

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

+ + + + +

ADVISORY BOARD ON RADIATION AND  
WORKER HEALTH

+ + + + +

URANIUM REFINING  
AWES WORK GROUP

+ + + + +

TUESDAY  
AUGUST 16, 2011

+ + + + +

The Work Group convened telephonically at 9:00 a.m., Henry Anderson, Chairman, presiding.

PRESENT:

HENRY ANDERSON, Chairman  
R. WILLIAM FIELD, Member

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ALSO PRESENT:

TED KATZ, Designated Federal Official

DAVE ALLEN, DCAS

TERRIE BARRIE

HANS BEHLING, SC&A

MARY GIRARDO

SAM GLOVER, DCAS

JENNY LIN, HHS

JOHN MAURO, SC&A

JIM NETON, DCAS

LAVON RUTHERFORD, DCAS

BILL THURBER, SC&A

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

2 9:00 a.m.

3 MR. KATZ: Let's begin with roll  
4 call. First of all, this is the Advisory  
5 Board on Radiation and Worker Health; this is  
6 the Uranium Refining Atomic Weapons Employers  
7 Work Group, formerly called the TBD-6001 Work  
8 Group.

9 (Roll call.)

10 MR. KATZ: All right. So let me  
11 just remind everyone on the line, please mute  
12 your phone, except when you are addressing  
13 the group. If you don't have a mute button,  
14 press \*6, that will mute your phone. Press  
15 \*6 again to take your phone off of mute. And  
16 please, at no time put the call on hold. If  
17 you need to leave for a while, hang up and  
18 dial back in.

19 Thank you very much. And Andy,  
20 it is your agenda.

21 CHAIRMAN ANDERSON: Okay. The  
22 first on the agenda is Hooker Electrochemical

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1 and I believe the main thing is the review by  
2 SC&A and the White Paper going through the  
3 surrogate data use criteria that the Board  
4 established.

5 MR. THURBER: John, do you want me  
6 to pick that up?

7 DR. MAURO: Yes, Bill, just by  
8 way of orientation it might be helpful. Did  
9 everyone receive Bill Thurber's e-mail dated  
10 August 15? It was our attempt, or SC&A's  
11 attempt to collect everything. As you know,  
12 there are a number of sites that fall under  
13 the AWE Work Group and various stages of  
14 maturization. Some of them have been very  
15 mature, such as Hooker and United Nuclear and  
16 Electro Met and others are in their infancy,  
17 such as Baker-Perkins and DuPont. Bill did a  
18 nice job in assembling the matrices for all  
19 of these and have a cover that sort of gives  
20 a status as we understand it as of today.  
21 And so, if you don't have that, let us know.  
22 Ted, did you receive a copy?

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1                   MR. KATZ:        It was dated, you  
2                   said, yesterday?

3                   DR. MAURO:                Yes, dated  
4                   yesterday. So, yes, some of us may have been  
5                   on travel. It was sent out. Quite frankly I  
6                   asked Bill to do it, thinking that even  
7                   though it wasn't really explicitly asked of  
8                   us, I said "listen, there's so much here and  
9                   it could get kind of confusing. It would be  
10                  a good idea to get it all in one place." If  
11                  you don't have it in front of you, don't  
12                  worry about it. We will work our way through  
13                  it. But you should have it and I think it  
14                  will be useful in going forward because it  
15                  puts everything in one place. But with that,  
16                  and don't worry if you don't have it in front  
17                  of you, I will ask Bill to kick it off with  
18                  Hooker.

19                  MR. KATZ:        Let me just say, this  
20                  is Ted -- oh, let me remind everyone to  
21                  identify themselves when they speak, for the  
22                  court reporter. So I have it and I see that

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1 it was sent to all of the Board Members' CDC  
2 addresses as well as to related staff, I  
3 believe. So, yes. I think --

4 CHAIRMAN ANDERSON: It is six  
5 pages?

6 DR. MAURO: That sounds about  
7 right.

8 CHAIRMAN ANDERSON: Okay, yes I  
9 got it.

10 MR. KATZ: I don't know if Dave  
11 Allen received it or not.

12 MR. ALLEN: Yes, we got it here.

13 MR. KATZ: I did, and Sam. So  
14 everyone seems to have it. And the other  
15 important document is, the one that John has  
16 mentioned, is back in July, I think on July  
17 8, he sent out a review of Hooker and a  
18 matrix back then too.

19 MR. THURBER: This is Bill  
20 Thurber. Ted, that review is also included  
21 as the matrix for Hooker that is in this  
22 packet that you all got yesterday. Anyways,

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1 with regard to Hooker, at the last Work Group  
2 meeting, