cause I don't see any other way you're going to  
10          get that done.

11                  MR. GRIFFON:   Right.

12                  MS. MUNN:    My only concern then left  
13          with the procedure itself is in the very last  
14          item in item six when you say this information  
15          will include only the statistics of the case  
16          reviewed.  Only the statistics probably mean  
17          different things to different people, and for  
18          some, that would include the facility, that would  
19          include diagnoses, that would include month of  
20          employment, all of which are a part of the flow  
21          chart over here, but is that indeed -- are the  
22          items listed on the flow chart indeed the items  
23          that we want to present in our case presentation,  
24          or --

25                  DR. ZIEMER:   Let me try to answer that

1 in part. The idea was that once the individual  
2 cases are reviewed and the whole thing is rolled  
3 up, what would come to the full Board in open  
4 meeting would be a report that might take the  
5 form of -- that 25 cases have been reviewed and  
6 in 20 of these cases there were no issues, in  
7 three cases there was questions raised about  
8 something -- no cases would be specifically  
9 identified in open session, simply a kind of a  
10 statistical rollup of the overall picture.

11 MR. GRIFFON: I think may--

12 DR. ZIEMER: In several cases this issue  
13 arose.

14 MR. GRIFFON: I think maybe a better way  
15 to phrase it is like summary findings or  
16 something like that --

17 MS. MUNN: Summary findings.

18 MR. GRIFFON: -- instead of statistics  
19 of cases.

20 MS. MUNN: Yeah.

21 MR. GRIFFON: If I can propose to  
22 include -- instead of --

23 DR. ZIEMER: Yeah, summary findings --

24 MR. GRIFFON: -- those statistics, yeah.

25 DR. ZIEMER: -- would that be more

1 acceptable?

2 MS. MUNN: It would be to me.

3 DR. ZIEMER: I take it by consent that  
4 the words "summary findings" would be substituted  
5 here for "statistics". Thank you.

6 MS. MUNN: And now being a -- being a  
7 detail junkie, I guess, I have a tendency to  
8 think in process, so it concerns me a little bit  
9 on how our random number generator is going to  
10 work from NIOSH's point of view. That is to say  
11 is there going to be a possibility that the same  
12 case may be reviewed more than once --

13 DR. ZIEMER: No.

14 MS. MUNN: -- or is that number -- is  
15 NIOSH going to have to drop that number out of  
16 their generator once it's been chosen?

17 DR. ZIEMER: Once that case is out, it's  
18 our understanding that the -- I mean if it -- if  
19 it showed up again, it would simply be omitted --  
20 or deleted.

21 MS. MUNN: Because our procedure doesn't  
22 say so.

23 DR. ZIEMER: Okay. Okay, we can  
24 certainly add that. The intent is that the cases  
25 that have been reviewed are out of the pool.

1 MS. MUNN: Once done, it's done. Yeah.

2 DR. ZIEMER: So we can add a phrase to  
3 include that, yes. Thank you.

4 Rich, you were next?

5 MR. ESPINOSA: Yeah, mine was a -- kind  
6 of on the same lines as Wanda for job categories.  
7 I was just kind of wondering how defined it was  
8 going to get, and so...

9 DR. ZIEMER: Yeah. I think the answer  
10 is we don't know. We will have to get some cases  
11 and start to see what -- what those look like and  
12 try to sort them. In other words, we're saying  
13 the intent is to sort or to track, but it's not a  
14 -- it currently is -- the -- searchable variable  
15 at the moment, yeah. I guess Jim was next, and  
16 then Roy.

17 DR. MELIUS: Back to my issue on  
18 duration of employment, I'm assuming -- you  
19 didn't have any really data to base this on --

20 DR. ZIEMER: No.

21 DR. MELIUS: -- in terms of that?

22 DR. ZIEMER: No.

23 DR. MELIUS: So rather than trying to  
24 propose that -- to make some changes in  
25 particular things now, I think -- you know, we're









1 number in selecting out of that? We assign a  
2 number to all 1,400 and then how do we generate  
3 what's coming out -- of cases that we're going to  
4 see?

5 DR. ZIEMER: This proposal would use a  
6 random number and select from those.

7 DR. DEHART: Okay. Based on the number  
8 only, just as the random number is generated  
9 initially.

10 DR. ZIEMER: Right.

11 MR. GRIFFON: That's it, yeah.

12 DR. DEHART: And that's going to have a  
13 bias because the 1,400 cases are biased in where  
14 they're coming from. We all know that.

15 DR. ZIEMER: That's understood, and that  
16 sample base will change as time goes on.

17 DR. DEHART: I understand.

18 DR. ZIEMER: But the point is, though,  
19 if we sample from that, it's still -- we're still  
20 looking at a small total of what the eventual  
21 matrix would be. And the idea here is we can  
22 still fit these into our matrix.

23 And let me tell you that if the Board  
24 approves this procedure today, we are prepared to  
25 give you the list. I've not seen the list. It's

1 hidden in a mayonnaise jar, buried -- no.

2 UNIDENTIFIED: It's in the olive jar.

3 DR. ZIEMER: We asked Todd, who's the --  
4 what's Todd's title? He's the information  
5 management guy from NIOSH -- to generate the  
6 random list for us in case the Board approved  
7 this. We are prepared to give you a list of I  
8 think 25, and we can look at that and say let's  
9 take the first 20, and we're prepared to then  
10 generate the disks and assign the Board members  
11 and give that list to the --

12 MR. GRIFFON: (Inaudible)

13 DR. ZIEMER: -- to the contractor.

14 MR. GRIFFON: And just -- just --

15 DR. ZIEMER: Don't -- don't distribute  
16 any copies, and -- no one has seen this list  
17 except Todd.

18 MR. GRIFFON: Just so everyone  
19 understands -- I mean that's the -- I mean we  
20 just -- we ended up with a purely random up  
21 front, generated a list with those descriptive  
22 statistics, and then the --

23 DR. ZIEMER: The list will --

24 MR. GRIFFON: Our challenge will be to -

25 -

1 DR. ZIEMER: The list will tell you the  
2 POC category, the facility --

3 MR. GRIFFON: Yeah.

4 DR. ZIEMER: It'll tell you all of  
5 these.

6 MR. GRIFFON: And our challenge then is  
7 to go down one by one through those 25 as a group  
8 and just say in or out, and that's the hand  
9 selection part of it. I think we -- we just felt  
10 it -- especially at this first stage, we were  
11 uncomfortable in -- you know, I think we're more  
12 likely -- I was -- at least in the subcommittee  
13 level, I was focused on let's -- let's fill the  
14 matri-- let's worry about filling the matrix more  
15 than having a purely random, stratified sampling  
16 approach. We -- we can randomly select it  
17 initially, but then we can hand-select them, we --  
18 -- they're not identified cases so there's not --  
19 we just have some descriptive statistics to help  
20 us pick. And if -- you know, we know that  
21 Bethlehem Steel, Savannah River, Hanford --  
22 there's quite a few cases up front of those --  
23 those three sites. If we end up with 20  
24 Bethlehem Steels, we may say well, we don't want  
25 to do 20 Bethlehem Steel lung cancers, you know.

1           So we can just X down some of those as we get  
2           them, put them back in the pool, so to speak.

3           DR. DEHART: My question was one of  
4           procedure, and I think I now understand what is  
5           intended. I do have one other question and that  
6           is the selection of the ten percent for the  
7           forties employee group. It would seem to me that  
8           you would want to be higher, because the  
9           assumption on dose is going to be much higher in  
10          that -- in that particular group. And I would  
11          feel that there's perhaps a greater chance of  
12          error and perhaps we'd want to see more of those  
13          cases up front.

14          DR. ZIEMER: One of the things, though,  
15          we're not sure of -- and we may have to get the  
16          statistic -- is how many actual cases come out of  
17          -- that still may be a smaller group 'cause  
18          that's in the very early stages of things where  
19          the system was building up in terms of numbers of  
20          workers. I think our intuitive feeling was that  
21          there were many more workers in the fifties.

22          DR. DEHART: (Off microphone) Oh, yes, I  
23          would agree.

24          DR. ZIEMER: So that this kind of  
25          reflects that, as well. But all of these can be

1 adjusted.

2 MR. ELLIOTT: Wanda.

3 DR. ZIEMER: Yes, Wanda.

4 MS. MUNN: Just a comment. To go back  
5 to the potential of doing a purely informational  
6 run just to see what's there right now, I guess I  
7 would caution that the information that we've had  
8 earlier today, and actually information that we  
9 had comments in our minutes from last time, point  
10 out that a very large percentage -- as a matter  
11 of fact, what we have in the minutes is 49  
12 percent of the claims that had been submitted  
13 were non-covered claims. So if we were going to  
14 do the kind of general information run that we  
15 were talking about with respect to existing  
16 claims...

17 MR. ELLIOTT: I think you're referring  
18 to the Department of Labor's statistics --

19 MS. MUNN: Yes, I am.

20 MR. ELLIOTT: That's not in this  
21 dataset.

22 MS. MUNN: Yes, I am.

23 MR. ELLIOTT: That's not in this  
24 dataset.

25 MS. MUNN: Okay.

1 MR. ELLIOTT: The dataset --

2 DR. ZIEMER: These are only the NIOSH --

3 MR. ELLIOTT: The dataset that -- that  
4 you would be talking about selecting from would  
5 be the 15,000 -- or the 17,500 claims we have  
6 right now that have not been -- that weren't  
7 pulled back by DOL because they weren't a covered  
8 cancer --

9 MS. MUNN: Yeah, okay.

10 MR. ELLIOTT: -- i.e., like lymphocytic  
11 leukemia. So -- and of that, there's a subset  
12 that we have sampled the 25 from, the list that  
13 Dr. Ziemer's talking about that we have prepared  
14 for you upon your -- the subcommittee's request,  
15 that 25 sample was -- was randomly selected from  
16 the 1,450-some, I don't know the exact number,  
17 but...

18 MS. MUNN: No, I don't have any problem  
19 with -- with the process that's going on for what  
20 I consider this pilot run now.

21 DR. ZIEMER: Other questions? Yes,  
22 Henry.

23 DR. ANDERSON: Yeah, I just wanted to  
24 say what we -- when we talked about the  
25 statistics, what we really meant is univariant

1 statistics, so that when we get through the 20  
2 and we would come back to the Board, we'd tell  
3 the public we reviewed four cases from Hanford,  
4 but it would not be four cases from the 1940's,  
5 from the what -- you know, that -- which would  
6 get toward it, but we would say there were five  
7 from the 1940's in the mix, there were three lung  
8 cancers, two whatever's, but it wouldn't be lung  
9 cancers from a site, so it would -- it's all  
10 univariant so people will understand. One will  
11 get a sense of what we're looking at from our  
12 matrix, but it would not allow identifiers.

13 MS. MUNN: So summary findings is a  
14 better --

15 DR. ANDERSON: Yeah.

16 MS. MUNN: -- appellation.

17 DR. ZIEMER: Let me make sure that we  
18 have recorded the slight modifications. One is  
19 to use the words "summary findings" rather than  
20 "statistics" in item six. Another was to add --  
21 and I didn't jot it down --

22 MR. GRIFFON: Yeah, I think you --

23 DR. ZIEMER: -- Wanda's -- what was it -  
24 -

25 MR. GRIFFON: I think you could put it

1 at the end of paragraph three, something to the  
2 effect of the following sentence: Once a case is  
3 reviewed, it will no longer be available for  
4 future sampling. Some -- something like that.

5 DR. ZIEMER: Yeah, that's --

6 MR. GRIFFON: Yeah.

7 DR. ZIEMER: Once a case is reviewed --  
8 let's say it is removed from the sampling pool.

9 MR. GRIFFON: That's fine. That's  
10 better.

11 DR. ZIEMER: Are those the only changes  
12 in -- we've -- we'll take it by unanimous consent  
13 that those are okay. Any other changes on any  
14 parameters at the moment?

15 (No responses)

16 DR. ZIEMER: If not, I'm going to ask  
17 for a vote on accepting these procedures. And  
18 the understanding is in a sense these are  
19 provisional, 'cause we're probably going to end  
20 up modifying them as we gain experience.

21 Okay, all in favor, aye.

22 (Affirmative responses)

23 DR. ZIEMER: Any opposed?

24 (No responses)

25 DR. ZIEMER: Any abstentions?

1 (No responses)

2 DR. ZIEMER: Motion carries. Thank you  
3 very much.

4 This is a motion -- because it comes  
5 from the subcommittee, requires no second. Under  
6 Robert's Rules, the report from the subcommittee  
7 constitutes a motion but requires no second.

8 Now procedurally, what the subcommittee  
9 is recommending is that if we select -- we're  
10 recommending 20 cases for today. Because the  
11 contractor's prepared to assign 20 cases at a  
12 time, that will give them some experience.

13 MR. GRIFFON: I think that was our goal,  
14 anyway. We were --

15 DR. ZIEMER: That was our goal.

16 MR. GRIFFON: -- depending on the  
17 sampling.

18 DR. ZIEMER: We've asked the -- asked  
19 Todd to give us a list of 25, so that if there's  
20 -- if we see that there's, you know, a lot of  
21 cases from some site that we think is over-  
22 represented, we'd just bypass that and go on.  
23 Hopefully we can select 20 cases.

24 And then what we're going to want to do  
25 is -- the contractor will assign each case to one

1 of several persons on their team. We would like  
2 to have two Board members on each case. And  
3 obviously the conflict of interest thing comes  
4 into play here, so if you've -- are working on a  
5 site or have, then you can eliminate yourself  
6 from being a reviewer. There would be a  
7 timetable, and we're actually thinking about our  
8 next meeting as a time when we could roll out the  
9 first review of these cases, that the -- we would  
10 rely on the contractor to look at these in depth  
11 from a dosimetry point of view, but each of us  
12 may have a perspective. And you will have the  
13 full record. Every -- each Board member would  
14 have a full record of their cases on disk, as  
15 will the contractor. You'll have the opportunity  
16 to interact with the contractor's team person.  
17 And then prior to our meeting, we would have  
18 working groups. A working group would be two  
19 Board members and a contractor person that would  
20 get together, come to a final agreement on a  
21 recommendation to the Board for that particular  
22 case.

23 Now the nature of the report is -- is  
24 still not well-defined, other than it's -- we  
25 know that it needs to be a general rollup, and

1 we're kind of learning it as we go here.

2 Okay, the list now is being distributed.

3 I do have a concern here that -- this list has  
4 no identifiers on it in terms of code numbers of  
5 case numbers. It does have decade, working years  
6 and IREP model, which I suppose might in some  
7 cases be -- someone might be able to use this to  
8 identify an individual. Is that possible? But  
9 at this point, whatever -- whatever comes out of  
10 the review, it's not going to be linked to  
11 specific cases, so here's the first 25. And  
12 these were drawn at random. I'm just looking  
13 down through this and I see -- one, two, three --

14 DR. ANDERSON: They're summarized.

15 DR. ZIEMER: Oh, all right. Okay. So  
16 here's the frequency -- 32 percent of these cases  
17 are Bethlehem Steel, 24 percent Savannah River,  
18 12 percent Rocky Flats, and on down the line.  
19 They've simply analyzed this for us. You see the  
20 analysis by probability of causation.  
21 Interestingly enough, none of them have fallen  
22 between the 45 and 50, the area of great interest  
23 to this group.

24 DR. ROESSLER: (Off microphone) Are  
25 those mistakes, the 1930's?

1 MR. ELLIOTT: Can I make a --

2 DR. ROESSLER: (Off microphone) Are  
3 those -- are those actual beginning dates?

4 MR. GRIFFON: (Off microphone) Decade  
5 first worked --

6 DR. MELIUS: (Off microphone)  
7 (Inaudible) worked at Bethlehem.

8 DR. ROESSLER: (Off microphone) There  
9 are two of them from --

10 MR. PRESLEY: (Off microphone)  
11 (Inaudible) see there may have been a --

12 DR. ZIEMER: Somebody may have started  
13 working there before the actual -- that's their  
14 date when they started working there, I think --  
15 yeah. And then you see the various -- fair  
16 distribution of kinds of cancers, and as you  
17 might expect, the second category's probably  
18 prostate.

19 MR. ELLIOTT: Let me make a comment on  
20 the POC categorization here where there were --  
21 none of the 25 showed up in that middle range of  
22 44 or -- 45 to 49. There are only 20 cases in  
23 that particular category anyway, so in this  
24 random sampling, we didn't hit any one of those  
25 20.

1 DR. ZIEMER: Now here's -- here's what  
2 the Board can do. For example, if you said we  
3 want at least one of those kind of cases in this  
4 first run, then we can instruct Todd to go back  
5 and select by POC and randomly select one of  
6 those 20 cases. That's the kind of thing you can  
7 do if you want to adjust the list and still keep  
8 the randomness into it.

9 MR. ESPINOSA: (Off microphone) I'd say  
10 we send Todd back.

11 DR. ZIEMER: But also keep in mind that  
12 this is only 20 cases out of -- eventually we're  
13 going to have hundreds of cases that we sample,  
14 so this -- this is -- this is a kind of a first  
15 run-through for us and for the contractor. This  
16 is part of our learning experience on the  
17 process.

18 MR. ELLIOTT: Let me restate -- I mis-  
19 spoke. I stand corrected. Dr. Neton corrected  
20 me. We have only eight cases that would be in  
21 that category, between 45 and 49.9 percent. We  
22 have 20 cases out of the first 4,000 that we have  
23 turned over to DOL, so out of 1,450-some that  
24 have reached the final decision stage, we have  
25 only eight. So that's why --

1 MR. GRIFFON: That's a very small  
2 number.

3 MR. ELLIOTT: We've got -- smaller than  
4 20, even.

5 DR. ANDERSON: (Inaudible)

6 DR. ZIEMER: Well, and --

7 MR. ELLIOTT: My apologies.

8 DR. ZIEMER: -- for the initial run,  
9 this may be fine because we're really learning  
10 how to do the job.

11 DR. ANDERSON: We've got a lot of low  
12 POCs.

13 MS. MUNN: We're all on the same  
14 learning curve.

15 DR. ZIEMER: Which is fine.

16 MS. MUNN: That's fine. We have a few  
17 high ones, too.

18 DR. ZIEMER: Now the -- what -- what I'm  
19 going to ask for is -- to start us off, I'm going  
20 to ask for a motion to accept the first 20 on the  
21 list as the 20 that we will test --

22 MR. ESPINOSA: So moved.

23 DR. ZIEMER: -- and it's been moved and  
24 --

25 DR. ANDERSON: Seconded.

1 DR. ZIEMER: -- and seconded. Was there  
2 a second?

3 DR. ANDERSON: Seconded.

4 DR. ZIEMER: Now discussion. We can --  
5 we can change that.

6 DR. MELIUS: I would just argue that  
7 that gives us all the Bethlehem Steel and we end  
8 up --

9 UNIDENTIFIED: (Off microphone)  
10 (Inaudible)

11 DR. MELIUS: -- yeah, and whereas the  
12 last five are not, and I'd rather eliminate five  
13 of the Bethlehem Steel or something to that --  
14 like that.

15 DR. ZIEMER: For now.

16 DR. MELIUS: For now, yeah.

17 DR. ZIEMER: And if we eliminate them,  
18 they go back in the pool.

19 MR. GRIFFON: Right.

20 DR. ZIEMER: How many Bethlehem Steels  
21 are you proposing we eliminate? And we will  
22 eliminate them starting with the bottom of the  
23 list, in fairness, I guess, and go up. There are  
24 how many Bethlehem Steels?

25 DR. MELIUS: I just counted eight, I

1 think.

2 MR. ELLIOTT: (Off microphone) In our  
3 frequency distribution (Inaudible).

4 DR. ZIEMER: There are eight Bethlehem  
5 Steels.

6 MR. GRIFFON: (Off microphone) You have  
7 to consider the other criteria, I would say -- I  
8 would argue, but...

9 DR. ZIEMER: Jim is -- are you proposing  
10 that we eliminate five Bethlehem Steels, Jim?

11 DR. MELIUS: Yeah.

12 DR. ZIEMER: And do you agree then that  
13 it would be the last five on the list of  
14 Bethlehem Steels? I mean we -- we just have --

15 DR. ROESSLER: We should look at  
16 cancers, I think -- I think we should look at  
17 other parameters. No?

18 DR. ZIEMER: I would argue that right  
19 now it's too early to do that. If you're simply  
20 sorting -- you're looking at facility as the  
21 variable, then in -- in keeping with the process,  
22 you just take them as they came. In other words,  
23 you're saying well -- you've reached -- you've  
24 saturated Bethlehem Steel with the third one.  
25 The next one we draw, we eliminate.

1 DR. MELIUS: If we keep in mind --

2 MR. GRIFFON: Here's -- I'll make a more  
3 specific proposal.

4 DR. ZIEMER: Okay.

5 MR. GRIFFON: I would propose to draw --

6 DR. ZIEMER: I'm sorry, I don't think we  
7 had a second on your motion yet, but -- are you -  
8 - are you re-motioning -- re-moving something?

9 DR. MELIUS: This may be a friendly  
10 amendment.

11 MR. GRIFFON: Yeah, I think it's a -- I  
12 think it's a friendly amendment. I still would  
13 say five Bethlehem Steel cases, but I would say  
14 let's drop number ten, 13, 14, 15 and 16 in the  
15 order down the list that they appear. And I  
16 looked at that based not only on Bethlehem Steel,  
17 but also I didn't want to do like -- I think  
18 there were a couple of colon cancers and a couple  
19 of lung cancers, so --

20 DR. ZIEMER: Well, that's the last five  
21 Bethlehem Steels.

22 MR. GRIFFON: Oh, is that the last five?

23 DR. ZIEMER: Basically that's --

24 MR. GRIFFON: So it's the same motion.

25 DR. ZIEMER: That's the same motion.

1 Did somebody second that motion?

2 MR. GRIFFON: I second Jim's motion.

3 DR. ZIEMER: Okay. The motion then is  
4 to eliminate those five Bethlehem Steels and pick  
5 up the last five on the list, and that's been  
6 seconded. Is there discussion on this motion?  
7 Robert, are you addressing the amendment?

8 MR. PRESLEY: No, I'll buy that.

9 DR. ZIEMER: Richard, addressing the  
10 amendment?

11 MR. ESPINOSA: No, not addressing the  
12 amendment.

13 DR. ZIEMER: We're addressing only the  
14 amendment to drop five Bethlehem Steels. Yeah,  
15 Tony?

16 DR. ANDRADE: Just one comment on the  
17 next to the last Bethlehem Steel. Here we have a  
18 really high POC, and then you have the lung  
19 cancer situation, which is what we really kind of  
20 expected. I think that that would be a very  
21 interesting case to ring out.

22 MR. ESPINOSA: That's --

23 DR. ROESSLER: (Off microphone) There  
24 are two of those, though.

25 MR. ESPINOSA: Yeah, there's one on --

1 DR. ROESSLER: (Off microphone)

2 (Inaudible) one is in the list.

3 MR. GRIFFON: Yeah, the first --

4 MR. ELLIOTT: Could we only talk one at  
5 a time, please, for our recorder, who is a  
6 champion, but he is somewhat disadvantaged when  
7 he's got six people talking at once.

8 DR. ZIEMER: So Tony, are you speaking  
9 against the motion to drop those five?

10 DR. ANDRADE: No -- okay. I recant. It  
11 is pointed out to me there's another lung cancer  
12 above it.

13 DR. ZIEMER: And again, keep in mind,  
14 we're not filling the matrix with 20 samples.

15 MR. GRIFFON: I just want to make one --  
16 one informational comment that I have --

17 DR. ZIEMER: Informational comment?  
18 Yeah.

19 MR. GRIFFON: I have the matrix pulled  
20 up, the proportional method that we proposed, and  
21 I think Bethlehem Steel -- I don't know if this  
22 is a current number, but I have 417 cases. So if  
23 you just did -- there were 417 overall cases, so  
24 I don't know -- you know, that's another argument  
25 for -- not to sample too many --

1 DR. ZIEMER: Yes.

2 MR. GRIFFON: -- in this first round of  
3 --

4 DR. ZIEMER: Thank you.

5 MR. GRIFFON: -- sampling from Bethlehem  
6 Steel.

7 DR. ZIEMER: Thank you. See, this is  
8 exactly the kind of run you'd like to get if you  
9 were in Las Vegas. You're putting your money on  
10 Bethlehem Steel. Right?

11 DR. ANDERSON: Right.

12 DR. ZIEMER: Okay. Are we ready to vote  
13 on the motion to amend, which would be to  
14 eliminate those last five Bethlehem Steels and  
15 add the last five on the list, and that would  
16 give us our list of 20?

17 All in favor, aye.

18 (Affirmative responses)

19 DR. ZIEMER: Any opposed, no?

20 (No responses)

21 DR. ZIEMER: Any abstentions? Let me --  
22 I'm going to ask a question here. On doing this,  
23 do Board members have to recluse (sic) themselves  
24 if they're associated with one of these  
25 facilities?

1 MR. ELLIOTT: Yes.

2 DR. ZIEMER: No, I think -- I think it's  
3 an issue we have to --

4 MR. ELLIOTT: Yes. No, it is an issue  
5 that you have to face. If -- I'll remind you of  
6 your conflict of interest waivers. You have --  
7 each of you -- may or may not -- have a waiver  
8 letter, and in that waiver letter it will specify  
9 what you must affirmatively recuse yourself on,  
10 which site -- or sites. And I have a listing  
11 here if it helps, if you don't remember what your  
12 waiver letter says.

13 DR. ANDERSON: So did that --

14 DR. ZIEMER: Now --

15 DR. ANDERSON: -- (Inaudible) not have  
16 voted on Bethlehem is the question.

17 DR. ZIEMER: Well, but you see, the  
18 bigger issue is in voting on that you are also  
19 voting to include some other sites. It's not --

20 MR. ELLIOTT: That is not a problem, I  
21 do not believe. It's when you get into --

22 DR. ZIEMER: You're not really doing  
23 anything with respect to evaluating it. It's  
24 just the list of --

25 MR. PRESLEY: (Off microphone) Somebody

1 else could take that site.

2 MR. ELLIOTT: That's right. That's  
3 right. You should recuse yourself if someone  
4 wants to give you a site to review -- a case from  
5 a site to review that you are -- your waiver  
6 letter says you must recuse. This general kind  
7 of voting I think is -- on -- on what to include  
8 or exclude, is not a problem at this point.

9 DR. MELIUS: Just on the conflict of  
10 interest issue, like for myself, I believe I  
11 would have conflict, but it wouldn't be on any  
12 parameter that would be available here. It  
13 wouldn't be until I saw the case file.

14 DR. ZIEMER: Right.

15 DR. MELIUS: It would be an  
16 occupational, I -- I don't think it's likely to  
17 occur, but -- but it would be -- so -- so some of  
18 that may be -- you know, like at least for me,  
19 it's -- I won't know until I see the case.

20 MR. ELLIOTT: That is true, you wouldn't  
21 know until you saw the case name.

22 DR. MELIUS: Right.

23 MR. ELLIOTT: The name of the  
24 individual.

25 DR. MELIUS: And some more information,

1 in which case I think then -- then we have to  
2 have a procedure for --

3 MR. ELLIOTT: Right.

4 DR. MELIUS: -- reassigning that case.

5 MR. ELLIOTT: That's -- yes, that's  
6 correct.

7 DR. ZIEMER: Okay. We have now accepted  
8 a list of 20 cases that will constitute the  
9 initial review. I want to call on John Mauro to  
10 describe for the Board how your team will handle  
11 this, and then that will help them to understand  
12 what we have to do.

13 MR. ELLIOTT: Can I verify for the  
14 record who made that motion? I think Dr. DeHart  
15 seconded it, but --

16 DR. ZIEMER: Well --

17 DR. MELIUS: I did.

18 DR. ZIEMER: -- we're going to attribute  
19 it to Jim Melius.

20 MR. ELLIOTT: Okay. Now we stand  
21 corrected.

22 DR. MAURO: Our proposal lays out  
23 basically what I'll be summarizing, and our  
24 proposal, as you folks probably know, is part of  
25 the contract. So in essence, when the first set

1 of 20 cases come in, at that point I distribute -  
2 - well, first and foremost, this issue of --  
3 Privacy Act issue is critical 'cause I believe  
4 these cases will have the identification.

5 DR. ZIEMER: Yes.

6 DR. MAURO: So first and foremost, we  
7 have to make sure that we are all cleared from a  
8 Privacy Act training perspective, and everyone  
9 understands the seriousness of this. There will  
10 be -- right now I anticipate -- we have  
11 identified what I call case managers. These are  
12 five very senior people, all of whom have some  
13 specialty, expertise. They have many, many years  
14 of experience, advanced degrees, but some of them  
15 have more expertise in external, some more  
16 internal, some really know an awful lot about  
17 uranium or plutonium. We have five lead people  
18 that I call case managers. Okay?

19 What I'm go-- what I -- my plans are to  
20 distribute all the 20 cases to these five people,  
21 in addition to distribute it to -- for some of  
22 those -- some of those sites are currently in the  
23 pipeline for site profile reviews, so for those  
24 cases -- for example, as we all know, Bethlehem  
25 Steel is the first one that looks like is going

1 to move through our pipeline for site profile  
2 review, so by all means the task leader for  
3 Bethlehem Steel will also receive the cases  
4 dealing with Bethlehem Steel. Because what I'd  
5 like to do is to make sure there's a linkage  
6 between the case managers and the folks who are  
7 leading the tasks regarding site profiles, so we  
8 take advantage of the knowledge base that  
9 currently exists within our team on Bethlehem  
10 Steel, for example.

11 Okay, so let's -- let's say -- so -- so  
12 on -- the first step in the process would be to  
13 distribute the -- the C-- I assume -- they'll  
14 come out in the form of CDs with -- with all the  
15 records, would probably go out to on the order of  
16 -- I would say perhaps eight or nine people  
17 within our organization will get them all. Okay?

18 They'll all have probably a few days just to  
19 scan through them -- okay? -- so they get an  
20 appreciation for what the -- the nature of the  
21 problem is. Then we're going to meet in McLean.

22 In the McLean meeting, it's at that point where  
23 we're going to deal them out, so to speak. My  
24 thinking is right now, each case manager will get  
25 -- we have five case managers -- will get four

1 cases. Okay? Each person will get four cases.

2 We have our procedures. It's all laid  
3 out in our proposal. We have an Appendix C to  
4 our proposal, which is the procedures that we're  
5 going to follow to perform these reviews. One of  
6 the things that I'm starting to realize is that  
7 those procedures are -- probably will -- are --  
8 are a living document. That is, as we learn,  
9 we're going to find out that they may be too  
10 cumbersome. Because of the efficiency approaches  
11 you folks have taken, it may not be necessary to  
12 go through the -- but I'm getting adrift here.

13 So what happens is each person is going  
14 to have a mandate. Each case manager will have a  
15 mandate. This mandate will be to review that --  
16 their -- his or her four cases within a certain  
17 time period and with a certain work hour  
18 allocation, so that they have a budget. And then  
19 they're going to dive in.

20 Now they have the -- now within the work  
21 hour budget they have, they can draw upon any one  
22 of the 33 people that are on our team. That is,  
23 we have a team -- team of 33 individuals, some of  
24 which have very, very specialized expertise --  
25 for example, in interpreting film badge

1 dosimetry. They can draw upon that expertise,  
2 any expertise they care to, but within the  
3 constraints of their work hours and the time  
4 allotted to them.

5 When they're through, they're not going  
6 to have a report but they will have their notes,  
7 their findings and their -- their initial  
8 perspective on the areas where there may be  
9 strengths or weaknesses or problems with the  
10 particular case. We will all reconvene -- let's  
11 assume for now, for the time being, that we could  
12 do that in one month. Okay? So on day one, we  
13 -- we have this meeting where we deal out all  
14 these cases. One month later, we all reconvene  
15 back in McLean and each person will get up before  
16 the rest of our team and tell their story  
17 regarding each case and explain what they found  
18 and their rationale for what they found. It'll  
19 be discussed. I'm envisioning that -- for --  
20 each person will require about a half a day, so  
21 we probably would have a three-day meeting in  
22 McLean of the team, go over all 20 and have a  
23 chance to interact. Then each pers-- after that  
24 interaction, each person would go back and write  
25 his report regarding his findings, in light of

1 the discussions that were held. Once that report  
2 is completed, it represents a draft report. At  
3 that point that draft report will undergo our QA  
4 process. We have a QA -- our QA -- you'll see  
5 our QA procedure, make sure everything is signed  
6 off as appropriate, and then it's delivered to  
7 the Board.

8 Now I understand at some point in this  
9 process the Board want-- you mentioned the Board  
10 being involved where -- any place in the process  
11 either the Board or NIOSH's folks certainly could  
12 step in.

13 DR. ZIEMER: Let me describe what the  
14 subcommittee was thinking about in that regard.  
15 At the point that the team gets together in  
16 McLean the second time, which is when you share  
17 your information but you don't have a written  
18 report, that for each case as it came up -- like  
19 at 8:00 a.m. on a certain day, this case is going  
20 to be discussed, and let's say that Mike and Tony  
21 were the Board contacts, they would be on a  
22 conference call with your team, have the  
23 opportunity to feed comments in or -- and hear  
24 your discussion. You're then going to develop a  
25 written report for that case --

1 DR. MAURO: Yes.

2 DR. ZIEMER: -- and later, probably the  
3 day before the Board meeting where we get  
4 together, those two would meet with your team  
5 person --

6 DR. MAURO: Okay.

7 DR. ZIEMER: -- for reviewing the final  
8 report, and that would have to happen 20 times.  
9 We have essentially ten Board members, so each of  
10 our people are going to have several cases.  
11 Let's see, how's that going to work out? We're  
12 going to have five teams time-- we're going to  
13 have four cases apiece, also. So any one of us  
14 would have -- and in between would have the  
15 opportunity to interact by -- and Leon, but --  
16 12. And in be-- and because of conflict of  
17 interest, things may be -- maybe not everyone  
18 will have that same total cases, so we'll have to  
19 divvy that up. But also have the opportunity to  
20 e-mail your contact person if you have comments  
21 to feed in in between.

22 DR. MAURO: Uh-huh.

23 DR. ZIEMER: And then the other thing  
24 that will have to happen with all those cases is  
25 the rollup, which will constitute the official

1 report, which is the public report which rolls up  
2 all the cases into the summary -- whatever we  
3 called that, statistics -- not statistics but the  
4 summary findings, which is kind of a compilation  
5 of all of that. That's how we're envisioning it.

6 Now -- so...

7 DR. MAURO: Could -- just logistically -  
8 - so there is going to be -- that -- there's that  
9 one month where we receive the documents. Okay?

10 We have everyone go through their review  
11 process. Okay? Not quite sure whether it's  
12 going to require a full month, or maybe it'll be  
13 just a couple of weeks, so -- but we know what we  
14 have here is -- what we really -- what I'm  
15 hearing is what we have here is two-month  
16 increments to deal with 20 cases. Basically over  
17 that two-month period we want to go from the 20  
18 cases arriving at SC&A to two months later being  
19 in a position to give a pre-- to deliver hard  
20 copy or electronic versions of our reports  
21 regarding each case -- which of course would be  
22 confidential -- and also prepare aggregate report  
23 that would be appropriate for presentation before  
24 the Board.

25 DR. ZIEMER: Right, the rollup.

1 DR. MAURO: And that all has to happen  
2 over that two-month period. During that time  
3 period there will be a lot of interaction between  
4 our case managers and the two individuals that  
5 would be assigned to each case, so there'd be a  
6 very active dialogue there. Okay? That's --  
7 that's fine, though. Okay.

8 DR. ZIEMER: That's how we're  
9 envisioning it. Gen?

10 DR. ROESSLER: Do the Board members  
11 involved get the CD at the same time that --

12 DR. ZIEMER: Yes. You will have the CD  
13 -- you'll have the same body of information as  
14 the person working it up, yes.

15 Robert?

16 MR. PRESLEY: Is that going to give you  
17 enough time, if we all meet together the day  
18 before the meeting, to roll up a final report?

19 DR. MAURO: Yeah, the logistics of this  
20 is -- I'm not sure. I don't know -- I can't --  
21 you know, this is...

22 MR. GRIFFON: (Off microphone) This is a  
23 pilot (Inaudible).

24 DR. MAURO: Let's think about it. I  
25 mean what do we have? Okay.

1 MR. ESPINOSA: (Off microphone)

2 (Inaudible) with conference calls and stuff.

3 MR. PRESLEY: Well, that's what I'm  
4 wondering, if --

5 DR. ZIEMER: Don't all talk at once,  
6 now. Robert, then --

7 MR. PRESLEY: That's what I'm wondering,  
8 if we cannot make some decision on the four cases  
9 that we've got sometime prior to that meeting and  
10 say okay, you know, we either agree or we  
11 disagree, or here's our findings that we don't  
12 agree with, so that when we come back to the  
13 meeting, a lot of this is going to be done.

14 DR. MAURO: I would suggest that once we  
15 have our internal draft report, we say okay, I  
16 think we have -- you know, we have our orals, the  
17 orals, and you'll be listening to the orals --

18 MR. GRIFFON: Right, right.

19 DR. MAURO: -- so you okay, so you'll  
20 get your first sense of where we're coming at,  
21 and we'll calibrate at that point. You'll be at  
22 least at a point that -- where we get some  
23 feedback, are we seeing the monster the same way,  
24 are we seeing the issues the same way. So  
25 there's the first stage of calibration. That's

1 good. So that -- and we'll have a whole month in  
2 front of us now. Okay? Or more, you know,  
3 because -- or more. But I think what is  
4 important, I hear what you're saying, is I think  
5 we deliver our report in draft form to all 20 of  
6 them a week before the meeting, so that gives us  
7 -- 'cause the logistics of interaction and  
8 refinement -- if we -- that would be the ideal  
9 situation, if we could actually go from the oral  
10 presentation, three weeks later have a draft  
11 report that will go to you folks, and we have an  
12 opportunity to discuss it, that would give us  
13 time to -- especially this first time through. I  
14 mean this is ideal. If we can do that, that -- I  
15 think that would give us the time -- you're  
16 absolu-- the day before will not work. You're  
17 absolutely right, the day before will not work.

18 DR. ZIEMER: Okay, thank you. That's a  
19 good point. And the -- the day before the  
20 meeting -- I think as we envisioned it, the full  
21 Board would be sitting there in terms of various  
22 working groups. But it now becomes a full Board  
23 session -- closed session 'cause we're dealing  
24 with cases -- where each team would present their  
25 findings and you would have already seen what

1 your particular cases involved, and we would have  
2 an opportunity to look at the draft rollup at  
3 that time and consider that, as a full Board.

4 MR. GRIFFON: One question I had on the  
5 -- you know, we would have the CDs and access to  
6 the -- Larry said the same information that the  
7 contractor would. One exception I've been  
8 thinking about since the presentation yesterday  
9 was the reference database, and I wonder if  
10 there's any way that the Board can get the same  
11 access that the contractor has to NIOSH's  
12 reference database. Because if we read through  
13 these dose reconstructions and they reference  
14 certain documents that we don't have -- I suppose  
15 we could go through this process of requesting  
16 them, but if they're all in this database, it  
17 might be a lot more efficient if we had the same  
18 access that SCA has. I don't know what that  
19 involves, but if that's possible, I think that'd  
20 be helpful.

21 MR. ELLIOTT: I certainly agree it'd be  
22 helpful. I'm not sure how we've got it arranged  
23 to give access to -- to you. John, have you --  
24 Jim -- Jim's not in the room right now. I would  
25 need his input on this.

1 DR. ZIEMER: We can follow up on that  
2 and --

3 MR. ELLIOTT: But let me offer -- I'm a  
4 little bit lost here on the dialogue between Bob  
5 and John. The full Board can't meet as a full  
6 Board on a conference call. That's a full Board  
7 meeting.

8 DR. ZIEMER: No, no. No. No, this is -  
9 - this -- the conference calls are only  
10 individual team members with their contact.  
11 We're talking about a full Board meeting the day  
12 -- a closed Board meeting the day before the two  
13 -- the regular open meeting where we would hear  
14 all of the cases --

15 MR. ELLIOTT: Understood. Understood.

16 DR. ZIEMER: In other words Bob would  
17 say -- Bob would present his four cases and their  
18 findings --

19 MR. ELLIOTT: In order for us to effect  
20 a closed meeting, we need to understand how much  
21 time you want and what -- and we have to state a  
22 purpose for that, which I think we know for sure  
23 what that purpose is, but the time element is a  
24 little bit nebulous to me right now, so if you  
25 want a full day, that's what we'll -- we'll ask

1 for and get. If you want a half a day, that's  
2 what we'll ask for and get. So --

3 DR. ZIEMER: We're talking about I think  
4 hearing 20 ca-- no, this -- this becomes the full  
5 Board, not the subcommittee. This becomes the  
6 full Board to hear the cases summarized. 'Cause  
7 we're all going to present to each other the  
8 cases that we're responsible for. The contractor  
9 would be there --

10 MR. GRIFFON: To hear -- to hear the  
11 cases, and then I suppose also the --

12 DR. ZIEMER: And the findings --

13 MR. GRIFFON: -- summary -- and the  
14 summary rollup --

15 DR. ZIEMER: -- and the draft summary --

16 MR. GRIFFON: Right, right, I think we -  
17 -

18 DR. ZIEMER: And then the draft summary  
19 could be brought -- well, would be brought to the  
20 open meeting.

21 MR. ELLIOTT: The draft summary, if it's  
22 prepared in time, could be sent to each of you as  
23 a pre-decisional, deliberative document that you  
24 would be required not to share with -- you know,  
25 but you could at least get your eyes on it before

1           you came together in a group, in a meeting.

2                     DR. ZIEMER:   Gen Roessler and then  
3           Robert.

4                     DR. ROESSLER:   On the mechanics of  
5           receiving these CDs and receiving these reports,  
6           which are all confidential, I'm trying to figure  
7           out how they're going to arrive and how we're  
8           going to handle it if we're on travel or  
9           something when they arrive.

10                    MR. ELLIOTT:   Next week we will prepare  
11           the CDs for you and send them out, so we need to  
12           know where you want those delivered to, and we  
13           will Fed Ex them to you.   So -- and I was just  
14           reminded that the Fed Ex package will be marked  
15           confidential and to be opened only by you.   These  
16           won't -- the other way we can do it is registered  
17           mail, but I'm more confident that Fed Ex is the  
18           way to go.

19                    DR. ZIEMER:   Robert?

20                    MR. PRESLEY:   The only problem that I  
21           see with this is -- is that we will have to make  
22           sure that when you have your review where we call  
23           in is that -- I presume you're going to do that  
24           in three days.   We could -- and it'll all be the  
25           same conference call number -- that we recuse

1           ourself to make sure that -- like myself -- I  
2           don't listen in on anything that I shouldn't be  
3           listening in on.

4                   MR. ELLIOTT: I think you're going to  
5           have to coord-- this is a logistical nightmare  
6           for your contractor to coordinate the conference  
7           calls with the appropriate members on the  
8           appropriate cases. Otherwise, you can't just  
9           call in and sit and listen.

10                   DR. ZIEMER: He's going to have to have  
11           a list of who the team members are for each case.  
12           When that case is ready, they probably will call  
13           from your end --

14                   MR. ELLIOTT: And it won't be the other  
15           members of the Board.

16                   DR. MAURO: There is a logistics problem  
17           because you see, we're going to sort -- think of  
18           it like this. It'll be a person. He'll be a  
19           case manager. He'll have four cases. Some of  
20           those cases -- say in your case -- might be  
21           perfectly appropriate for you to sit in on that  
22           two-hour, three-hour -- but some of them, you may  
23           not. So what we will do is -- I think it's  
24           important on our part to understand fully -- you  
25           know, that is -- case manager number one has

1           these four cases. He's -- at this time period on  
2           this day, he's going to give a presentation  
3           before our crew on those four cases. You will  
4           certainly be informed of that, and then you'll be  
5           in a position to have -- you know, to alert us.  
6           When we're ready to move on to the next case, the  
7           problem then becomes if you'll have to recuse  
8           yourself from that one -- we're talking about --  
9           that means someone else would have to come in.

10           DR. ZIEMER: Right.

11           DR. MAURO: And you need to know -- you  
12           all need to know our plans well in advance so  
13           that you -- we could work this out. This is a  
14           tough nut.

15           DR. ZIEMER: Right.

16           DR. MAURO: So -- but, yeah. But we'll  
17           give you that information. We'll give you that  
18           information.

19           DR. ZIEMER: I want to throw one other  
20           thing into the hopper. Thank you, John. We  
21           appreciate that; it's very helpful.

22           One other thing in the hopper is that we  
23           have proceeded on the assumption that these are  
24           20 basic reviews. The Board has the option of  
25           saying that we want to do some advanced reviews,

1           although my recommendation is this first time  
2           around we might be better just to do this, learn  
3           the process, before we get into advanced reviews  
4           -- unless anyone thinks that we should do an  
5           advanced review this time around.   Yes, Henry?

6                     DR. ANDERSON:   I thought at the  
7           subcommittee meeting we discussed that we start  
8           them all out as basic, and then at the verbal  
9           discussion it may say this is, you know -- we  
10          would then select some of those, rather than  
11          randomly select for in-depth review.   I mean that  
12          was one way to go about it.

13                    DR. ZIEMER:   Right, and we had some  
14          discussion as to whether or not you'd want to do  
15          a random selection on advanced reviews or if you  
16          want to pick a case.   You can argue either way.  
17          I was arguing for -- for not sort of prejudging  
18          which ones would be the advanced reviews based on  
19          what you find, but you can argue both ways.   But  
20          anyway, I think for this round, unless there's  
21          strong sentiment otherwise, we'll consider these  
22          as 20 basic reviews.   We learn the process, the  
23          contractor learns the process.   We're getting up  
24          to speed, as it were.   Is that -- any objections  
25          to that?

1 Rich, you have a comment?

2 MR. ESPINOSA: Not a comment, just a  
3 question. I was just kind of wondering how the  
4 teams'll be selected.

5 DR. ZIEMER: We're going to do that in a  
6 few minutes. That is -- to some extent, there'll  
7 be a self-selection process 'cause you know the  
8 ones that you can't be on, if any, and -- and we  
9 start looking for volunteers and see how things  
10 proceed.

11 Roy?

12 DR. DEHART: For convenience, can we  
13 just number these sequentially, so we can have  
14 one, two, three, four -- and how do we identify  
15 them otherwise?

16 DR. ZIEMER: I'm going to -- I'm going  
17 to tell you you can unofficially number them, but  
18 I've been told that we are not to associate any  
19 identification numbers with cases. So we don't  
20 want to refer -- can --

21 MR. GRIFFON: (Off microphone) Why not?

22 DR. ZIEMER: We'll get to --

23 MS. HOMOKI-TITUS: You can unofficially  
24 number them to assist you in your process, and  
25 then once you sort them, NIOSH will send you --

1 DR. ZIEMER: Some sort of number.

2 MS. HOMOKI-TITUS: -- some sort of --  
3 they'll be identified when they're sent to you.

4 DR. ZIEMER: There will be -- there will  
5 be a number to link it to a case number,  
6 eventually. But in the open meeting we cannot  
7 have a linkable number, so these are not numbered  
8 right now. But for convenience, we can call  
9 these one through 20.

10 DR. MELIUS: But going forward, there  
11 will be a --

12 DR. ZIEMER: There will be a specific  
13 number. Pardon me?

14 MR. GRIFFON: I'm just -- I don't know  
15 if this is going to be an issue down the line. I  
16 think it would be easier just to have the  
17 linkable number. I mean you think of the CEDR  
18 database, everything in there has a CER ID  
19 number, which is linked back to a file --

20 MR. ELLIOTT: We could --

21 MR. GRIFFON: -- that's only held at --  
22 and that's public domain.

23 MR. ELLIOTT: You could -- you saw this  
24 earlier where on the previous runs Todd did for  
25 you he had A-1 --

1 MR. GRIFFON: Right, right, right.

2 MR. ELLIOTT: -- B-1, we --

3 MR. GRIFFON: That's what I'm saying,  
4 that would be --

5 MR. ELLIOTT: -- could do that here. We  
6 can just assign these a number. He probably  
7 already has them assigned an identifier where we  
8 can key back to the claim number.

9 MR. GRIFFON: My argument is, why don't  
10 -- if we had that on the -- on the sheet right  
11 here in front of us, then the number we assign  
12 would be the number -- you know, there'd be no  
13 confusion.

14 MR. ELLIOTT: Fine, fine. Todd, do you  
15 know what your numbering system is?

16 MR. GRIFFON: I don't -- Liz might  
17 disagree with me, though. We had this discussion  
18 --

19 MS. HOMOKI-TITUS: I'm sorry, I do  
20 disagree with you. I realize that there's  
21 another database out there that is numbered that  
22 way, but it probably shouldn't be, and I can't  
23 allow you guys to violate -- I'm not going to  
24 advise you to violate the Privacy Act in that  
25 manner. Like I said, you can informally number

1           these one through 20 so that they're --

2                   DR. ZIEMER:   Right now it's just --

3                   MS. HOMOKI-TITUS:  -- convenient for you  
4           to use --

5                   DR. ZIEMER:  -- for assigning, it would  
6           be one through 20.

7                   MR. GRIFFON:  (Off microphone) Okay, I'm  
8           not going to (Inaudible).

9                   DR. ZIEMER:  Just do it sequentially.

10                   MR. ELLIOTT:  You assign a number, we'll  
11           have the key.  Okay?  It's six of one, half a  
12           dozen of another I think, in my mind, but just so  
13           everybody here is clear, you need to have a PC  
14           that will handle a compact disk that will open up  
15           PDF HTML files.  Okay?  I hope everybody --  
16           that's universal, I think, pretty much standard  
17           now.  We will work with you on getting you access  
18           to our database systems that you heard about  
19           yesterday that ORAU has.  We're going to have to  
20           figure out how best to do that.  You're probably  
21           going to have to load what we call CITRX on your  
22           computers in order to access that database,  
23           either through our system or -- probably it'll be  
24           through the ORAU system, but we're going to have  
25           to work on that with you --

1 DR. ZIEMER: Wanda, did you --

2 MR. ELLIOTT: -- individually.

3 DR. ZIEMER: Wanda?

4 MS. MUNN: I was going to suggest that  
5 if our contractor could group the cases that his  
6 people were going to look at in such a way that  
7 they -- they obviously would themselves be people  
8 who did not have to recuse themselves from those  
9 sites. Then if they knew the sites we needed to  
10 be recused from, it would be simpler for both  
11 them and for us to match the fact that these  
12 people cannot look at these sites, these people  
13 cannot look at those. It would be simpler in the  
14 long run. It would be difficult, I think, at the  
15 outset to set that up, but it should be easy for  
16 us to identify which sites we must recuse  
17 ourselves from.

18 The other question that I had is -- and  
19 when we finish the rollup of the summary  
20 findings, who is going to present them to the  
21 Board?

22 DR. ZIEMER: We didn't get that far.

23 MS. MUNN: Well, if we're going to do it  
24 (Inaudible).

25 DR. ZIEMER: This is an audit that is

1 coming -- this is a report that is coming from  
2 our contractor, I think, to the Board. We will  
3 have seen it, but my -- my inclination is that  
4 the contractor presents their summary and the  
5 Board then takes action on it. That's how I  
6 would see it, unless others see it in some  
7 different way -- unless you're volunteering to  
8 present it to us, Wanda.

9 MS. MUNN: No, thank you. I'm willing  
10 to recuse myself.

11 DR. ZIEMER: One other related thing  
12 I'll just throw into the mix here to make sure we  
13 cover the bases. The IMBA material that some  
14 have requested I believe is now available --  
15 Larry, can you --

16 MR. ELLIOTT: You ready to hand that  
17 out?

18 DR. ZIEMER: You want to speak to that  
19 and tell us the status of that?

20 MR. ELLIOTT: We are ready to hand out  
21 IMBA. You will each receive a disk with your  
22 name on it. Your contractor will have a disk  
23 that they can load on their intranet for their  
24 use. I will also ask you to sign a non-  
25 disclosure statement at this point in time. You

1           should be aware that this disk has coded language  
2           in it so that if in fact you did share it with  
3           somebody, we can trace it back to your disk, and  
4           this is part of the agreement, the end-user's  
5           license agreement that we had to negotiate with  
6           the NRPB.

7                        I also think you need to discuss a  
8           training session.

9                        MR. PRESLEY:   (Off microphone) Yes.

10                      DR. ZIEMER:   Larry, you're specifically  
11           talking about an IMBA training session -- or a  
12           more general one, or both?

13                      MR. ELLIOTT:   Well, I think IMBA first,  
14           but -- I don't know.   Perhaps a training session  
15           overall.   I don't know how you feel about this,  
16           but IMBA is a -- the biological models themselves  
17           are complicated.   The engine that runs it, you  
18           know, takes -- is fairly intuitive, but it does  
19           take, you know, a little bit of guidance and  
20           walk-through just to make sure that you're  
21           familiar with it and understand what features it  
22           has and how it can do work for you.   So -- and we  
23           -- I would -- I would suggest -- I would offer  
24           that our contractor, ORAU, has a -- an approved  
25           set of tutorial procedures on IMBA that has been

1 used across all of their dose reconstructors.  
2 And if you want to avail yourselves of those  
3 procedures, we'll make those available to you.  
4 It will provide at least some consistency in  
5 approach. It will also give you some insight I  
6 think into the type of training procedures that  
7 ORAU has developed in this particular situation  
8 with IMBA.

9 DR. ZIEMER: So would that -- would that  
10 serve the purpose then -- in other words, this  
11 could be done without going to Cincinnati or  
12 something like that? Rich is shaking his head  
13 yes.

14 MR. ELLIOTT: Dick, would you like to  
15 come up and speak to that, as to how you see that  
16 working?

17 DR. ZIEMER: While Dick finishes chewing  
18 whatever he's eating, let me ask if -- if we can  
19 get a copy of this for each Board member, it  
20 doesn't have to be the signed copy, but once I  
21 give this back, I don't remember what I agreed  
22 to.

23 MR. ELLIOTT: Oh, yes, we will --

24 MS. HOMOKI-TITUS: Once you all sign it,  
25 we'll make copies for each of you.

1 DR. ZIEMER: Okay, thank you.

2 DR. ANDERSON: (Off microphone) Yeah,  
3 but it --

4 MR. ELLIOTT: Please speak into the  
5 mike.

6 DR. ANDERSON: The question is, it says  
7 here we have to register, and how do we do that?

8 MS. HOMOKI-TITUS: I believe that the  
9 way you do that is through the software. Just  
10 like any other software that you received from  
11 Microsoft, I believe it'll lead you --

12 DR. ZIEMER: Lead you through it.

13 MS. HOMOKI-TITUS: -- possibly will --  
14 does it lead you to a web site where you  
15 register?

16 DR. NETON: (Off microphone) No.

17 MS. HOMOKI-TITUS: No.

18 DR. NETON: (Off microphone) I'm sorry -  
19 -

20 MS. HOMOKI-TITUS: Okay, Jim's going to  
21 explain that then.

22 DR. NETON: I'm sorry, I got taken away  
23 for a second. Where are we at?

24 MR. ELLIOTT: We have issued IMBA and  
25 the question on the table is once they sign the

1 disclosure form, how do they register?

2 DR. NETON: Right. That'll -- that'll  
3 be -- that'll take place at the time that the  
4 EULA is issued, the end user license agreement,  
5 which is still in process. So any -- any  
6 notations in there that talk about signing the  
7 end user license agreement -- I think it says  
8 pursuant to the agreement. Well, the agreement  
9 has not been finalized yet, so this is a  
10 conditional sort of usage until you sign the  
11 ultimate end user license agreement. At that  
12 point it'll become clear as to how to register it  
13 with -- with ACJ\* & Associates.

14 DR. ZIEMER: So there'll be something  
15 else that --

16 DR. NETON: There'll be an additional  
17 requirement for you to sign the contents or the -  
18 - agree with the conditions of the end user  
19 license agreement. This is an interim usage we  
20 worked out with ACJ & Associates where the Board  
21 is authorized to use it fully under the  
22 conditions that are in that piece of paper you  
23 have now, and there will be more paperwork to  
24 come. That's about all I can tell you.

25 We have also made --

1 DR. ANDERSON: I mean that's not --  
2 that's not what we're signing.

3 DR. NETON: It's not what you're  
4 signing.

5 DR. ANDERSON: No.

6 DR. NETON: You're not signing the end  
7 user license agreement.

8 DR. ANDERSON: No, it says we have to do  
9 it, and then it also says we're required to  
10 register, and --

11 DR. NETON: Right.

12 DR. ANDERSON: You know, and then it  
13 says if we're in violation -- I mean it's a legal  
14 document that I'm agreeing to register, and I  
15 want to -- I want to register now for whatever  
16 I'm supposed to --

17 DR. ZIEMER: Well, it doesn't say when  
18 you have to do that, it says --

19 DR. ANDERSON: No, but...

20 DR. NETON: This is --

21 DR. ZIEMER: It's a little like fishing,  
22 you got to do it before you get caught.

23 DR. NETON: -- (Inaudible) issues and I  
24 can't speak to that. (Off microphone) Maybe we  
25 could put out some (Inaudible).

1 MS. HOMOKI-TITUS: Since it doesn't give  
2 you a limitation on when you must do this, I'm  
3 going on the record and telling you that you  
4 don't have to register it until we have a EULA.  
5 You'll have access to a copy of the EULA. This  
6 is just a preliminary -- we wanted to try to get  
7 this to the Board so it's the best we could come  
8 up with to try to protect the software  
9 manufacturer and us and you all. So there'll be  
10 a new agreement once the EULA's finalized.

11 MR. ELLIOTT: We don't expect the EULA  
12 to change based upon its content at this point in  
13 time. The problem here is that we're dealing  
14 with the NRPB and in -- in England right now, and  
15 we had some language inserted into the EULA about  
16 the U.S. Federal Acquisition Record -- or Regist-  
17 - what is it, Register --

18 DR. NETON: Federal Acquisition  
19 Regulations, a FAR.

20 MR. ELLIOTT: -- Regulations, and  
21 they're not familiar with it. And they're also  
22 on vacation during the month of August, and so  
23 that's been part of the difficulty in getting  
24 this put into place.

25 DR. ANDERSON: You know, I'm -- I'm just

1 saying that as a legal document, it says I will,  
2 in accordance with the terms set forth in the end  
3 user license agreement --

4 DR. NETON: I think it's pursuant --  
5 pursuant to the terms or something like that. I  
6 mean there's --

7 DR. ANDERSON: No, in accordance with  
8 the terms set forth --

9 DR. NETON: I understand pursuant to the  
10 EULA I am required to register, so there is no  
11 EULA --

12 DR. ANDERSON: No, no, number three I'm  
13 looking at now.

14 DR. NETON: Okay.

15 DR. ANDERSON: I don't know what the  
16 terms are, so how can I follow them if I haven't  
17 seen the EULA --

18 DR. ZIEMER: Your intent is to follow  
19 them and --

20 DR. ANDERSON: Yeah, well, I --

21 DR. ZIEMER: I would -- I --

22 MS. HOMOKI-TITUS: Right, this is your  
23 intent to follow them, and we -- as soon as the  
24 EULA is agreed to, we'll provide you a copy of  
25 it.

1 DR. ANDERSON: I mean --

2 DR. ZIEMER: But you know, if --

3 MS. HOMOKI-TITUS: Basically what you're  
4 agreeing --

5 DR. ANDERSON: I'm just saying --

6 DR. ZIEMER: But if you're hesitant --

7 DR. ANDERSON: -- as a legal document --

8 MS. HOMOKI-TITUS: If you're hesitant,  
9 we can pull the document back and take your  
10 software back.

11 DR. ZIEMER: -- just -- we can wait, but  
12 give back the disk.

13 MS. HOMOKI-TITUS: That's the best that  
14 we can do at this point.

15 DR. ANDERSON: Okay.

16 DR. ZIEMER: Gen Roessler has a  
17 question.

18 MR. ELLIOTT: Would it be helpful if you  
19 summarize what's in the EULA as we understand it  
20 now?

21 DR. ANDERSON: Yeah, that would be  
22 helpful.

23 DR. NETON: The conditions -- to my  
24 knowledge, the conditions of the end user license  
25 agreement are very similar to what you're looking

1 at here as far as non-disclosure and those type  
2 of issues -- sole use for -- on this project.  
3 That's -- it's standard -- it's standard license  
4 agreement -- no different that -- well, I won't  
5 say no different, but very similar to what you do  
6 when you got an Excel spreadsheet product from  
7 Microsoft, I will only use this for my own  
8 purposes or the conditions for which it was  
9 purchased, that kind of stuff. I mean there's no  
10 real surprises there. It's just that we're  
11 dealing with a foreign country's regulations  
12 versus ours.

13 DR. ZIEMER: Gen Roessler has a comment  
14 or question.

15 DR. ROESSLER: Well, this may be a  
16 detail, but I think it's an important one. The  
17 thing I'm going to sign says it's version 3.1.  
18 It says that in several places. The disk I got  
19 says version 3.2.03.

20 DR. NETON: Okay, that -- I think -- Liz  
21 can concur, I hope, that if you initial and date  
22 --

23 DR. ROESSLER: Can we just cross it out?

24 DR. ANDERSON: Oh, good.

25 DR. NETON: -- put the -- put the right

1 version there and initial and date it, I think  
2 we'll accept that.

3 MR. PRESLEY: Question.

4 DR. ZIEMER: Robert?

5 MR. PRESLEY: When I leave here, I'm  
6 going to leave the country for three or four  
7 days, and all of the -- all of my luggage and  
8 everything like that's subject to be searched.  
9 Should I let you all go ahead and send this to my  
10 house?

11 MS. HOMOKI-TITUS: Yeah, we can do that.

12 DR. NETON: We can send that to your  
13 home. That's not a problem.

14 MR. PRESLEY: I don't know, but it's --  
15 you never know.

16 DR. NETON: One thing that I will  
17 caution you is if you notice in small print on  
18 the cover, your name is embossed, so it is  
19 actually registered to you -- not on the cover,  
20 but on the disk itself, it is licensed to you.  
21 And I've been told by the vendor, and this is not  
22 specially put in there for the -- by the Board --  
23 or for the Board, but they can track who it's  
24 licensed to if copies of printouts end up  
25 circulating about with other users, that sort of

1           thing -- just to point out that that feature is  
2           part of the software.

3           MR. ELLIOTT: I already did.

4           DR. NETON: Oh, I'm sorry, I missed  
5           that.

6           DR. ZIEMER: Wanda.

7           DR. NETON: I'm being redundant here.

8           MS. MUNN: An easy question, I think.  
9           The description identifies 256 megabytes of RAM  
10          recommended. How much does it actually take up,  
11          how much space -- disk space, do you know?

12          DR. NETON: I have no idea. Oh, that's  
13          not disk space, that's RAM, so that would be  
14          memory.

15          MS. MUNN: I shouldn't say disk. How  
16          much memory?

17          DR. NETON: I think that might depend on  
18          what you're running. If you're running the  
19          thorium model, which has all kinds of daughter --  
20          progeny, rather, it would take up more, but I  
21          can't tell you.

22          MS. MUNN: Okay, that's fine.

23          DR. NETON: I think the specification  
24          basically says if you run all the features and  
25          you have 256 megabytes, it shouldn't crash. It

1 should run.

2 MS. MUNN: And everything else on my  
3 system goes down.

4 DR. ZIEMER: Gen Roessler has a comment?

5 DR. ROESSLER: (Off microphone)  
6 (Inaudible)

7 DR. ZIEMER: No comment? Rich, a  
8 comment?

9 MR. ESPINOSA: I can see myself putting  
10 this on pretty much every computer I use -- one  
11 at the union hall, one at work, one at home and  
12 one on my laptop, you know. Are there any legal  
13 issues with that? I can imagine one being with  
14 the union --

15 MR. ELLIOTT: You will need to make sure  
16 and assure us that your -- each computer you load  
17 this on is password-protected --

18 MR. ESPINOSA: Okay.

19 MR. ELLIOTT: -- and has a time out on  
20 it. We'll have to send you all a copy of our --  
21 I think you've already done this in some cases --  
22 have they not done the SAFE -- if you come to our  
23 offices, the last -- the working group session,  
24 you had to go through SAFE, which is a training  
25 session on how to protect your computer and

1 privacy information on your computer.

2 MS. HOMOKI-TITUS: The only thing I want  
3 to be sure that you understand is if you put it  
4 on all of those computers, you are the only one  
5 who's allowed to use it.

6 MR. ESPINOSA: Yeah, I know.

7 MS. HOMOKI-TITUS: You -- as long as you  
8 have a way of protecting it, if you put it on a  
9 computer, then no else is going to be able to use  
10 that program.

11 MR. ESPINOSA: More than likely I'll  
12 just keep it on the laptop, but --

13 DR. NETON: (Off microphone) Yeah, I  
14 would (Inaudible). That would be my  
15 recommendation.

16 UNIDENTIFIED: (Off microphone) I think  
17 that'd be -- you'd better be real smart, Rich.

18 DR. ZIEMER: Any other questions or  
19 comments?

20 (No responses)

21 DR. ZIEMER: Do you wish to proceed and  
22 select the teams at this point for --

23 MR. ELLIOTT: (Off microphone) Can we  
24 have Dick speak to what you -- your question  
25 earlier since he's (Inaudible)?

1 DR. ZIEMER: Oh, yeah. What was the  
2 earlier question?

3 MR. PRESLEY: (Off microphone) Training.

4 DR. ZIEMER: Oh, training, yes. Dick?

5 DR. TOOHEY: Okay, very briefly, we've  
6 got about half a dozen training modules that --  
7 in the package for IMBA, and they start by just  
8 walking you through the program. Then there's a  
9 couple where you get a sample of bioassay data  
10 and it walks you through entering that, running  
11 the models. And then the final part is the test,  
12 which gives you one or two sets of bioassay data  
13 that you get to run yourself, and if you don't  
14 get the right answer, you don't get to do dose  
15 reconstruction under our policies. But we can  
16 make that available to you, either what we've  
17 done before, which is give you access to our  
18 server, or as, you know, stand-alone modules or  
19 whatever.

20 DR. ZIEMER: So it's self-tutorial.

21 Right?

22 DR. TOOHEY: Yes, it is. It's --

23 DR. ZIEMER: Wouldn't it be easier just  
24 to --

25 DR. TOOHEY: -- set up for --

1 DR. ZIEMER: -- do a disk?

2 DR. TOOHEY: -- remote users.

3 DR. ZIEMER: Yeah.

4 MR. ELLIOTT: Could you just send them a  
5 disk?

6 DR. TOOHEY: To the best of my knowledge  
7 and belief, to coin a phrase, we can do that.  
8 But you know, until I talk to my IT guys, I won't  
9 guarantee it.

10 DR. ZIEMER: If you will, try to find a  
11 way to get that training available to everybody.  
12 GIBSON HAS LEFT THE BUILDING.

13 DR. NETON: I have one more -- Larry,  
14 did you mention the fact that SC&A also is  
15 receiving a copy of this for distribution?

16 MR. ELLIOTT: Yes, and then there was a  
17 question that I attempted to answer with Todd's  
18 assistance about getting the Board members  
19 access, as we have given Sanford Cohen Associates  
20 access, to the databases. Now we need to figure  
21 out how to do that, whether it's through ORAU and  
22 give each member of the Board CITRX -- I don't  
23 know.

24 DR. NETON: No, this is a different  
25 issue. If we're talking about the site research

1 database that I discussed yesterday, that would -  
2 - that would go through ORAU. That's outside of  
3 the firewall, and so I'm not sure how that -- how  
4 did that come up in relation to IMBA? I guess I  
5 missed --

6 DR. ZIEMER: No, not in relation to  
7 IMBA.

8 MR. ELLIOTT: This is just in relation  
9 to reviewing cases, how can they get access to  
10 the documents that are relevant --

11 DR. MELIUS: (Off microphone) The  
12 reference documents.

13 MR. ELLIOTT: -- the reference that are  
14 considered relevant to the case.

15 DR. NETON: Fair enough. We'll have to  
16 work with ORAU to -- this would require a VPN, I  
17 believe -- a Virtual Private Network setup --  
18 much like what was established with Sanford Cohen  
19 & Associates, on each of your computers. And  
20 there's also some Privacy Act training that's  
21 mandatory under ORAU's policy.

22 DR. TOOHEY: (Off microphone) I'll waive  
23 the Privacy --

24 DR. NETON: He'll waive the Privacy Act  
25 for the Board. They've had several Privacy Act

1 training sessions. So -- but yeah, it is -- it  
2 is technically doable. We'll just have to work  
3 out the logistics -- through ORAU, though.

4 MR. ELLIOTT: So I want a commitment  
5 that we're going to do that very quickly --  
6 within the next -- can we say within the next two  
7 weeks, we're not only going to deliver these  
8 disks, we're going to deliver the IMBA training  
9 modules, we're going to deliver whatever  
10 mechanism we need to set up to allow them access  
11 to the data.

12 DR. NETON: I will commit for Dick,  
13 who's standing to my left here, let the record  
14 show.

15 MR. ESPINOSA: It might be a good idea  
16 to send out the confidentiality forms again.  
17 I've lost mine, but I know what I'm excluded  
18 from.

19 DR. ZIEMER: Which forms are you talking  
20 about?

21 MR. ELLIOTT: I have the conflict of  
22 interest sheet here for when you start your  
23 selection right now. I think -- did we get Mike  
24 Gibson's IMBA disk to him and get his non-  
25 disclosure statement?

1 UNIDENTIFIED: (Off microphone) Yes.

2 MR. ELLIOTT: Okay. And so we need to  
3 take care -- you know, in your selection, I can  
4 address each of your individual conflicts if you  
5 don't remember. If you also recall, every year  
6 you have to go through a new conflict of interest  
7 disclosure, filing an OGE 450 form and then that  
8 will trigger a new waiver letter.

9 DR. ZIEMER: You should have gotten that  
10 very recently 'cause this is the time of year  
11 they do it, isn't it, or is it --

12 MR. ELLIOTT: Yes, it's ongoing right  
13 now, and I will offer this, that there are  
14 additional -- or new -- new sets of eyes looking  
15 at these things and asking questions, and so  
16 we're going through that process at this point in  
17 time in the year. But you are to operate under  
18 the current waiver letter that you have been  
19 given. And if you have any questions about that,  
20 I have a chart here that speaks to each  
21 individual's -- Board member's conflict.

22 DR. ZIEMER: Okay. As far as the team  
23 assignments, now, how do you wish to proceed? Do  
24 you want to volunteer for certain ones or -- any  
25 -- I think we can allow that, if we just go down

1 the list. We're going to need two individuals  
2 for each case, and up to four cases per  
3 individual.

4 DR. ANDERSON: I guess just from the  
5 logistics of the phone call, it would seem if --  
6 if we can have the same two people share four  
7 cases --

8 DR. ZIEMER: That would be helpful --

9 DR. ANDERSON: -- rather than have --

10 DR. ZIEMER: -- it may not be always  
11 possible, but --

12 DR. ANDERSON: -- all 20 of them be  
13 different combinations of two.

14 MR. PRESLEY: (Off microphone)  
15 (Inaudible) just two cases.

16 MR. GRIFFON: (Off microphone) Up to --  
17 up -- yeah.

18 DR. ANDERSON: (Off microphone) Two --  
19 two people per case.

20 DR. ZIEMER: Two per case for four  
21 cases.

22 MS. MUNN: (Off microphone) Four cases.

23 DR. ANDERSON: (Off microphone) Yeah.

24 DR. ZIEMER: So for -- for example,  
25 let's take the first four cases on the list.

1           What -- do we have two individuals that have no  
2           conflict with any of those sites that want to do  
3           those four?

4                     MR. PRESLEY:   (Off microphone) I don't  
5           have any conflict (Inaudible).

6                     DR. ZIEMER:   I see we have quite a few.  
7           So shall we -- just want to take these in order,  
8           since -- I mean does anyone have a strong  
9           preference, you're just -- okay. So why don't we  
10          -- why don't we put Robert and Henry on the first  
11          four cases; is that agreeable?

12                    MR. PRESLEY:   (Off microphone) That's  
13          fine --

14                    DR. ANDERSON:   (Off microphone) Team A -  
15          -

16                    MR. PRESLEY:   -- with me.

17                    DR. ANDERSON:   -- team A.

18                    UNIDENTIFIED:   (Off microphone) Way to  
19          go, Robert.

20                    DR. ZIEMER:   Well, I'm not sure --

21                    UNIDENTIFIED:   (Off microphone) You're  
22          out of the country.

23                    MR. PRESLEY:   (Off microphone) Yeah, but  
24          you're not going to get anything for the next two  
25          weeks.

1 DR. ZIEMER: Now we may have to shift  
2 this --if we end up the last team with some  
3 conflicts, we may have to -- okay, the next four  
4 cases would be Savannah River, Bethlehem Steel,  
5 Oak Ridge and again Savannah River. Tony and  
6 Mark, are you okay on those?

7  
8 MR. GRIFFON: (Off microphone) Yes.

9 DR. ZIEMER: The next four would be  
10 Savannah River, Blockson, feed materials\* and  
11 Rocky Flats.

12 DR. ROESSLER: No, you missed --

13 DR. ZIEMER: Did I --

14 DR. ROESSLER: -- you missed nine.

15 UNIDENTIFIED: (Off microphone)

16 (Inaudible) Bethlehem.

17 DR. ROESSLER: Bethlehem.

18 DR. ZIEMER: Oh, another Bethlehem. I'm  
19 sorry -- Savannah River, Bethlehem -- or  
20 Blockson, Bethlehem and feed materials. Right?

21 MR. ELLIOTT: (Off microphone) Bethlehem  
22 Steel, Savannah River, Blockson and (Inaudible).

23 DR. ZIEMER: Right. Gen and Roy? Okay.  
24 Then we have Rocky Flats, Hanford, Savannah  
25 River and Rocky Flats again. Jim?

1 DR. MELIUS: (Off microphone) I'm okay,  
2 yeah.

3 DR. ZIEMER: Wanda?

4 MS. MUNN: (Off microphone) I can't do  
5 Hanford.

6 DR. ZIEMER: Oh, we got Hanford in  
7 there. Okay, I'll jump in.

8 MR. ESPINOSA: I could jump in on that  
9 one.

10 DR. ZIEMER: Okay, we'll put Jim and  
11 Rich. Then we have -- then we have Huntington,  
12 Savannah River, Y-12 and feed materials.

13 MS. MUNN: (Off microphone) Yeah, I can  
14 do that.

15 DR. ZIEMER: Now I've got a conflict  
16 with Y-12, so I'm going to --

17 MR. GRIFFON: We've got Leon and Mike,  
18 also.

19 DR. ZIEMER: I need to trade that.

20 UNIDENTIFIED: (Off microphone) Yeah,  
21 you've got Leon and Mike.

22 MR. GRIFFON: I don't think either one  
23 of those are conflicted for those four sites, are  
24 they? I don't know.

25 MR. PRESLEY: (Off microphone) Larry can

1 look and see.

2 MS. MUNN: I'm fine with those.

3 MR. GRIFFON: (Off microphone) Wanda's  
4 fine.

5 DR. ZIEMER: Do we have an odd number of  
6 people?

7 MR. PRESLEY: Yeah.

8 DR. ZIEMER: Okay. Oh, this worked out  
9 very well. The Chairman is (Inaudible).

10 MR. ELLIOTT: (Off microphone) You can  
11 pick which one (Inaudible).

12 UNIDENTIFIED: (Off microphone) Wanda --

13 MS. MUNN: (Off microphone) I've got  
14 Mike, do I?

15 MR. PRESLEY: (Off microphone) Wanda's -  
16 -

17 DR. ZIEMER: Wanda --

18 MR. ELLIOTT: Neither Mike or Leon are  
19 conflicted on those last four.

20 MR. GRIFFON: Can we say Wanda, Mike and  
21 Leon, since we're going to have an extra person?

22 DR. ZIEMER: We've got two extras then.  
23 We've done ten. We have -- Wanda and me are  
24 left.

25 MR. ELLIOTT: (Off microphone) Or you

1 can give three cases to a couple of groups.

2 DR. ZIEMER: Yeah.

3 MR. ESPINOSA: (Off microphone) There  
4 you go.

5 DR. ZIEMER: Maybe that's the way to do  
6 it. Then we'll just lighten the load on a  
7 couple.

8 (Pause)

9 DR. ZIEMER: This is very arbitrary.

10 MR. ESPINOSA: (Off microphone) Could  
11 you do it by site?

12 DR. ZIEMER: How about if -- yeah, let's  
13 -- would this be all right? Presley and Anderson  
14 take the first three. Let's take -- let's take  
15 the two Savannah Rivers --

16 MR. GRIFFON: Who's that for, the two  
17 Savannah Rivers?

18 DR. ZIEMER: There are two in a row  
19 there.

20 MS. MUNN: (Off microphone) Yes,  
21 (Inaudible).

22 MR. ELLIOTT: (Off microphone) Two  
23 Savannah Rivers and Bethlehem Steel.

24 DR. ZIEMER: And -- you know, I'd  
25 skipped one anyway, hadn't I? Or no? Let's see

1 -- two Savannah Rivers and Bethlehem Steel, and  
2 we'll give that to Wanda --

3 MR. ELLIOTT: (Off microphone) You had  
4 Tony and Mark, so --

5 MR. GRIFFON: (Off microphone) Yeah,  
6 we're already -- are you reassigning now?

7 MR. ELLIOTT: (Off microphone)  
8 Reassigning now?

9 DR. ZIEMER: Wait a minute, who'd I have  
10 there?

11 MR. ELLIOTT: You had Tony and Mark for  
12 the next four.

13 DR. MELIUS: Henry, I'll trade you a  
14 Savannah River for a Hanford.

15 DR. ZIEMER: I want to take one from  
16 each of those teams and just move them down or  
17 something. What's a way to do this?

18 (Pause)

19 MR. GRIFFON: (Off microphone) You could  
20 have teams of three for these first cases, too.

21 DR. ZIEMER: That's what I'm -- that's  
22 what I'm looking at.

23 MR. GRIFFON: (Off microphone)  
24 (Inaudible) person on it instead of moving cases  
25 around.

1 DR. ZIEMER: Well, I was going to have  
2 three cases per team for -- instead of four cases  
3 per team; it just lightens the load -- rather  
4 than having more people on a case. So -- so what  
5 I've got here is Presley and Anderson take the  
6 first three cases -- here's an easy way to do it  
7 -- then Andrade and Griffon take the next three,  
8 which would be Savannah River, Savannah River,  
9 Bethlehem -- is that all right? We just move you  
10 up?

11 DR. ANDERSON: (Off microphone) Then  
12 take the next three --

13 DR. ZIEMER: And then --

14 DR. ANDERSON: -- make it your  
15 (Inaudible).

16 DR. ZIEMER: No, I can't be in the next  
17 three 'cause there's an Oak Ridge there again.

18 DR. ANDERSON: Oh.

19 MR. GRIFFON: (Off microphone) I was  
20 just looking at that.

21 (Pause)

22 DR. ZIEMER: So we'll just move Gen --  
23 Gen and Roy up three. Are we still okay then?

24 MR. ELLIOTT: (Off microphone) Yep.

25 DR. ZIEMER: Oak Ridge, Savannah River,

1 Bethlehem?

2 DR. DEHART: (Off microphone) I can't do  
3 Oak Ridge.

4 MR. ELLIOTT: (Off microphone) Oh,  
5 that's right.

6 MR. GRIFFON: (Off microphone) You  
7 should have left Tony and I with Oak Ridge.

8 DR. ZIEMER: Okay, let's switch you.  
9 Let's -- let's put Roessler and DeHart for Rocky  
10 -- or Savannah River, Savannah River, Bethlehem.  
11 Is that better?

12 MR. GRIFFON: (Off microphone) Yeah.

13 DR. ROESSLER: (Off microphone) Okay, we  
14 just --

15 DR. ZIEMER: Second -- second team -- or  
16 second group will be Roessler and DeHart then.

17 MR. GRIFFON: (Off microphone) And then  
18 we -- then Tony and I have the next (Inaudible).

19 DR. ZIEMER: Then we have Tony and Mark  
20 the next three.

21 MR. GRIFFON: Which is -- just make sure  
22 I'm on the right line, Paul, that's Oak Ridge,  
23 Savannah River, Bethlehem?

24 DR. ZIEMER: Yes.

25 MR. GRIFFON: Okay.

1 DR. ZIEMER: Then -- then we can insert  
2 -- does that give us -- that gives us three open  
3 now. Does that give us Savannah River, Blockson  
4 and feed materials. Right? Which will now be  
5 Wanda and me. Are we okay?

6 MR. GRIFFON: Well, I was just -- I  
7 didn't know if -- just to make a suggestion, I  
8 don't know if it would make sense to have Mike  
9 and -- and Leon split with you and Wanda just to  
10 split the technical experti-- I don't --

11 DR. ZIEMER: Oh, sure, that's fine.  
12 Let's -- let's -- if we have no conflict, we can  
13 put Mike and me on -- that would be --

14 MR. GRIFFON: (Off microphone) Savannah,  
15 Blockson and feed materials.

16 MR. ELLIOTT: (Off microphone) That's no  
17 conflict.

18 DR. ZIEMER: That would be Savannah  
19 River, Blockson and Fernald. Right?

20 MR. GRIFFON: (Off microphone) Right.

21 DR. ZIEMER: And then Wanda will be with  
22 Mike (sic) on Savannah River, Y-12 and Fernald.

23 DR. ROESSLER: (Off microphone) You left  
24 out --

25 MR. GRIFFON: (Off microphone) Didn't we

1 leave out Huntington?

2 MR. ESPINOSA: (Off microphone)

3 (Inaudible) Leon.

4 DR. ZIEMER: With Leon. Now let's go  
5 through these again.

6 MR. GRIFFON: (Off microphone) Yeah,  
7 read (Inaudible).

8 DR. ZIEMER: The first three are Presley  
9 and Anderson.

10 MR. ELLIOTT: And can we -- can we  
11 number these as we go, 'cause --

12 DR. ZIEMER: Yeah.

13 MR. ELLIOTT: -- I'm going to send these  
14 to you and I want to make sure I get the right  
15 ones to the right people.

16 DR. ZIEMER: One, two and three --

17 MR. ELLIOTT: One, two and three go to -  
18 -

19 DR. ZIEMER: -- Presley and Anderson.  
20 Four, five and six go to --

21 MR. GRIFFON: (Off microphone) Roy and  
22 Gen.

23 MR. PRESLEY: (Off microphone) Roy and  
24 Gen.

25 DR. ZIEMER: Right, Roessler and DeHart.

1           Seven, eight, nine go to Andrade and Griffon.

2                   MR. GRIFFON: Then we skip one, just so  
3 Larry knows. Right?

4                   DR. ZIEMER: What? Then -- well, this  
5 now becomes ten.

6                   MR. GRIFFON: Right.

7                   MR. PRESLEY: (Off microphone) Savannah  
8 River --

9                   DR. ZIEMER: Ten, 11 and 12 will be  
10 Gibson/Ziemer; 13, 14, 15, 16 --

11                   MR. ELLIOTT: (Off microphone)  
12 (Inaudible) 14.

13                   MR. PRESLEY: (Off microphone)  
14 (Inaudible) 14.

15                   DR. ZIEMER: Huh?

16                   MR. PRESLEY: (Off microphone) 13 and  
17 14.

18                   DR. MELIUS: Richard and I.

19                   DR. ZIEMER: I have four of them for  
20 you.

21                   DR. MELIUS: (Off microphone) Yeah, we  
22 have --

23                   DR. ZIEMER: I have 13, 14, 15, 16,  
24 Melius and Espinosa.

25                   DR. MELIUS: (Off microphone)

1 (Inaudible) 18 was up, too, you know.

2 DR. ZIEMER: And then Leon and Munn will  
3 be 17, 18, 19, 20. Okay.

4 MR. ELLIOTT: Just so I make sure, can I  
5 read --

6 DR. ZIEMER: Yep.

7 MR. ELLIOTT: Okay, if you number these  
8 and you drop out the bottom five Bethlehem Steels  
9 so they're not numbered -- right? -- we're going  
10 to give number one, two and three to Bob and  
11 Henry; four, five and six to Gen and Roy; seven,  
12 eight and nine to Tony and Mark; ten, 11, 12 to  
13 Paul and Mike; 13, 14, 15 and 16 to Jim and Rich;  
14 17, 18, 19 and 20 to Leon and Wanda.

15 DR. ZIEMER: Uh-huh.

16 MR. ELLIOTT: Okay. You will see those  
17 disks coming at you next week, so we need to know  
18 if you're not going to be -- where you want them  
19 sent. If you're not going to be at your  
20 residence, I need to know an alternate location  
21 to...

22 (Pause)

23 MR. GRIFFON: They won't be there before  
24 Monday, will they?

25 MR. ELLIOTT: No, they won't be there

1 before Monday.

2 MR. GRIFFON: They won't be there on  
3 Monday -- or no? Okay.

4 MR. ELLIOTT: They will probably be sent  
5 out Tuesday, I imagine.

6 DR. ZIEMER: Okay, thank you very much.

7 MR. ELLIOTT: Tuesday or later --  
8 Wednesday.

9 DR. ZIEMER: Henry?

10 DR. ANDERSON: And as soon as we can get  
11 a date for when the contractor work group's going  
12 to be, it'd be helpful to know. I mean we're  
13 going to be tied in to a narrow window of calling  
14 --

15 DR. ZIEMER: John -- John, you'll let me  
16 know and I'll transmit that then.

17 DR. ANDERSON: 'Cause we could maybe  
18 shift -- if it's going to be three days, we could  
19 maybe shift to meet people's schedules.

20 DR. ZIEMER: Right.

21 MR. ELLIOTT: We need to send -- Bob,  
22 yours doesn't need to arrive until...

23 MR. PRESLEY: (Off microphone)  
24 (Inaudible) the 13th of September.

25 DR. ZIEMER: Now keep in mind, although

1 we've grouped these by four, keep in mind that  
2 the contractor could conceivably have four  
3 different people for your four cases. You're not  
4 necessarily working with a single contact.

5 UNIDENTIFIED: (Off microphone) Really?

6 DR. ZIEMER: Sure, because they're going  
7 to assign them based on expertise. We have  
8 assigned them, in a sense, arbitrarily. But no  
9 matter how you cut it, that's -- you're not --  
10 you're not necessarily going to be with one  
11 person.

12 DR. MELIUS: And I think we also have to  
13 recognize that it just may not be logistically  
14 possible for -- I mean (Inaudible) my schedule,  
15 some other people's, just try to pick out a date  
16 and times, it's going to be very, very hard.

17 DR. ZIEMER: And incidentally, the  
18 participation in the conference call would not  
19 necessarily be mandatory. If you're going to be  
20 on travel but had comments, you'd simply transmit  
21 them -- you're going to get feedback in any event  
22 from the contractor. Okay?

23 We need to take a lunch break and then  
24 aft-- first thing after lunch, at 1:30, is a  
25 public comment period. Let me -- I think we have

1 had some sign-ups, have we not, for public  
2 comment? We have at least one comment. And then  
3 we will proceed -- we have some other working  
4 items to take care of, including the minutes and  
5 the other documents from the contractor. So  
6 let's adjourn till 1:30 -- or recess till 1:30.  
7 We're not adjourning. You can leave your stuff  
8 here.

9 (Whereupon, a luncheon recess was  
10 taken.)

11 DR. ZIEMER: Just for the record, Henry  
12 Anderson, Mike Gibson and Roy DeHart have had to  
13 leave, so are not here for this afternoon  
14 session. We still have a quorum, however, and we  
15 will proceed.

16 PUBLIC COMMENT

17 This will be our public comment period.  
18 We have two individuals that have requested  
19 time. We'll begin with Richard Miller. Richard,  
20 the floor is yours.

21 Is there a mike -- hang on, it's coming.

22 (Pause)

23 MR. MILLER: Good afternoon. My name is  
24 Richard Miller -- is that too loud?

25 DR. ZIEMER: That's good.

NANCY LEE & ASSOCIATES

1           MR. MILLER: I'm with the Government  
2           Accountability Project. I apologize for not  
3           being at the last meeting, but I'm glad to be  
4           back.

5           I wanted to touch on several items  
6           today. The first is Blockson Chemical. We  
7           understand that earlier this week the Federal  
8           Register notice was published which changes yet  
9           again the definition of what is Blockson  
10          Chemical. We've discussed previously -- the  
11          policy issue here is whether you count the radon  
12          dose at the Blockson Chemical facility from the  
13          grinding of rock phosphate, and a year ago in  
14          July the Department of Energy published a notice  
15          which narrowed the Blockson Chemical facility to  
16          only building 55, which was where they  
17          precipitated out the uranium from the phosphoric  
18          acid. But the question was whether earlier steps  
19          in the chain had radiological consequences or  
20          potential consequences and whether that dose  
21          should be counted or not.

22          And then I, you know, just meandered  
23          onto the NIOSH web site and lo and behold we see  
24          that there is yet another site profile published  
25          at the end of June for Blockson Chemical. And I

1           couldn't tell whether it was my computer or  
2           whether it was the document, but page nine seemed  
3           to be blank. And I don't know if that's true or  
4           not, but if -- is -- has the question of whether  
5           radon is going to be counted been resolved in  
6           terms of the adjudication, particularly of the  
7           lung cancer cases, or is that still an unresolved  
8           issue?

9                     DR. ZIEMER: Do you or Jim want to  
10           answer that?

11                    MR. ELLIOTT: We haven't seen -- I'll  
12           look at the site profile. I'm concerned about  
13           page 19 being blank, so --

14                    MR. MILLER: Nine.

15                    MR. ELLIOTT: -- I'll check -- I'll  
16           check that out -- page nine?

17                    MR. MILLER: Page nine, yeah. Which was  
18           the one which referred to radon dose, so I just -  
19           -

20                    MR. ELLIOTT: That may be the reason why  
21           it's blank then --

22                    MR. MILLER: That's why --

23                    MR. ELLIOTT: -- because we had reserved  
24           --

25                    MR. MILLER: -- I'm asking.

1 MR. ELLIOTT: We had reserved that until  
2 we've fully considered the situation. I have not  
3 seen the Federal Register notice, nor were we  
4 notified by DOE that it was being changed. It  
5 was a surprise to us as it was to you. We still  
6 are considering how to go about reconstructing  
7 lung cancer doses and what we will do with regard  
8 to radon. We haven't arrived at a decision point  
9 on that.

10 MR. MILLER: So the revised site profile  
11 that's up doesn't -- doesn't close out that issue  
12 is what --

13 MR. ELLIOTT: No, it does not.

14 MR. MILLER: Okay, that's -- that's what  
15 I really wanted to get clarified on. Is -- is it  
16 -- is it sensible -- is this a sensible question  
17 for the Advisory Board to be taking up, I mean  
18 what dose do you count or not count? I mean  
19 doesn't that fall kind of within what this Board  
20 ought to be deliberating on, or is -- it just  
21 sort of strikes me -- I mean this has been  
22 hanging out there since October of 2003 when the  
23 first site profile was published. Now we're sort  
24 of winding the clock, it's -- you know, we're --  
25 you know, we're pushing to the fall of 2004. A

1 full year has passed. The issue's not resolved  
2 or closed, and you all haven't really had a  
3 chance to deliberate on this. And you know -- I  
4 mean Larry's obviously wearing the hat of the  
5 dose reconstructor. You're wearing the hat of  
6 the -- you know, the site profile manager, but  
7 you're also the one setting the agenda here. Is  
8 there a way to get this on the agenda once and  
9 for all and get it aired out and get at least  
10 some recommendations, whether the government  
11 accepts them or not?

12 DR. ZIEMER: I think the answer is yes,  
13 there is.

14 MR. ELLIOTT: Yes, there is. But the  
15 Department has not determined that it's an agenda  
16 item for the Board to take up at this point in  
17 time, so we'll have to come to our closure on it  
18 and provide it to the Board for its deliberation  
19 when the -- when it is appropriate.

20 MR. MILLER: Okay. Well, there's a  
21 draft site profile out there, so I figured it was  
22 appropriate once one's been published.

23 The second issue I wanted to touch on  
24 was the Special Exposure Cohort. You've got, as  
25 noted, several petitions filed. I wanted to

1 comment particularly on the Mallinckrodt one  
2 because I understand it'll be one of the first  
3 ones you all get, and I heard mention -- at least  
4 yesterday and it may-- probably wasn't a complete  
5 answer from -- from NIOSH staff, but they said  
6 well, we're looking at that sort of '42 to '46  
7 time period on -- on getting some kind of report,  
8 I guess was -- was -- was -- I don't want to  
9 characterize the words because they are what they  
10 are. Our sense of this -- looking at the  
11 Mallinckrodt site profile, at least -- is there's  
12 more to the Mallinckrodt site and whether dose is  
13 reconstructible than merely whether there was  
14 internal or external bioassay data undertaken  
15 between '42 and roughly '48. I believe they  
16 started doing some external dosimetry in around  
17 '46, and started doing more internals starting  
18 around '48. But there are -- the whole raffinate  
19 process where they took basically the -- the --  
20 the -- where they made filter cake, where they  
21 extracted the liquid raffinate, which was loaded  
22 with all of the actinium-bearing -- particularly  
23 actinium-bearing waste and other materials that  
24 were ultimately shipped to Mound -- right? None  
25 of that's been assessed in the site profile.

1           There's no actinium dose estimates. It's not  
2           even mentioned. I did a keyword search just to  
3           make sure it might have been mentioned, yet we  
4           know there's a lot of it. We know it's oozing  
5           out of the airport site where they dumped the  
6           raffinates in St. Louis. If that dose isn't  
7           estimable, why is that not also part of the  
8           consideration of what dose can or can't be  
9           reconstructed? I mean why is that outside the  
10          scope of -- of your research -- or is it? Am --  
11          am -- am -- am I prejudging and -- I -- you know,  
12          where y'all are headed with this? I mean that's  
13          -- I guess it's half a comment, half a question.

14                 MR. ELLIOTT: Well, Richard, this is a  
15          public comment period so your comments are noted  
16          and I'm not going to respond to questions of this  
17          -- this sort and type. It's premature. So --

18                 MR. MILLER: Right.

19                 MR. ELLIOTT: -- please -- please  
20          constrain your comments to comments, if you  
21          would.

22                 MR. MILLER: Well, I may --

23                 DR. ZIEMER: Well, the information is  
24          noted in the --

25                 MR. MILLER: I mean I think -- I think

1 this is not the first time that issue's been  
2 raised, but I -- I -- I am reacting to what we  
3 heard earlier in terms of the assessment of that  
4 petition and --

5 DR. ZIEMER: We hear what you're saying.

6 MR. MILLER: -- and -- and I would  
7 encourage that inquiry.

8 The second issue has to do with how this  
9 Board assesses the Special Exposure Cohort  
10 petition. And -- and although it -- it -- the --  
11 what le-- was left, at least from my perception,  
12 of unresolved in the SEC rulemaking and in the  
13 procedures which were posted, I guess, after your  
14 last Board meeting and -- and which have had a  
15 chance to read -- left me with this puzzle. If  
16 your SEC -- if you're going to determine that  
17 it's not feasible to estimate dose because you  
18 can come up with a maximum plausible worst-case  
19 dose estimate, but that is not the estimate which  
20 is going to be used for compensating cases where  
21 P of C exceeds 50 percent -- so in a non-  
22 efficiency framework -- what happens? Who falls  
23 through the cracks and how do you -- what's --  
24 what's -- yeah, what -- what is the logic of --  
25 what is the logic of your decision point? What

1 is the logic of the decision point? And I think  
2 you all need to rethink, re-examine -- as you get  
3 your first petitions in and think about your  
4 analysis, are we having people for whom there --  
5 they're in the class, you determine that you  
6 could come up with a worst-case dose estimate for  
7 them, but it turns out it's over 50 percent, so  
8 we're not going to apply the worst-case dose  
9 estimate to those people; we're going to try to  
10 come up with a better estimate. But you can't  
11 come up with a better estimate, but nevertheless  
12 there you are. They're not also eligible for the  
13 Special Exposure Cohort petition. And I -- I --  
14 I just think this is a question y'all have to --  
15 to wrap your minds around again. I -- I know  
16 you've heard me raise this more than once.

17 DR. NETON: (Off microphone) (Inaudible)

18 DR. ZIEMER: Response from Jim Neton.

19 DR. NETON: I know we're not supposed to  
20 respond to comments, but when they're -- when  
21 there's some factual issues, I think it's best to  
22 correct them --

23 MR. MILLER: Go right ahead.

24 DR. NETON: -- at this point. I think  
25 you're mistaken, Richard, that if -- if a -- if

1 the worst-case estimate would put somebody over  
2 50 percent, we would use that as the dose  
3 reconstruction if that is the only value we had  
4 to reconstruct the dose. I don't know where you  
5 got the idea we wouldn't.

6 MR. MILLER: 42 CFR 82.10(k) says you  
7 will use a worst-case dose estimate up to the  
8 point that it -- you will apply that, provided  
9 that the P of C -- it's -- it's for your  
10 efficiency process.

11 DR. NETON: No, the efficiency process,  
12 though -- the worst-case estimate can be used if  
13 that is the only estimate that you have  
14 available. You cannot use a worst-case estimate  
15 if there is a refinement that can be done. In  
16 other words, you can't -- you can't start the  
17 efficiency process and say my worst-case estimate  
18 is it's -- it could come to 40 rem and that's  
19 compensable. You can't stop there, because if  
20 there's additional information, one could refine  
21 the estimate. You can't award a compensation  
22 case based on an incomplete research profile.

23 MR. MILLER: Oh, absolutely.

24 DR. NETON: So what I'm saying is, if --  
25 but if you go and it's a worst-case estimate and

1           there is no refinement available, that's all you  
2           know, then that's what you would use. You have  
3           to. There is no other information available. So  
4           I don't...

5                       MR. MILLER: Well, then -- then -- then  
6           the question I guess will be when you set your  
7           thresholds for what constitutes capping the dose,  
8           the test will then be are there cases where you  
9           have capped the dose -- right? -- which you are  
10          not going -- which would fall on that side of a -  
11          - we can reconstruct the dose and we've capped it  
12          and so therefore we know that this population,  
13          this subset of the cohort, for example, has --  
14          has -- has -- then going to be compensated  
15          accordingly.

16                      DR. NETON: It does not necessarily mean  
17          be-- and we went through this at the last Board  
18          meeting, and you weren't here so I guess that's  
19          why there's a little bit of confusion. But it is  
20          possible to say that we can cap a dose and -- and  
21          determine that a cohort should not proceed  
22          forward in the SEC process. That does not mean  
23          that NIOSH would not do further research to  
24          refine the dose as necessary in accordance with  
25          the regulation.

1           MR. MILLER: Well, we'll -- we'll --  
2 we'll quickly see how that plays out in practice.

3           MR. GRIFFON: (Inaudible) where we went  
4 last time in Buffalo and we did have this  
5 discussion, and it was probably mainly me, but  
6 where we went with that was that, you know,  
7 capping that dose to exclude someone from an SEC  
8 -- you know, my argument was well, you could say  
9 they got, you know, 4,000 -- you know, maximum  
10 estimate could be 4,000 rem, but you're not  
11 locked into having to use that --

12           DR. NETON: I think there's some --

13           MR. GRIFFON: -- so --

14           DR. NETON: -- some language in the  
15 regulation that says there has to be some sort of  
16 a reasonable upper cap. One cannot say a million  
17 rem. So it's in there.

18           DR. ZIEMER: Okay. Proceed, Richard.

19           MR. MILLER: Sure.

20           DR. ZIEMER: Do you have additional  
21 comments?

22           MR. MILLER: Yes. The -- the -- the --  
23 the second thing I'd just like to shift gears to  
24 is the -- I guess just a sort of a personal  
25 response, which it was hard not to sit in the

1 audience, and I don't know what it felt like to  
2 be around the table, but it was hard not to sit  
3 in the audience yesterday and feel a certain  
4 twinge of anxiety as the presentation by the  
5 audit contractor played out before the Board.  
6 And -- and I guess -- the good news was, it  
7 appears as though the records access issue seems  
8 to now be resolved, that -- that -- that that  
9 problem is now behind us and I -- and I hope  
10 that's the case.

11 The second question that didn't seem  
12 quite as clearly resolved, although there were a  
13 number of constructive suggestions from Tony and  
14 from Bob Presley and others about the Q clearance  
15 issue, is that if the Q clearance issue does turn  
16 in -- become an obstacle to actually completing  
17 these, what can we do? Is there somebody who  
18 could become a champion to make sure that the  
19 needed and necessary Q clearances are obtained?  
20 I mean is -- is there -- is -- is there somebody  
21 who can sort of take ownership of this, either in  
22 the ag-- whatever the relevant agencies or the  
23 Chairman of the Board -- I don't know who the  
24 right person is to be the champion to make sure  
25 it happens. Because if a year from now we come

1 back and we're still waiting with Q clearances in  
2 the pipeline, I think there's going to be some  
3 frustration again.

4 DR. ZIEMER: No. Your comment is noted  
5 and we are asking the same question.

6 MR. MILLER: Oh, okay.

7 DR. ZIEMER: Who will our champion be to  
8 get that done, but thank you for --

9 MR. MILLER: Yeah, okay.

10 DR. ZIEMER: -- underlining that.

11 MR. MILLER: Yeah. And -- and now --  
12 and then -- and -- and hopefully here, again, the  
13 issue about DOE access -- I was -- I was  
14 comforted to hear Tom Rollow once again reassure  
15 that the letter had been transmitted down through  
16 the field and tha-- and tha-- and that there's  
17 hope for -- for cooperation from -- from the DOE.

18 Having said all of that, I -- I hope  
19 that this is now -- that this process is now  
20 going to steer more smoothly and -- and that  
21 there are not structural problems that are  
22 underpinning the multi-faceted role that NIOSH is  
23 having to play, which is -- is a tightrope, a  
24 delicate rope to walk, but it is hard not to put  
25 it on the record and say it's noticed and that

1           there's -- there's some difficulty there. And I  
2           don't know what all the background conversations  
3           are. I don't know what all the facts are. I do  
4           know that when it plays out publicly here,  
5           there's more to it than what meets the eye. I  
6           don't know what's necessary to bring greater  
7           transparency to it. Maybe there isn't any --  
8           anything more to be dealt with. But I hope that  
9           there's not a structural problem here in NIOSH  
10          accommodating the contractor's needs, whether it  
11          be in contract management, records access or  
12          whatever new is going to come up on the horizon.

13          And if there is a structural problem, if there's  
14          a governance issue here, then I -- I just think  
15          the Board should, as I'm sure it will, keep its  
16          ears closely attuned to this question.

17                 Finally, I wanted to talk a little bit  
18          about what I think are the -- the -- probably the  
19          most interesting aspect of the audit process  
20          that's moved forward so far, and I've gotten  
21          phone calls and communications from people who  
22          have met with the audit contract team at -- at  
23          the two locations that -- I think -- I don't know  
24          how many they've been to, but at least the two  
25          I've heard from -- which is that people felt

1 really good about being able to communicate.  
2 There was a high sense of comfort level that they  
3 were being listened to, whether -- how -- how  
4 it's going to be accounted for remains to be seen  
5 in whatever reports you get, but that these site  
6 interviews give people a chance, collectively, to  
7 -- and particularly for those with expertise --  
8 to provide additional information and data that  
9 may not be fitting into the process as it is.

10 And secondly, I think it'll be a useful  
11 reality check against what NIOSH has encountered  
12 in the paper records and their own interviews, in  
13 their claimant interviews. And I would certainly  
14 hope that -- that the site interview process  
15 continue forward because I -- it looks to me like  
16 this is going to be a value-added component as  
17 you went forward.

18 And then lastly we heard from a  
19 gentleman last night who worked at the special  
20 manufacturing facility, the SMC, the depleted  
21 uranium tank armor facility out here at INEEL.  
22 Does anybody know, was the SMC facility included  
23 in the site profile? Anybody know? Yes? No?

24 DR. ZIEMER: A couple of people here  
25 might -- yes is the answer.

1 UNIDENTIFIED: (Off microphone) It is  
2 included.

3 MR. MILLER: It is -- SMC is going to be  
4 included in the -- in the site profile? Okay.

5 UNIDENTIFIED: (Off microphone) It's  
6 there now.

7 DR. NETON: (Off microphone) It's there  
8 now.

9 MR. MILLER: It's there now. Okay. We  
10 looked on the web site last night for the  
11 internal dose section and that -- that, I guess,  
12 hasn't quite made it up on the web.

13 DR. NETON: (Off microphone) It lags  
14 behind a day or so.

15 MR. MILLER: Yeah, okay. Thank you.

16 DR. ZIEMER: Thank you, Richard. Now  
17 we'll hear from David Fry with PACE. David did  
18 address us last night and he has some additional  
19 remarks today.

20 (Pause)

21 MR. FRY: Okay, I just wanted to make a  
22 couple of comments. Last night I asked about if  
23 they would redo the site profile meeting here  
24 because, you know, we were -- we didn't have all  
25 the information before, like we didn't have the

1 internal dose document. And last night we heard  
2 that it was on the web. I'm not picking on  
3 anybody, but as soon as we left I went and looked  
4 on the internet and it's not on the web yet. It  
5 says still under development, so I think we kind  
6 of need that document, you know, before we can do  
7 another site profile.

8 And also on the occupational  
9 environmental dose and the external dosimetry, we  
10 noticed they hadn't been updated since the April  
11 28th meeting, so a couple of concerns we had.

12 And then on the minutes that we got back  
13 from ORAU on the first meeting that we had, and I  
14 think Richard Miller just addressed one of them  
15 on the SMC project, if it was covered or not.  
16 There was one comment that there's a good  
17 description of the procedures but little about  
18 actual exposure, and we didn't really get a clear  
19 answer on that. Another comment was -- it says  
20 only ten percent of doses are reported. How can  
21 NIOSH or ORAU make conclusions when the amounts  
22 reported are inaccurate. That was the concern  
23 that was brought up, and Bill Murray's written  
24 response was the calculations are best -- based  
25 on DOE records. It's the only way we can do it.

1           There's no way to verify if the data are good or  
2           bad, so it's kind of a concern there if we can't  
3           -- can't verify the data, you know, how do we  
4           know what we have, really. So just -- just a  
5           couple of things I wanted to bring up.

6                     DR. ZIEMER: Thank you very much. As  
7           far as I know, that's all of the individual  
8           comments that have been requested.

9                     UNIDENTIFIED: (Off microphone)  
10           (Inaudible)

11                    DR. ZIEMER: Yes, please approach the  
12           mike.

13                    (Pause)

14                    UNIDENTIFIED: (Off microphone) Is this  
15           okay? Okay, one thing I understand --

16                    DR. ZIEMER: You'll need to identify  
17           yourself for the record.

18                    MS. CODDING: Oh, okay, my name is  
19           Shirley Coddling. I made a comment last night,  
20           and then this morning I heard that you guys are  
21           going to be touring the site tomorrow. And my  
22           one big concern is you're going to go out to the  
23           site and you're going to see a site that is not  
24           what we knew in the six-- well, even fifties,  
25           sixties, seventies and eighties. You're going to

1 see a much cleaner place.

2 They're not going to take you in the  
3 areas that we are all concerned about where we  
4 have picked up all the problems. You're going to  
5 go out and see a site and walk away from there  
6 saying what in the world are they complaining  
7 about, because I guarantee you, if you looked --  
8 before -- in the PODs, the orders -- the daily  
9 orders, before every tour is a massive -- for  
10 days before that -- clean up, clean up, clean up,  
11 make it look good. And personally, I think  
12 that's how we got our star status. Before those  
13 tours, we're out there -- that's our primary job,  
14 clean-up.

15 And so you're not going to -- you're not  
16 going to go in the areas -- number one, like the  
17 old calciner. When we worked an overtime, if you  
18 were held from a graveyard to a day shift, you  
19 prayed you got that as a job because you could go  
20 down there, put your feet up and relax 'cause no  
21 manager in his right mind was going to come in  
22 there. I don't think a manager had been in the  
23 old calciner since the seventies. You're not  
24 going to see it because we deconned the best we  
25 could, tore the building down on itself and

1 capped it with concrete that's five feet tall off  
2 of the ground. You're not going to see that.

3 You're not going to see the deep tanks  
4 at all where some of the fuel processing  
5 operators went down and were horrendously  
6 exposed. You're never going to see it because  
7 nobody goes even near there now.

8 The solvent tank is long gone. You're  
9 not going to see that, not only the radiation,  
10 but the chemicals that we were exposed to back  
11 then that they don't allow on the site anymore.  
12 There's a -- half of the chemicals I worked with  
13 in the eighties I'm not allowed to even touch  
14 now.

15 You're going to see a much safer site.  
16 We don't even go above six foot on a ladder  
17 without a safe work permit, but in the old  
18 calciner, I was crawling up pipes to get in the  
19 overhead pipes to manipulate a valve because we  
20 had a leak, and I went up there with nothing but  
21 a pair of NICs\* on, gloves and shoe covers.  
22 You're not going to see any of that.

23 You are not seeing the real site  
24 tomorrow. And I really want you to be aware of  
25 that when you go out there, that what you're

1 seeing is what they want the public to know  
2 about. It's not what was going on, and  
3 particularly in the sixties and seventies and the  
4 eighties.

5 We stopped using the injection well I  
6 believe in 1986. As an operator, when we'd be  
7 ready to send out our evaporator, overhead  
8 condensates, we'd go over and turn up the  
9 detectors one because we knew it was going to set  
10 off an alarm. Well, you want to get rid of the  
11 stuff. The company told us to go ahead and do  
12 that. We turned up the detectors. We weren't  
13 supposed to turn it up to ten to the fourth, but  
14 I know of two times for sure that it was done  
15 just because we had to get rid of the stuff. It  
16 went into the injection well. That went down to  
17 the aquifer. You've got your Snake River  
18 alliance\*, your Jackson Hole people that finally  
19 put a stop to that 'cause they were screaming  
20 we're -- we're not doing things right at the  
21 site. That is what you're going to see now is  
22 the changed, not what was, not the way we worked.

23 Also, I'm sure you've gone around town  
24 and you've noticed we have no industry in this  
25 town. This town has put all of its eggs in one

1 basket and that's the site. So if you wanted a  
2 good paying job and you did not have a degree,  
3 you weren't a doctor, you weren't an attorney,  
4 you weren't a big farmer, you went out to the  
5 site. And because everybody wanted to go out to  
6 the site for the good-paying job, there were 50  
7 to 100 people waiting for your job if you didn't  
8 do your job. The company told you to jump, you  
9 asked how high, because if you didn't, there was  
10 -- there was 50 operator -- 50 people lined up  
11 for my one operator job. I did what they told  
12 me. They wanted me to go in in my birthday suit  
13 in the cell, I would have -- and thank God that  
14 didn't happen 'cause it made everybody happy.

15 Seriously, that's how it was. We would  
16 have done anything that they asked. HPs, VoTech  
17 gave a class at -- for -- to certify us in HP.  
18 They were pumping out HPs like you can't believe.

19 Yeah, you better believe the HPs did what they  
20 were told, because there were 200 waiting to take  
21 their job. We didn't ask questions; we did. And  
22 we did it to the best we could, and plus -

23 You know, when you're young, you're  
24 invincible. I can do anything. I'll survive it.

25 And now a lot of people I worked with are dead.

1           They really are. They're gone. Or they're in  
2 such horrendously bad condition -- I'm one of the  
3 lucky ones. I've survived eight surgeries on my  
4 head. I am a lucky person. Do you know, I've  
5 lost two sup-- no, three supervisors now. HPs  
6 that I've worked with hand-in-hand have died of  
7 cancer. We sent things into the stack that now  
8 we -- we monitor so close you can't believe. We  
9 sent things in the injection well that went to  
10 the aquifer. We -- we prayed for a job in the  
11 old calciner 'cause the manager wouldn't come in  
12 and catch you resting 'cause, you know, from --  
13 overtime from the graveyard shift to day shift  
14 was really hard. You wanted that. But nobody --  
15 we had a coffeepot down there, for crying out  
16 loud, to help keep you awake. But a manager  
17 wouldn't go downstairs. If he needed to talk to  
18 you, you went up and talked to him. Nobody went  
19 down there.

20                   You guys aren't going to see anything  
21 like that. You're going to see a nice clean,  
22 wonderful place to work. That's not what we  
23 worked in. That is the new and improved site,  
24 and it is done only because of public outcry on  
25 it. It is done because we were dumping stuff

1           into the ground. We were --

2                   Do you know -- just a few months ago we  
3           even put a sealant on the tank farm. Now you're  
4           going to look at it and say, you know, nothing's  
5           going down into the ground there. Twenty-three  
6           years I worked, there were valves that leaked  
7           among\* the tank farm. They dug up some dirt in  
8           the tank farm that were hotter than heck.

9                   Three to four years ago I went to Petco  
10          and bought rabbit food because us gals in the  
11          operation befriended some rabbits, and so in the  
12          wintertime we -- I bought rabbit food. I took it  
13          out there. We had two rabbits that let us girls  
14          get pretty close to them, and -- but the guys,  
15          when they'd walk by and say something, the  
16          rabbits took off 'cause the guys kept saying  
17          fatten them up so we could eat dinner. And --  
18          but we finally last summer got an e-mail that  
19          said no more feeding the rabbits; we're finding  
20          hot rabbit turds.

21                   And I was out once and Craig Bishop, an  
22          HP, was picking up goofy things off of the tank  
23          farm and out in front of 604 where I worked,  
24          picking -- and I was what are you doing? He said  
25          collecting rabbit turds, survey. And he said

1 some of these are screaming hot, and he put the  
2 monitor there and it pegged out\* like you  
3 wouldn't believe. We've got rabbits walking  
4 around all over there that are hotter than a son-  
5 of-a-gun, and yet we walk all over there.

6 The dirt on the tank farm -- they did  
7 take a couple shovelfuls that were so screaming  
8 hot -- so now we got a nice asphalt cover over  
9 it. You guys'll never see that. You're not  
10 seeing the real thing. You have no idea what  
11 we've been through, and it's not the same area.  
12 We don't even work like we used to.

13 And that's all I was just going to say.

14 I just want you to be aware of what you're  
15 seeing tomorrow is not what is.

16 DR. ZIEMER: Thank you for those  
17 comments, and I think the Board is certainly  
18 aware of that. Thank God that it isn't the way  
19 it was -- and this is true at all the sites we  
20 visit. They're very different than they were.  
21 And of course, you know, when I -- when I have  
22 company at my house, my wife doesn't let them  
23 look in my closet, either, and it -- obviously  
24 we're not going to see everything. We do want  
25 the Board to have a feel for what the site --

1           what is the site, where did all this occur. So  
2           we -- but we understand what you're saying and we  
3           appreciate those comments.

4                     Is there anyone else that wishes to make  
5           a comment? If not, we're going to proceed on the  
6           agenda.

7           REVIEW AND APPROVAL OF DRAFT MINUTES, MEETING 25

8                     We have a number of additional items to  
9           take care of in our working session, beginning  
10          with the minutes of our last meeting. I'd like  
11          to call for any changes or additions to the  
12          minutes. Wanda?

13                    MS. MUNN: I'd like a couple of  
14          clarifications, I think, on one or two sentences  
15          that must have -- it must have made sense to me  
16          at the time, I was there, but when -- reading  
17          them later, I wasn't sure. The very last  
18          sentence on page seven says the site profiles are  
19          not applicable to workers with no monitoring  
20          information at all. I'm not sure exactly what  
21          that means.

22                    DR. ZIEMER: That's quoting Dr. Neton or  
23          summarizing Dr. Neton's comments. Jim, it -- the  
24          last sentence on page seven says the site  
25          profiles are not applicable to workers with no

1 monitoring information at all, and she's asking  
2 for a clarification I think on that sentence.

3 MS. MUNN: Yes.

4 DR. NETON: Yes, that -- that's what I  
5 said or a good summary of what I said. What I  
6 meant by that is that the site profiles were  
7 really -- the first pass at the site profiles  
8 were constructed to evaluate people with  
9 monitoring information -- TLDs, urine samples,  
10 that sort of thing. People that had no  
11 monitoring information at all, it would be very  
12 difficult to use the site profile to do a dose  
13 reconstruction because we wouldn't have incident  
14 reports or coworker data to evaluate that. So I  
15 think it might be a little strong. I might -- I  
16 might rephrase that to say are not necessarily  
17 applicable, because there may be some situations  
18 where we could do it. I can't think of any off  
19 the top of my head.

20 DR. ZIEMER: Well -- but the point is,  
21 this does fairly reflect what you said.

22 DR. NETON: Yes.

23 DR. ZIEMER: Okay?

24 DR. MELIUS: If you go to page 50, the  
25 bottom of the page is -- there's two sentences

1 from which that sentence is abstracted from,  
2 which I think capture Jim's --

3 DR. ZIEMER: This is in the executive  
4 summary versus the detailed -- yeah.

5 DR. MELIUS: Yeah, and --

6 DR. ZIEMER: So unless you object, can  
7 we leave the first one since he's indicated it is  
8 correct?

9 MS. MUNN: Yes. Yes, that's fine.  
10 That's fine.

11 DR. ZIEMER: Okay. Another one, Wanda?

12 MS. MUNN: I didn't have any problem  
13 with the one on 55. On page 16 --

14 DR. ZIEMER: Sixteen?

15 MS. MUNN: Uh-huh, the first paragraph  
16 of Ms. Mosier's Labor status report. I -- I made  
17 some reference to that earlier. I believe I  
18 understand exactly what that means, but I wonder  
19 whether everyone who reads this understands that.

20 DR. ZIEMER: This is the first sentence,  
21 starting with "Ms. Mosier"?

22 MS. MUNN: The first paragraph,  
23 presented statistics -- a breakdown of categories  
24 -- cancer remaining the major category at 70  
25 percent. Then the next sentence says the next

1 largest is non-covered conditions, which is 49  
2 percent. And I understand that there's an  
3 overlap there, but I wonder whether the ordinary  
4 reader would in fact wonder how you can have 70  
5 percent and then have 49 percent not covered.  
6 Now I -- you know, I get it, but I'm not at all  
7 sure that it's clear.

8 DR. ZIEMER: Because you can have some  
9 with both.

10 MS. MUNN: Yes.

11 DR. ZIEMER: I guess the issue would be  
12 70 percent of what.

13 MS. MUNN: Yeah, uh-huh.

14 DR. ZIEMER: And Ms. Mosier isn't here,  
15 but I think it was 70 percent of all -- I'm not  
16 sure.

17 MS. MUNN: No.

18 DR. ZIEMER: Seventy percent of all  
19 claims?

20 DR. MELIUS: Couldn't -- couldn't  
21 someone refer back to the presentation that they  
22 made at the last meeting. You still have the  
23 slides. Someone may have kept them. And just  
24 sort of treat it as a grammatical error and it  
25 can be clarified --

1 DR. ZIEMER: I don't -- I think the  
2 numbers are probably right.

3 MS. MUNN: I think they are, too.

4 DR. ZIEMER: You could have 49 percent  
5 other conditions, and some of those are overlaps  
6 where they have cancer and some -- I think is  
7 what the situation --

8 MS. MUNN: I think that's what it is,  
9 too, but it's not clear just reading it, prima  
10 facie.

11 DR. ZIEMER: I'm not sure what we'd do  
12 with it at this moment.

13 MS. MUNN: I'm not sure, either, but I  
14 felt it was confusing. The next --

15 DR. ZIEMER: Maybe -- maybe the way to  
16 treat it is to say which is 49 percent and which  
17 may include some of the -- and which could also  
18 include the can-- some of the cancer cases, or  
19 something to that effect.

20 DR. MELIUS: Or if we want to fix it  
21 here, we can just take out the numbers, just --

22 DR. ZIEMER: Cancer the major category  
23 and the next largest is non-covered conditions.

24 DR. MELIUS: That way we don't...

25 DR. ZIEMER: That certainly removes the

1           ambiguity.  Anyone object?  And the transcript  
2           will have the exact -- without objection, we'll  
3           just remove the percentages there so that it --  
4           so we would remove the words "at 70 percent" and  
5           remove the words "which is 49 percent".  Thank  
6           you.

7                       MS. MUNN:  In the paragraph above that I  
8           think we need to add one word to the second  
9           sentence of the last paragraph in that section.  
10          It starts "So long as the Board decided  
11          correspondence should be generated", I think the  
12          word "and" needs to go in there, doesn't it?

13                      DR. ZIEMER:  Yes, "and determines the  
14          purpose and focus".

15                      MS. MUNN:  Yes.

16                      DR. ZIEMER:  The word "and" will be  
17          inserted there, take it by consent that's a  
18          grammatical.

19                      MS. MUNN:  Then my only other comment is  
20          the bottom of page 39 where, without any prelude,  
21          we sort of -- it looks as though Ms. Munn  
22          promptly -- suddenly decided she wanted to  
23          announce that she'd never heard anyone making  
24          jokes, and I guess I would like to suggest a  
25          change to that --

1 DR. ZIEMER: Yes.

2 MS. MUNN: -- without changing the  
3 meaning. I would suggest "Ms. Munn commented she  
4 felt it was necessary to dispute an earlier  
5 inference that some individuals might not  
6 approach these claimant issues seriously. She  
7 stated that no person had ever made jokes about  
8 these matters within her hearing." I would ask  
9 that that be substituted for the first sentence.

10 DR. ZIEMER: Is there any objection, and  
11 you can provide that wording to the --

12 MS. MUNN: I will.

13 DR. ZIEMER: -- to the staff and to the  
14 editor.

15 MS. MUNN: Thank you.

16 DR. ZIEMER: Without objection, we'll  
17 clarify that. Thank you.

18 Larry, you had one?

19 MR. ELLIOTT: Yes, on page five, under  
20 Oak Ridge Associated Universities Team Dose  
21 Reconstruction Project for NIOSH Claimant  
22 Contact. The last sentence in the first  
23 paragraph that reads "They now handle almost all  
24 mailings to claimants" should correctly read  
25 "They now handle almost all CATI mailings to

1 claimants."

2 DR. ZIEMER: That's a acronym, C-A--

3 MS. MUNN: T.

4 DR. ZIEMER: -- D-E?

5 MR. ELLIOTT: C-A-T-I.

6 DR. ZIEMER: C-A-T-I.

7 MR. ELLIOTT: Computer -- that's an  
8 acronym for computer-assisted telephone  
9 interviews.

10 DR. ZIEMER: They now handle all --  
11 almost all CATI mailings to the claimants.  
12 Without objection --

13 MR. ELLIOTT: The reason -- the reason  
14 why it makes it correct is that ORAU does not  
15 handle all mailings to the claimants, but they --  
16 I guess they handle almost all, if not all,  
17 mailings on the CATI.

18 DR. ZIEMER: Without objection, we'll  
19 make that change.

20 Any others?

21 (No responses)

22 DR. ZIEMER: Motion to approve the  
23 minutes with these changes?

24 MR. PRESLEY: (Off microphone) So moved.

25 DR. ZIEMER: Second?

1 UNIDENTIFIED: (Off microphone) Second.

2 DR. ZIEMER: All in favor, aye?

3 (Affirmative responses)

4 DR. ZIEMER: Any opposed?

5 (No responses)

6 DR. ZIEMER: Motion carries.

7 BOARD DISCUSSION AND WORKING SESSION

8 We had two documents from the  
9 contractor. One was the organizational conflict  
10 of interest plan, the other was the quality  
11 assurance project plan. The contractor  
12 representative indicated yesterday that they  
13 themselves had some editorial changes. He has  
14 given me the mark-up, and although the changes on  
15 the surface appear to be minor, there are so many  
16 of them and they are throughout the document, I'm  
17 suggesting that we defer approval of the  
18 documents, with the understanding that they are  
19 operating under these general principles. And  
20 most of the changes are indeed editorial. They  
21 have some -- just some wording issues. And ask -  
22 - I'd like to see if there's any changes the  
23 Board wishes to suggest on these documents. We  
24 would refer them back to the contractor to add  
25 our changes to theirs and come back with a clean

1 copy next time. Is there any objection to doing  
2 that?

3 (No responses)

4 DR. ZIEMER: There appears to be none.  
5 Let me ask for changes -- let's start with the  
6 organizational conflict of interest plan, which -  
7 - the first change is going to be they're  
8 changing the title of it to just conflict of  
9 interest plan, but do you have any changes to  
10 recommend on this? Larry.

11 MR. ELLIOTT: They have titled both of  
12 these documents the National Institute of et  
13 cetera, et cetera. We would ask that they strike  
14 the National Institute of -- it is actually  
15 National Institute for, but I don't think it  
16 appropriate that NIOSH name appear on this  
17 document. You are the Advisory Board. It is  
18 your -- it is your contractor, it's your  
19 document.

20 DR. ZIEMER: Without objection, we'll  
21 ask them to strike that. Thank you. Any others,  
22 Larry, that you --

23 MR. ELLIOTT: None that I have to offer.

24 DR. ZIEMER: Okay. Other -- any other  
25 changes, questions Board members have? Wanda?

1 MS. MUNN: On CIO?

2 DR. ZIEMER: Well, let's see, let's  
3 start -- we're still on conflict of interest. If  
4 not, I will ask them to come back with a clean  
5 copy -- and again, most of the changes that they  
6 are recommending have to do with the use of the  
7 title "Organizational Conflict of Interest" but  
8 then they have some other rewording changes that  
9 do not change substantively what they are doing,  
10 but nonetheless, they are wording changes and I  
11 think we would be more comfortable having clean  
12 copy to work with.

13 So without objection, we'll defer action  
14 until the next meeting.

15 Now, let's go on to the quality  
16 assurance project plan. Again, we'll strike  
17 National Institute of Occupational Safety and  
18 Health from the title. Wanda, I think you had an  
19 item on this one.

20 MS. MUNN: Yeah, I have one or two, and  
21 I don't mean them as a criticism. I guess I'm  
22 trying to look at them as documents covering  
23 procedures and activities that someone else may  
24 have to audit at some time. And I -- when  
25 reading the duties of the quality assurance

1 manager, I'm assuming that there will be  
2 procedures established which this individual will  
3 approve and which will be the implementation of  
4 the policy which this document purports to be.

5 I'm a little concerned about the  
6 statement of regularly assessing documents and  
7 the adequacy without any information about --

8 DR. ZIEMER: What page are you on?

9 MS. MUNN: I'm on page six of 15.

10 DR. ZIEMER: Under quality assurance --

11 MS. MUNN: Quality assurance manager --

12 DR. ZIEMER: -- manager?

13 MS. MUNN: -- yes. (Reading) regularly  
14 assesses and documents the adequacy of quality  
15 systems by reviewing procedures and auditing work  
16 products.

17 I am assuming there will -- I would like  
18 to assume that there will be a procedure which  
19 will establish the frequency and the type of  
20 documentation that would occur there. But of  
21 course in an overall policy document like this,  
22 it's impossible to spell that out.

23 DR. ZIEMER: So are you suggesting --

24 MS. MUNN: I guess --

25 DR. ZIEMER: -- a change in the wording?

1 MS. MUNN: I'm requesting just a little  
2 more specificity in that wording, and I think it  
3 would be better for the contractor themselves to  
4 identify what that specificity should be. But  
5 bearing in mind the audit function that will  
6 follow -- may follow on their activities, I'd  
7 like for an auditor to be able to see what the  
8 quality assurance manager had done with regard to  
9 that item.

10 DR. ZIEMER: Are you suggesting that we  
11 specify or ask them to specify the frequency,  
12 where it says "regularly"?

13 MS. MUNN: Yes.

14 DR. ZIEMER: Does "regularly" mean once  
15 a year or --

16 MS. MUNN: At least --

17 DR. ZIEMER: -- once a week or --

18 MS. MUNN: At least, you know, and --

19 DR. ZIEMER: And to specify how they are  
20 --

21 MS. MUNN: What reporting system would  
22 be used, yeah.

23 DR. ZIEMER: Is there any objection to  
24 asking for this change, or --

25 DR. MELIUS: Yeah, I -- I mean I would

1 read this as sort of a job description, what that  
2 person -- you know, what they would do. And  
3 there really should be some reference to those  
4 specifics in -- under plans and procedures,  
5 section six. And I agree they don't cover -- at  
6 least I don't see it covered -- covered there, I  
7 just -- and I think that would be the place to --  
8 at least they -- you know, the quality assurance  
9 plan should include, you know, whatever schedules  
10 or whatever -- or it could -- it may well -- as  
11 well go up above, but -- one place -- it could go  
12 in either place, and that's what they -- so they  
13 should be able to modify it in either.

14 MS. MUNN: Under plans and procedures  
15 there is, again, the specific procedure of having  
16 each individual read the quality plan and the  
17 documentation then is a sign-off by the  
18 individual that they have read that procedure.  
19 It seems to me, when I was asking for something  
20 in addition on the preceding page, I was asking  
21 for a little more specificity as to what the  
22 manager's responsibility was --

23 DR. ZIEMER: Let me --

24 MS. MUNN: -- (Inaudible).

25 DR. ZIEMER: -- suggest this. I'm just

1 marking this up 'cause this copy's going to go  
2 back to them. Suppose we suggest that on item  
3 three under quality assurance manager that they  
4 specify frequency and documentation, either here  
5 or in section six.

6 MS. MUNN: Uh-huh.

7 DR. ZIEMER: Would that be suitable?

8 DR. MELIUS: Yeah.

9 MS. MUNN: Yes, it would.

10 DR. ZIEMER: Any objection to doing  
11 that?

12 MS. MUNN: No.

13 DR. ZIEMER: Okay, I take it by consent  
14 that we'll ask for that change. Okay.

15 Wanda, do you have any others?

16 MS. MUNN: No, the other was something  
17 I'm sure will happen in -- in procedures under  
18 item nine, QAPP training, page 12 of 15. It says  
19 the QA manager supervises training of each  
20 individual working on the contract. I assume  
21 that documentation will fall as a part of that  
22 supervision and documentation.

23 DR. ZIEMER: Well, documentation as  
24 referred to in the previous section.

25 MS. MUNN: The previous section, yes.

1 Uh-huh.

2 DR. ZIEMER: Do you think something  
3 additional needs to be added?

4 MS. MUNN: No, other than the fact that  
5 document control does not mention training  
6 documents specifically, one place or the other.

7 DR. ZIEMER: So you're suggesting that  
8 perhaps they add something that -- documentation  
9 of training?

10 MS. MUNN: Just a tracker, yeah.

11 DR. ZIEMER: Any objection to asking for  
12 that clarification?

13 Okay, Tony?

14 DR. ANDRADE: I wanted to actually get  
15 even -- even a clearer definition of the quality  
16 assurance manager's role and responsibilities, so  
17 back to page --

18 DR. ZIEMER: Sure.

19 DR. ANDRADE: -- of 15. It's a little  
20 murky on item one. It says that the quality  
21 assurance manager establishes and implements  
22 quality policy. Okay? Clearly anybody who's  
23 done quality assurance before knows that the QAPP  
24 is only the umbrella document to implementing  
25 procedures. So is this person going to be

1 responsible for writing or to have written  
2 implementing procedures for the QAPP? I think  
3 that should be absolutely crystal clear at this  
4 point, because then on the next page these  
5 procedures are referred to, but nobody knows  
6 who's got responsibility for writing them or  
7 being responsible for having them written.

8 DR. ZIEMER: So you want clarification  
9 of who...

10 DR. ANDRADE: Right, clarification of  
11 whether it is the quality assurance manager that  
12 is responsible -- has overall responsibility for  
13 the development of quality implementing  
14 procedures.

15 DR. ZIEMER: Okay. Any objection to  
16 asking for clarification on that?

17 DR. MELIUS: They would just expand duty  
18 number one with more specificity?

19 DR. ANDRADE: Yes.

20 DR. MELIUS: Okay.

21 DR. ZIEMER: So clarification of whether  
22 the QA manager is responsible for -- what was the  
23 word you used then -- for developing?

24 DR. ANDRADE: The development of quality  
25 implementing procedures.

1 DR. ZIEMER: Development of quality --

2 DR. ANDRADE: Implementing --

3 DR. ZIEMER: -- implementing procedures.

4 Thank you.

5 Okay, any others? Yes.

6 MR. ELLIOTT: In both documents -- let's  
7 take the QAPP first. On page four of 15 under  
8 scope, also in the conflict of interest plan on  
9 page six under 5.3, second paragraph, there is  
10 mention here of SEC reviews. Your contractor --  
11 it's not in the scope. And in the procedures and  
12 the rule that we have, the research evaluation  
13 reports come to the Board. The Board is charged  
14 with evaluating the content of that and sending  
15 us back to do more work and more development. So  
16 there's no role for your contractor with regard  
17 to SEC. I thought we had -- we tried to address  
18 this when we developed the tasks, and it was  
19 struck out of the tasks, but I see it's coming  
20 back, so...

21 DR. ZIEMER: Yeah, and I think -- we may  
22 have had this discussion before, but I think  
23 early in the process when we were going out to  
24 find a contractor, there had been mention of a  
25 possible role in SEC evaluations, but that

1 certainly is not currently a task, so --

2 MR. GRIFFON: But it is -- just for  
3 clarification for me, it still is part of the  
4 overall original contract that -- that was bid  
5 on. It just hasn't been issued as a task.

6 MR. ELLIOTT: You want to speak to this,  
7 Jim?

8 MR. GRIFFON: It's in the contract -- I  
9 mean it's in the -- you know.

10 DR. NETON: I don't think so.

11 MR. GRIFFON: Yeah, it's on -- I'll give  
12 you the page.

13 MR. ELLIOTT: I don't think it's in the  
14 contract. It was in the -- the --

15 DR. NETON: I think their bid --

16 MR. ELLIOTT: -- RFP, request for  
17 proposals. At that time, when the Board put out  
18 its RFP, we didn't have any -- no one had a clear  
19 insight as to whether or not there would be a  
20 role. But as the proc-- as the rule was  
21 developed, the rulemaking ensued and the  
22 procedures were developed, the Department does  
23 not view that there's any role for the Board  
24 contractor on SEC. The time line of processing  
25 petitions and evaluation reports calls for the

1 Board to take action on those by either saying  
2 yes, we agree with the eva-- the conclusions of  
3 the evaluation report to add a class, or no, we  
4 don't agree with the evaluation report and send  
5 NIOSH back to work on it.

6 MR. GRIFFON: Okay, but I -- I thought  
7 we still left -- I thought we -- if someone could  
8 double-check that for me, I thought we still left  
9 a placeholder and we took out specific reference  
10 to a regulation because none existed, but we left  
11 a placeholder that the contractor may provide  
12 technical assistance in the SEC review process --  
13 may provide technical assistance to the Board,  
14 and it was kind of a -- a section (c) if I  
15 remember in the task order contract.

16 Now I -- I don't think --

17 DR. ZIEMER: Or did it precede the task  
18 orders? I think it was removed from any of the  
19 task orders.

20 MR. GRIFFON: It wasn't in any of the  
21 tasks. I guess it's -- it's a langua--

22 DR. ZIEMER: Oh, you mean -- but prior  
23 to the individual tasks.

24 MR. GRIFFON: Right, prior to the  
25 individual tasks, I thought it still remained in

1 the final...

2 MR. ELLIOTT: What does the Board  
3 envision for --

4 MR. GRIFFON: Well, I don't know, I'm  
5 just saying --

6 MR. ELLIOTT: -- technical support? I  
7 mean --

8 DR. ZIEMER: Well, maybe we should have  
9 this discussion for a moment. Let's set this  
10 aside, because that's the only other thing I have  
11 before me. I wanted to raise this question and  
12 let me ask it.

13 We have nine petitions in some stage of  
14 process, and I think an indication that some of  
15 those petitions may be sort of fully ready for  
16 something by our next meeting -- for what? For  
17 review or just -- they'll be in the Federal  
18 Register?

19 MR. ELLIOTT: Well, I made a statement  
20 yesterday that we fully expect that the public  
21 will be noticed in the Federal Register that X  
22 number of petitions have been qualified. That  
23 will -- that notice will include a brief  
24 description of the petition by what site it  
25 represents. I'm hopeful also that we may have --

1 I can't promise this, but that we may have a  
2 class or two defined with a research evaluation  
3 report for the Board's review.

4 The process that is envisioned by the  
5 rule and the procedures speaks to the Board's  
6 role in reviewing and evaluating, from its  
7 statutory mandate, the evaluation that we do on  
8 petitions and advising whether to move them  
9 forward or to send us back. There's not an audit  
10 or a quality aspect of that. It's just what it  
11 is on its face value. You either accept it or  
12 you don't accept it. And it has to be a function  
13 of this Board.

14 DR. ZIEMER: Let me ask this question.  
15 What -- what -- the document that comes to the  
16 Board, which will be presumably the official  
17 petition and an evaluation done by staff, what is  
18 that going to look like in terms of content and -  
19 - I think one of the questions that arises is how  
20 much of it is technical information where some  
21 Board members may feel uncomfortable in  
22 evaluating it without the assistance of say a  
23 contractor -- not for quality purposes, but  
24 simply for other purposes. Or in this case, are  
25 we -- we are in a different capacity 'cause we're

1 part of the decision at this point.

2 MR. ELLIOTT: That's right.

3 DR. ZIEMER: So --

4 MR. ELLIOTT: And you don't have a lot  
5 of time. The time toll's on you.

6 DR. ZIEMER: We're not overseeing the  
7 quality of -- like we would on a dose  
8 reconstruction. We are actually part of the  
9 decision itself. But my question is, what is the  
10 level of technical information that this Board  
11 will have to evaluate, both in terms of technical  
12 depth and maybe in content -- I think -- we need  
13 to be able to feel some comfort level in our  
14 ability to evaluate the document.

15 MR. ELLIOTT: We -- yes, we recognize  
16 that as an issue, a concern that you have. We  
17 share it. We not only see the Board as an  
18 audience, we see the petitioners as an audience.  
19 We see the public as an audience. So these  
20 things will have to be couched in terms that the  
21 public can understand. We envision these will be  
22 a nominal report, ten to 15 pages; a summary page  
23 that includes the original petition, class  
24 definition, outlines the qualification process,  
25 presents a new class definition if necessary or a

1 revised class definition or a class definition  
2 that melds multiple petitions together in a case  
3 where we have multiple petitions for a given  
4 site. That will all be encompassed in that  
5 summary section. A discussion section that  
6 presents the case argument or the rationale for  
7 either adding a class or not adding a class, and  
8 a recommendation conclusion section.

9 DR. ZIEMER: And there will --

10 MR. ELLIOTT: Yes, a similar --

11 DR. ZIEMER: -- also be an opportunity  
12 for members of the public to have input on --

13 MR. ELLIOTT: Yes, that's in the  
14 procedures.

15 DR. ZIEMER: -- pro or con on --

16 MR. ELLIOTT: That's right, and you hear  
17 that out. It's similar to a -- the rulemaking  
18 process that you went through where it's a --  
19 rather than a public-noticed rulemaking, it is  
20 public comment in your forum as an advisory body.

21 DR. ZIEMER: Okay. Comments on --  
22 reactions -- Jim?

23 DR. MELIUS: Well, just to further  
24 complicate this issue, as -- as I mentioned  
25 yesterday, we will have site profile reviews and

1 individual dose reconstruction reviews underway  
2 and parallel to this process that will, you know,  
3 cover -- could cover some of the same sites for  
4 which there are SEC petitions. And the one site  
5 you mentioned yesterday as being -- Larry  
6 mentioned yesterday as being likely to come --  
7 come up or some possibility it'll come up at our  
8 next meeting is the Mallinckrodt site, for which  
9 we have a site profile review that's also going  
10 on almost -- roughly the same time and could very  
11 well be ready for presentation at -- at our next  
12 meeting for the Board's decision on approving and  
13 so forth and so on. And to me it's going to be  
14 very hard to -- to separate the two. And as a  
15 Board member, I may feel -- I would be reluctant  
16 -- I may be reluctant, depending on what's in the  
17 -- NIOSH's Mallinckrodt recommendation, to review  
18 and approve or not approve that while we -- you  
19 know, depending on where our -- how our site  
20 profile review came down. And I can, you know,  
21 envision, you know, theoretically, lots of  
22 different possibilities that, you know -- again,  
23 the -- our contractor finds some source of  
24 information about dose that -- that NIOSH was not  
25 aware of or NIOSH's contractor was not aware --

1 and vice versa. I mean there's lots of different  
2 'narios (sic), and you know, whether or not --  
3 even at this point I find it hard to figure out  
4 whether -- what kind of technical help we might  
5 need or whether we will need any assistance in  
6 doing this. But we are going to have to figure  
7 out how these two processes come together.

8 DR. ZIEMER: And -- and we may have to  
9 actually go through the SEC process to see how  
10 that plays out. At the moment, there's no clear  
11 role for the contractor in the SEC process. I'm  
12 going to suggest that we simply remove it from  
13 these documents. We can always amend this and  
14 add it if at some point we say that there is a,  
15 for some reason, a role. We would basically say  
16 these two documents also apply to that activity.

17 There's no reason we couldn't add it later if  
18 needed. But certainly they don't have a clear  
19 role now. It's not in any of the tasks. So my  
20 suggestion would be -- so that we can at least  
21 move ahead on this, is simply to remove it from  
22 these documents for now. And I think -- it's not  
23 obvious to me what role the contractor would have  
24 in the SEC process until we get a good feel for  
25 what that's going to look like and our ability to

1 evaluate those petitions as -- and maybe -- maybe  
2 we'll know that or have a -- start to have a feel  
3 for that at the next meeting.

4 Clearly our role is very different in  
5 that process than it is in these.

6 DR. MELIUS: My only concern about  
7 delaying that decision -- and I don't think we  
8 can make it today or --

9 DR. ZIEMER: Well, there's nothing our  
10 contractor's going to do in the meantime on the  
11 SEC, so --

12 DR. MELIUS: Right, right, right. Well,  
13 the problem with delaying is there is, as Larry  
14 pointed out, there's some timeliness issues  
15 related to these petition reviews, and I don't  
16 think we want to get in the position of, you  
17 know, Larry -- NIOSH having ten, you know, SEC  
18 recommendations ready for us and us saying well,  
19 gee, we need a contractor to do this or we need  
20 this assistance. And so I would hope certainly,  
21 you know -- as may be -- hopefully by the next  
22 meeting we can have a more complete discussion  
23 and NIOSH'll have worked out much -- in much more  
24 detail what will -- how it's -- the nature of its  
25 recommendation, what the report's going to be

1           like, what will -- what kinds of information will  
2           be given to -- to review and so forth.

3           MR. ELLIOTT: I think at the next  
4           meeting we need to have an agenda item where we  
5           present and walk through the procedures and  
6           highlight, you know, those activities within the  
7           procedures that are -- the Board is directly  
8           involved in. You know, the notice of qualified  
9           petitions. That's something the Board needs to  
10          be aware of 'cause it's part of your notice.  
11          Those things need to be shared with you in a  
12          presentational format, which we have not done  
13          yet. We would have put it on for this meeting,  
14          but Katz couldn't stay for the whole meeting and  
15          we had a full agenda, as well.

16          I also think if we don't have a research  
17          report on a petition or two for you at the next  
18          meeting, we need to have a shell of one so that  
19          you can see what it is and give us input into it.

20          DR. ZIEMER: Yeah, you could do it in a  
21          mock-up sort of --

22          MR. ELLIOTT: A mock-up, yeah.

23          DR. ZIEMER: So we can see what kind of  
24          data we're going to be reviewing -- yeah. Good.

25          MR. ELLIOTT: This is -- we're also

1 required to have an evaluation plan, that's part  
2 of the procedures. So you know, there's a --

3 DR. ZIEMER: That needs to be developed.

4 MR. ELLIOTT: -- litany of things here  
5 that need to be attended to for your better  
6 edification of the process.

7 MR. GRIFFON: And just -- just so people  
8 do realize, it is in the contract. I mean I just  
9 checked this with Jim Neton and it is, on page 7,  
10 actually, of the Sanford Cohen & Associates  
11 contract. It's no task, I agree, but if -- you  
12 know, as we're thinking about this, if we do want  
13 to create a task for something that they can  
14 assist us with -- I think you're -- I mean -- and  
15 we clearly said technical assistance. It wasn't  
16 a audit kind of role. We knew that. But I think  
17 the thinking was we might want some back-up on  
18 certain issues that we felt uncomfortable  
19 addressing. So just so people might want to look  
20 at that and think about what a task might look  
21 like, and as we go forward I think we need to  
22 think about that.

23 DR. ZIEMER: Okay. So then going back  
24 to the two documents, for the time being is it  
25 agreeable that we simply remove that from the

1 documents and ask them to modify accordingly?  
2 Without objection, we'll -- this'll be, for our  
3 recorder, on the quality assurance plan at  
4 section 3.0, second sentence, we would remove  
5 "and SEC review", and on the conflict of interest  
6 plan, page six under section 5.3, second  
7 paragraph, remove the phrase "SEC petitions".  
8 Tony?

9 DR. ANDRADE: Just a detail, but don't  
10 forget the org chart on the next page, and also  
11 the description of the con-- of the SEC program  
12 manager.

13 DR. ZIEMER: The org chart -- yes -- has  
14 an SEC petitions review manager.

15 DR. ANDRADE: Right.

16 DR. ZIEMER: And I don't know if they  
17 have -- they could still have that in their  
18 organization. Was -- was there one in the other  
19 document?

20 DR. ROESSLER: (Off microphone) A  
21 description of the manager in the...

22 (Pause)

23 DR. ZIEMER: Were those the only two  
24 places, Tony?

25 DR. ANDRADE: Right, the roles and

1           responsibilities and the chart.

2                   DR. ZIEMER: Thank you. In that  
3 particular one, for example, on page seven, it  
4 looks like a sampling of petitions that they're  
5 reviewing, and this is something we, in any case,  
6 have never specified.

7                   Any other recommended changes for those  
8 two documents? Yes, Richard?

9                   MR. ESPINOSA: (Off microphone) Under  
10 the cost projection accuracy --

11                  DR. ZIEMER: Which document are you in?

12                  MR. ESPINOSA: (Off microphone) QA plan.

13                  DR. ZIEMER: QA plan, page?

14                  MR. ESPINOSA: (Off microphone) Ten or  
15 11. I'm just wondering if there's any way to add  
16 maybe monthly reports to the Board or a quarterly  
17 report to the Board.

18                  DR. ZIEMER: On cost projections?

19                  MR. ESPINOSA: (Off microphone) Yes.

20                  DR. ZIEMER: Let me address that  
21 separately because that's already being done and  
22 I want to speak to that here in a moment. It's  
23 probably not necessary to put it in here, but I  
24 will address that in just a moment.

25                  MR. ESPINOSA: (Off microphone) All

1 right. Thanks.

2 DR. ZIEMER: Any other changes?

3 MR. GRIFFON: Just --

4 DR. ZIEMER: Mark.

5 MR. GRIFFON: Just on the conflict of  
6 interest document, I know that we had a  
7 commitment during the presentation that the  
8 conflicts of interest would be posted on the web  
9 site. I wonder if maybe that could be included  
10 in the -- and the web site location could be  
11 also, you know, included. I'm not sure what  
12 section it would go in.

13 DR. ZIEMER: Once these are approved.  
14 You're talking about these -- this conflict of  
15 interest plan?

16 MR. GRIFFON: Yeah, yeah. Yeah.

17 DR. ZIEMER: Once it's approved --

18 MR. ELLIOTT: I think he's referring to  
19 their web site, and we'll add a hot link to our  
20 to direct folks to their web site. Okay?

21 DR. ZIEMER: Yeah. On the issue that  
22 Richard just raised, we have -- and they're  
23 available for your perusal, they're sitting  
24 behind Larry here -- the documents pertaining to  
25 each of the four tasks. These incidentally are

1 not -- these are proprietary. They have cost  
2 information in it so these documents are not  
3 available to the public, but any of the Board  
4 members can peruse these. They have the monthly  
5 reports, progress reports, the individual monthly  
6 billings, the amounts spent so far on each task,  
7 the deliverables.

8 For example, here's task one, which is  
9 the site profile review. And if you look in the  
10 very front of this, it has all of the actions  
11 taken by the contractor by date. Then there's a  
12 section that lists the Board-approved proposal,  
13 what the task is. There's various correspondence  
14 relating to that particular task between the  
15 contractor and, for example, NIOSH in this  
16 particular case. There's -- well, there's some  
17 procedures. There's proprietary information that  
18 is -- the actual billings are in here. And  
19 incidentally, when those monthly billings come  
20 in, I see those. I have to approve those before  
21 they're paid, so those -- those come in. There's  
22 -- it shows -- the billing is broken down into  
23 detail, which person -- which contractor person  
24 accumulated so many hours and they're billed at a  
25 certain rate, and travel, overhead and all those

1 things are in here. There are charts showing the  
2 total spent on the tasks so far, the percent of  
3 the award and so on. So all that detail's here  
4 and we get -- that is updated monthly. That's  
5 being provided -- it's being provided to me and  
6 it's being provided to NIOSH, the person that  
7 NIOSH has designated to track the expenditures in  
8 the contract.

9 Are there any questions on that? And if  
10 there's information that Board members want to  
11 see monthly -- I mean any of that can be  
12 distributed, but -- but for example, here's one  
13 from July where I have signed off saying the  
14 amounts claimed are reasonable and require -- I  
15 have to certify that if there was a deliverable  
16 that has been delivered, and then -- I'll show  
17 you, Rich, 'cause you're right here -- it shows  
18 all the previous vouchers and the amounts and  
19 total billed to date against that task, percent  
20 of the funds expended. Those are all tracked and  
21 a detailed breakdown. So we have that on every  
22 task, and it's -- yes.

23 MR. ELLIOTT: The procurement office  
24 receives the billings and then they are sent to -  
25 - to my office to Martha DiMuzio, who you've met.

1           She then provides a copy of those to Dr. Ziemer,  
2           asking him to evaluate them and sign off on them,  
3           or kick them back. We could, if you -- if it's  
4           the Board's pleasure, we can have a presentation  
5           on each task and the status of progress of  
6           expenditures, not progress of work. Okay?  
7           That's Sanford Cohen & Associates that should  
8           present you progress on their work, but we can  
9           give -- if you -- if it's your pleasure, we can  
10          summarize for you in a report to the Board, and  
11          it can be done either in a public presentation or  
12          in a written summary --

13                   DR. ZIEMER: For each meeting?

14                   MR. ELLIOTT: For each meeting.

15                   MR. ESPINOSA: (Off microphone) I'd just  
16          -- I'd personally like just to see a general  
17          overview of what's being done and --

18                   DR. ZIEMER: Why don't we schedule that  
19          as a regular part of each meeting. It'd probably  
20          only take 15 minutes or so. Would that be  
21          agreeable?

22                   MR. ELLIOTT: That's fine.

23                   DR. ZIEMER: Would the rest of the Board  
24          like to have that information or --

25                   MR. ESPINOSA: (Off microphone) So

1 moved.

2 DR. MELIUS: (Off microphone) Yeah.

3 MS. MUNN: I would hope that it would  
4 only be a very, very high level overview. I for  
5 one am -- I was impressed with the amount of  
6 detail that was in the financial tracking of the  
7 QA plan already, and I just --

8 DR. ZIEMER: I think it's going to be a  
9 bird's eye view and that's what you're asking  
10 for, Rich.

11 MS. MUNN: Yeah.

12 DR. ZIEMER: Where are we on -- where  
13 are we on each task and --

14 MS. MUNN: Yeah.

15 DR. ZIEMER: It won't take too long.  
16 We'll take it by consent that that will be  
17 provided in the future. Thank you.

18 And then I think we'll keep -- these  
19 will be here if you want to peruse these in  
20 detail at the meetings, so I think Martha will --

21 MR. ELLIOTT: These will serve as a  
22 reference -- set of reference documents for the  
23 Board members. They are available at each Board  
24 meeting. They will be maintained in a current  
25 status, up to the point of, you know, whatever we

1 can arrive at before -- before we present to the  
2 Board here, before we're at a Board meeting.

3 DR. ZIEMER: Thank you. Do we have  
4 other items that we -- that the Chair has  
5 overlooked or that --

6 MR. ESPINOSA: (Off microphone) There's  
7 a couple of things that I'd just like to bring  
8 up.

9 DR. ZIEMER: Yes, please.

10 MR. ESPINOSA: Number one, on a --  
11 whenever we go to these sites, I'm just wondering  
12 if we could get like a site overview of what the  
13 site does and their -- it'd be especially helpful  
14 to me when the public speaks that I'd kind of  
15 know what they'd done.

16 DR. ZIEMER: Excellent suggestion. I  
17 don't know what's planned for tomorrow, but it  
18 certainly would be helpful to those that are  
19 going to have an overview of the kinds of  
20 activities the -- at least the primary facilities  
21 that are on the site, what the site's role has  
22 been in the past, that kind of thing.

23 MR. GRIFFON: I actually was talking  
24 with Jim yesterday and I thought it would make a  
25 lot of sense, up front on the agenda --

1 DR. ZIEMER: In the meeting.

2 MR. GRIFFON: -- if -- if you had not a  
3 -- just a -- not just a historical operations  
4 overview, but if a site profile's been completed  
5 for where -- the location where we're at, sort of  
6 present a summary of that, 'cause that might also  
7 bring some questions up from the audience, you  
8 know, later on in public comment time. So it  
9 might be a way to -- for us to learn about the  
10 site, but also to bring some questions --

11 DR. ZIEMER: And perhaps a description  
12 of the main processes that have been done in the  
13 past so that when workers refer to working on  
14 some line or whatever that you can relate that to  
15 a location or a process. I think it's a good  
16 suggestion, Rich. I'm not sure how to implement  
17 that. Do you know on the tour this time to what  
18 extent they'll be given kind of an overview as --  
19 at the front end of the tour?

20 MS. HOMER: (Off microphone) Well,  
21 (Inaudible).

22 (Pause)

23 MS. HOMER: From my understanding, there  
24 will be packets provided to each attendee that  
25 include maps and things of that nature. There's

1 going to be a CD provided to each person. What  
2 information is on that CD, I don't know. I know  
3 that in Idaho Falls we'll be seeing a movie, and  
4 then on the site out -- or on the trip out -- I'm  
5 sure we can pose questions, as is -- norm.

6 DR. ZIEMER: Well, hopefully there'll be  
7 some historical information, as well, in the  
8 movie that sort of lays the groundwork -- why is  
9 this site here, what has it done in the past,  
10 what is it doing now. I think that --

11 MS. HOMER: And I suspect that's what's  
12 in the packets of material we're getting. I know  
13 that there'll be a map and there'll be a question  
14 and answer period, as there always seems to be on  
15 the tour.

16 DR. ZIEMER: But perhaps in the future -  
17 - I think you're asking, Rich, in the future if  
18 we might -- particularly if we go to a place like  
19 Pinellas -- what did -- what went on here at this  
20 plant. Yeah. Okay, thank you. Good suggestion.

21 Did you have another item?

22 MR. ESPINOSA: Yeah, on Dr. -- on the  
23 outreach and the schedules -- on the outreach,  
24 I'd like to see a schedule for the site profile.

25 And I'd also like to make sure that the area --

1 Department of Labor resource centers receive that  
2 schedule, too. You know, I know there was an  
3 outreach in Pantex and the Department of Labor  
4 for New Mexico did not receive that.

5 DR. ZIEMER: What needs to be done here?  
6 I'm -- can you flesh this out, Jim?

7 DR. NETON: Could I --

8 DR. ZIEMER: Yeah.

9 DR. NETON: I'd just like to address the  
10 practicality of the request. I think it's a good  
11 idea. The practicality is, though, that these --  
12 these meetings get arranged fairly short order.  
13 It takes a lot of negotiation with the local  
14 union folks and we rarely have more than three to  
15 four weeks' notice. So we can't put out, for  
16 example, a schedule for the next six months. It  
17 hasn't happened that way yet. We wish we could.

18 So the best we can do is to notify -- as soon as  
19 we know -- you know, the affected people. But we  
20 also do -- always notify Department of Labor, at  
21 least the national level, that we're going to be  
22 doing that and invite their participation -- if  
23 they want. We don't want to force them into it.

24 It's not our call to require them to be there.  
25 But we find it is helpful that Labor is there.

1 MR. ESPINOSA: Yeah, one of the -- one  
2 of the reasons why I'm saying this and suggesting  
3 this is there's outreach groups like the Los  
4 Alamos POWs that would have been probably  
5 instrumental -- and will be in the Los Alamos  
6 outreach.

7 DR. NETON: Right, and I think we've  
8 been coordinating with them. Mark Lewis -- I  
9 don't know if everybody has met Mark yet. He is  
10 -- he used to be a member of the union at  
11 Portsmouth, has now joined ATL, one of the --  
12 ORAU's contractors, as the lead on this issue.  
13 And one of his jobs now is to go do pre-meetings  
14 at sites. He will go to a place like Los Alamos,  
15 knock on some doors, find out who the important  
16 people are that can help him arrange these  
17 meetings, and then we go about the business of  
18 finalizing. So we're doing a lot of -- a lot  
19 better job of groundwork up front now than we did  
20 say three or four months ago.

21 DR. ZIEMER: Okay. Thank you.

22 MR. ESPINOSA: Thank you.

23 DR. ZIEMER: Other items? Jim?

24 DR. MELIUS: I have a couple of other  
25 questions. One is a question on -- back to our -

1 - our contractor. Presumably at our -- by our  
2 next meeting or before our next meeting, they  
3 will have done -- completed some of the site  
4 profile reviews. What is our procedure for those  
5 being shared with the Board, as well as being  
6 presented to the Board? Have we sort of decided  
7 on a format and an approach for doing that?

8 DR. ZIEMER: We do not have a set  
9 procedure for that. It would -- I think on the -  
10 - on the site profiles, I believe it's in order  
11 for us to get a copy of the draft in advance, is  
12 it not? Can that be done? I'm asking this from  
13 a legal point of view.

14 DR. NETON: Well, advance to the extent  
15 that -- and Dr. Ziemer, you were a part of this  
16 conversation we had with Sanford Cohen -- that  
17 NIOSH would be first afforded a fact-- a review  
18 for factual accuracy of the draft before it was  
19 issued to the Board. At the time it's issued to  
20 the Board I think it becomes a public -- public  
21 document, and so we just --

22 DR. ZIEMER: Well, that was my question.  
23 Is it public or predecisional if we're -- if  
24 it's distributed to us for review prior to a  
25 meeting?

1 DR. NETON: Okay, Liz Homoki sitting  
2 next to me says it's predecisional, so I guess  
3 it's not necessarily publicly --

4 DR. ZIEMER: Until we adopt it, it's --

5 DR. NETON: -- available until you adopt  
6 it. But once it was -- well --

7 DR. ZIEMER: Once it's on the floor at  
8 the Board meeting, it becomes --

9 DR. NETON: Right, then I guess that's  
10 your option then on how to -- how to proceed with  
11 that predecisional draft --

12 DR. ZIEMER: Right.

13 DR. NETON: -- whether it would be a  
14 closed session or just have it vetted at a public  
15 session.

16 DR. ZIEMER: Yeah. Well, let me kind of  
17 bounce your question back to the full Board, Jim,  
18 and that is how does the Board wish to proceed on  
19 this? It would make sense to me that we got some  
20 kind of a draft of the proposed report at some  
21 point when -- when the contractor believes it's  
22 ready. They will have done a reality check with  
23 NIOSH on factual accuracy at that point. Tony?

24 DR. ANDRADE: I think I would just  
25 suggest -- I guess to start the conversation --

1 that we follow a parallel path. I think it is  
2 wholly appropriate that NIOSH reviews it for  
3 factual accuracy. But after that, the review  
4 itself should be considered by the entire Board  
5 during a closed session.

6 DR. ZIEMER: I don't know if there's any  
7 privacy issues that would allow us to do it in a  
8 pri-- in a closed session. My impression is that  
9 the reason for the closed session was --

10 DR. ANDRADE: Was Privacy Act.

11 DR. ZIEMER: -- was Privacy Act issues  
12 on individual cases. I don't think that would be  
13 the case for a site profile, would it?

14 MS. HOMOKI-TITUS: (Off microphone) I  
15 can't imagine that it would be.

16 DR. ZIEMER: So it --

17 DR. ANDRADE: Oh, I can -- I can  
18 imagine.

19 DR. ZIEMER: You can imagine?

20 DR. ANDRADE: Yes, of course, especially  
21 if they're going to do interviews with site  
22 personnel.

23 MS. HOMOKI-TITUS: (Off microphone) But  
24 I'm going to have to see (Inaudible).

25 DR. NETON: The only issue that I could

1           foresee is that in order for the Board to  
2           understand what has been completely done, as Tony  
3           suggests, is maybe some Privacy Act information  
4           may need to be discussed to understand some  
5           concerns or issues the Board might raise. I mean  
6           that's a possibility. I don't know.

7                     DR. ZIEMER: Well, what would have to  
8           happen, I think, in reality is that once the  
9           draft document was ready, if the contractor had  
10          some concerns that in discussing this they had to  
11          identify individuals from whom -- I don't know if  
12          it's individuals from whom they obtained  
13          information had to be disclosed or what -- then  
14          perhaps it could be in private session.  
15          Otherwise, I think it's got to be in the open  
16          session, as far as I can understand it. Robert?

17                    MR. PRESLEY: If there are areas in  
18          there where we would have to use a name or a --  
19          or a -- of a person that they went through, could  
20          you not leave that out and put the site that -- I  
21          mean the site's not going to be anything.

22                    DR. ZIEMER: I mean it's going to be --  
23          it's going to be an evaluation of the site  
24          profile, so I -- the report itself -- it's hard  
25          for me to envision why it would necessarily bring

1 out individual issues. Can -- can you think of  
2 any? I mean --

3 MR. ELLIOTT: When we do our work and we  
4 consult with people -- like if you look at  
5 Bethlehem Steel, or maybe that's not a good one;  
6 what's the Bridgeport Brass one -- we use  
7 personal communication. And if we cannot get a  
8 release from the individual that we talked to,  
9 then that's the way it is couched, a personal  
10 communication. I would hope that your contractor  
11 would use some similar approach to either get a  
12 release or waiver from the people that they talk  
13 to so that their name could be used as a  
14 reference, or it is listed as a personal  
15 communication. Otherwise, I -- you know, I'm at  
16 a loss, too, as to -- unless -- unless there's a  
17 -- the only other thing I could think of, as I  
18 was sitting here listening to the discussion,  
19 unless there is a document that is found by your  
20 contractor that we had not discovered that may  
21 have personal dose data in it, you know, personal  
22 identifiable information in it that would -- in  
23 that case, I'd hope they would redact it for  
24 public consumption.

25 DR. MELIUS: But most likely they're

1 just going to reference it.

2 MR. ELLIOTT: Most likely they're going  
3 to reference it, so --

4 DR. MELIUS: So it's not going to be --  
5 yeah.

6 DR. ZIEMER: Yeah. So my sense of it is  
7 that it's -- it comes to the Board so we have a  
8 chance to see it before our meeting, but it is  
9 part of the open meeting.

10 DR. MELIUS: This -- the procedure --  
11 and again, I'm concerned about appearances here,  
12 that -- at the time it comes in for this fact-  
13 checking by NIOSH, do you get a copy of it, Paul,  
14 or is it just --

15 DR. ZIEMER: No.

16 DR. MELIUS: Is there going to be  
17 documentation of what changes are ask-- what --  
18 what if there's a dispute between -- about the  
19 facts between the contractor and NIOSH? Is --  
20 how do we get that resolved?

21 DR. ZIEMER: Actually I think maybe Jim  
22 -- can you answer --

23 DR. NETON: Yeah, I think -- I think  
24 that, knowing -- working with SC&A thus far, I'm  
25 very certain there will be some documentation if

1           there were any changes to some record file. I  
2           mean that's going to happen. I don't think  
3           there'd be any problem with -- with Dr. Ziemer  
4           receiving an advanced copy, I suppose, while  
5           we're doing a factual accuracy check, just so a  
6           paper trail could be followed as to what -- what  
7           had changed. But really, this is -- this -- SC&A  
8           is under no obligation to change anything at all.

9           I mean all -- all we're doing is be able to  
10          provide comments back as to the factual accuracy.

11          If they disagree that it -- they disagree that  
12          this is the way it's going to be, that's their  
13          prerogative. We have no control over their  
14          ability to edit the document at all. It's just  
15          going to be our comments back them on --

16                 DR. ZIEMER: They would just comment  
17          that we don't agree that you've -- that you've --

18                 MR. ELLIOTT: I think --

19                 DR. ZIEMER: -- characterized this  
20          correctly or whatever.

21                 MR. ELLIOTT: You know, we'd play an  
22          untenable role here, and I would hope that it's  
23          the Board's pleasure and insistence that someone  
24          on this Board -- and I think this was discussed  
25          Monday afternoon -- see the NIOSH comments for

1 factual accuracy and clarification that were  
2 given, and understand then from that point of  
3 view, you know, what changes were occur-- took  
4 effect or what didn't take effect, you know.

5 DR. MELIUS: Yes, no, that -- that's --

6 DR. ZIEMER: So it's tracking both sides

7 --

8 MR. ELLIOTT: Yeah.

9 DR. ZIEMER: -- of the issue.

10 DR. MELIUS: Right, and so if a copy  
11 came to you, Paul --

12 DR. ZIEMER: Then we would also want a  
13 copy of the comments.

14 DR. MELIUS: -- and you'd get a copy of  
15 the -- or you know, whenever -- whatever the  
16 timing is, I don't care, but the -- that way  
17 you're in the -- the report's to the Board. It's  
18 gone to NIOSH to -- you know, for this factual  
19 check, which is --

20 DR. ZIEMER: Sure.

21 DR. MELIUS: -- which is appropriate,  
22 and then -- you know, if there is -- in fact it  
23 may help resolve any -- any issues or what-- and  
24 -- 'cause we are going to decide what can be  
25 presented and so forth, and we certainly don't

1 want to be in the position of sort of  
2 point/counterpoint or, you know, that, I don't  
3 think.

4 DR. ZIEMER: Yeah.

5 DR. MELIUS: And so at the same time  
6 that says yeah, there is a paper --

7 DR. ZIEMER: There's a paper trail.

8 DR. MELIUS: -- trail or whatever you  
9 want to call it with that and it protects  
10 everybody involved.

11 DR. ZIEMER: I think it's a good  
12 suggestion and I'm certainly willing to do it  
13 that way if there's no objection on the part of  
14 the Board.

15 MR. ELLIOTT: I don't even see any  
16 reason why our comments wouldn't become part of  
17 the public record. I would hope that they would.

18 DR. ZIEMER: Sure.

19 DR. NETON: I might just add one thing.  
20 In our discussion on this with SC&A where Dr.  
21 Ziemer was involved, John Mauro agreed to take on  
22 the task of -- of writing this up as an internal  
23 procedure within SC&A to improve the transparency  
24 of the whole process so it didn't appear to be an  
25 arbitrary process. And I haven't seen that yet,

1 but I know that he was -- he volunteered to do  
2 that, so we might ask him -- the Board might ask  
3 to see if that -- if that's done.

4 DR. MELIUS: I have one other -- I guess  
5 question or comment, would be if -- if NIOSH is  
6 going to be ready at the next meeting to present  
7 us with an evaluation on an SEC petition, would  
8 it -- would it -- and I guess this is my  
9 question. Would it be helpful for us to have a  
10 working group set up to -- to interface with  
11 NIOSH and staff between now and the next meeting  
12 so that we get -- you know, maybe make that --  
13 our evaluation of that petition go easier when it  
14 is presented to -- to the Board? There are going  
15 -- I mean there's a number of --

16 DR. ZIEMER: Are we likely to be  
17 evaluating a petition at the next meeting, or --

18 MR. ELLIOTT: You're -- I -- this is not  
19 promissory. Okay? I certainly expect you're  
20 going to have an evaluation plan to look at.

21 DR. ZIEMER: Yeah, that's --

22 MR. ELLIOTT: I would -- I would also  
23 hope that we might have one or two or -- I don't  
24 know how many, maybe at least one -- class  
25 petition evaluation report for you to look at.

1           So you know, we're -- we're working very hard  
2           trying to push these things through, at the same  
3           time -- at the cost of not bringing the Board  
4           along fast enough, too. I recognize that. So if  
5           you want a working group, I'll work -- I'm  
6           willing to work with y'all.

7                     DR. ZIEMER: This would -- this would  
8           mean that whatever proposed SEC petition is ready  
9           to go would have to be ready for a working group  
10          prior to a meeting. I suppose it could be the  
11          day before, but we have a day set aside already  
12          for our subcommittee, so then we're getting --  
13          we're moving the timetable back. But we can  
14          certainly set up a working group on a standby  
15          basis, if the Board wishes, so that, if needed,  
16          they could be marshaled into action.

17                    DR. MELIUS: That -- that's really what  
18          I --

19                    DR. ZIEMER: Is that your suggestion?

20                    DR. MELIUS: -- think is -- and -- yeah.

21                    MR. ELLIOTT: They could certainly meet  
22          separately from the subcommittee on the same day  
23          if that's, you know, necessary.

24                    DR. MELIUS: That working group would be  
25          sort of contingent on the -- you know, whether or

1 not you're ready -- if you're going to be ready  
2 or not.

3 MR. ELLIOTT: It wouldn't be in the same  
4 room --

5 DR. ZIEMER: However -- however, we are  
6 envisioning that at our next meeting that we will  
7 be reviewing 20 cases as a full Board in closed  
8 session.

9 MR. PRESLEY: (Off microphone) That's  
10 right.

11 DR. ZIEMER: So unless we have a fourth  
12 day set aside, we're -- on the other hand, a  
13 working group can also work by phone, if  
14 necessary, if they have something to look at.  
15 Does the Board wish to have a working group on --  
16 sort of on standby for this activity if -- if  
17 necessary?

18 MR. ESPINOSA: I don't think that'd be a  
19 bad idea.

20 MR. PRESLEY: Question.

21 DR. ZIEMER: I'm -- yeah.

22 MR. PRESLEY: Could -- we're supposed to  
23 get a plan prior. Would it be possible for us to  
24 get a copy of the plan and us go through that,  
25 and let's go through -- if -- if we do get some

1 reports ready to go, go through them. And if we  
2 need a working group, then come up with a working  
3 group after we see how much detail and work this  
4 is going to be. Would it be possible for us to  
5 get that evaluation prior to so that we can all  
6 look at that?

7 DR. ZIEMER: Evaluate the plan itself.

8 DR. MELIUS: But I think we have to  
9 establish the working group at a meeting, so we  
10 have to -- if we're going to do it between now --

11 MR. PRESLEY: It could be done -- it  
12 could be done at the next meeting.

13 DR. ZIEMER: The working group could  
14 look at the plan, though, is what he -- what I  
15 think is --

16 MR. PRESLEY: Do you want the working  
17 group to look at the plan?

18 DR. MELIUS: Look at the plan, and then  
19 if necessary or appropriate, yeah.

20 MR. ELLIOTT: I don't see a problem with  
21 that at all. I think that's -- makes a lot of  
22 sense for us to get an evaluation plan to you so  
23 that you can see what that looks like -- and  
24 that's nothing more than telling you where we're  
25 going to look, which rocks we're looking under

1 and how -- you know, how far we're going and why  
2 -- you know, what we're --

3 DR. ZIEMER: We could --

4 MR. ELLIOTT: -- using in that eval--

5 DR. ZIEMER: -- we could set up --

6 MR. ELLIOTT: -- in that research.

7 DR. ZIEMER: -- a working group of three  
8 or four. They'd be on a standby basis. They'd  
9 have to establish a date based on what happens at  
10 NIOSH. There appears to be -- without taking a  
11 formal vote, there appears to be support for the  
12 idea of having a working group on call. I now  
13 then will ask for volunteers. We need at least  
14 three people to be in the working group.

15 DR. MELIUS: Henry, Roy, Mike --

16 MR. ESPINOSA: I second.

17 DR. ZIEMER: You're volunteering for  
18 them. Okay, Rich has volunteered --

19 DR. MELIUS: I'll do it, though.

20 DR. ZIEMER: -- Wanda has volunteered,  
21 Jim has volunteered, and we can add one more --  
22 Bob Presley. We've got four people.

23 MS. HOMER: That's Rich, Jim, Wanda and  
24 Bob?

25 DR. ZIEMER: Rich Espinosa, Wanda Munn,

1 Jim Melius, Robert Presley. Their task will be  
2 to evaluate and make a recommendation on the  
3 evaluation procedure -- procedures --

4 MR. ELLIOTT: Plan.

5 DR. ZIEMER: -- plan, evaluation plan,  
6 and if necessary on a petition, if it is in a  
7 state for such review. Let me ask, Robert, will  
8 you be willing to serve as the coordinator and  
9 make sure that the -- you -- the four of you come  
10 up with a common time, you either share it by e-  
11 mail or phone, conference call, whatever,  
12 coordinate time and effort and make sure  
13 everybody's got the documents, if that's  
14 agreeable?

15 MR. PRESLEY: I'll do that.

16 DR. ZIEMER: Thank you. And then you'll  
17 report back to the Board at our next meeting.  
18 Thank you.

19 MR. ELLIOTT: If I may, just so  
20 everybody understands, could we give you an  
21 evaluation plan today? No. If we had qualified  
22 a petition, were we ready to give you an  
23 evaluation plan? On short order thereafter.  
24 Okay? But we've got to qualify the petition  
25 first, then come -- the ne-- first things first.

1           Then the next thing is give you an evaluation  
2 plan.

3           DR. ZIEMER:   Okay.   Thank you.   Other  
4 comments, suggestions, recommendations?

5           (No responses)

6           DR. ZIEMER:   Anything for the good of  
7 the order?

8           MR. ESPINOSA:   Motion to adjourn?

9           DR. ZIEMER:   Wait, I -- before you  
10 adjourn, Cori has a final comment.

11          MS. HOMER:   Very quickly, and I'm sorry  
12 to not give you this information earlier, for  
13 those who are attending the tour, a reminder to  
14 bring photo ID and cash for lunch.   We'll be  
15 eating in the lunchroom.

16          DR. ZIEMER:   Thank you.   Mark, another  
17 comment?

18          MR. GRIFFON:   And it's probably a little  
19 late in the day to bring this one up, but the --  
20 the site profile reviews -- I mean I'm going back  
21 to yesterday's presentation.   If -- if SCA is  
22 going to give us a report, we still have that  
23 question of -- the task says final report, and  
24 you know, we had some dialogue yesterday about,  
25 you know, could we make this an interim report

1 because they haven't had access and they might  
2 want to go...

3 DR. ZIEMER: Mark, I interpret that more  
4 as a heads-up issue of concern. I don't think  
5 they're at the point where they're saying that  
6 they want us to change the task right now. I --  
7 that was -- would have been my understanding of  
8 it, because now the access issue has pretty well  
9 been taken care of and they're moving ahead. So  
10 unless they come back to us and say we really  
11 aren't going to get there --

12 MR. GRIFFON: My under-- my  
13 understanding was they felt like they were up  
14 against some deliverables, but if they delivered  
15 what they have now, it would be perceived as the  
16 final report and therefore there'd be no chance  
17 to go further and -- you know, I -- I just -- I  
18 don't know if that's an issue or not an issue  
19 or...

20 DR. ZIEMER: My interpretation of what  
21 they said was that they're giving us a heads-up  
22 that they might get to a point where they feel  
23 like they -- they have not finished but can't go  
24 any further. I don't believe they're there yet.

25 DR. MELIUS: Yeah, that --

1 DR. ZIEMER: How did other --

2 DR. MELIUS: My -- my -- that was my  
3 recollection, too, at least for the ones that are  
4 -- had the earliest deliverables, I believe --  
5 Savannah River, Mallinckrodt, Bethlehem, if --

6 DR. ZIEMER: I think they're okay on  
7 those.

8 DR. MELIUS: -- if those issues were  
9 resolved for --

10 DR. ZIEMER: Right.

11 DR. MELIUS: -- and that we just have to  
12 see where things go with some of these other  
13 issues later on.

14 DR. ZIEMER: They were kind of laying  
15 the groundwork for coming back to us and -- and  
16 saying we can't go as far as we thought we wanted  
17 to, is how I understood it. I'm -- I don't know  
18 that there's any action that we could take now  
19 that would --

20 MR. GRIFFON: Okay. I just --

21 DR. ZIEMER: Until they --

22 MR. GRIFFON: Maybe in the future we --  
23 I --

24 DR. ZIEMER: We may have to do something  
25 in the future, and I think he was --

1 MR. GRIFFON: Yeah, and I'm thinking  
2 about how -- how the Board is going to interface  
3 --

4 DR. ZIEMER: I think he didn't want to  
5 hit us cold with that at some point down the  
6 line.

7 MR. GRIFFON: Okay. But I think in the  
8 future we may need on there --

9 DR. ZIEMER: We may need to define what  
10 we think is a final report.

11 MR. GRIFFON: And -- and is within the -  
12 - I mean we may have to make some interpretations  
13 as a Board as to the --

14 DR. ZIEMER: Yes.

15 MR. GRIFFON: -- technical scope.

16 DR. ZIEMER: Yes.

17 MR. GRIFFON: Right.

18 DR. ZIEMER: Yes.

19 MR. GRIFFON: All right. I guess we'll  
20 leave it --

21 DR. ZIEMER: Yeah, good comment. Other  
22 items?

23 (No responses)

24 DR. ZIEMER: If not, we stand adjourned.  
25 Thank you very much.

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(Whereupon, the meeting was adjourned at  
3:10 p.m.)

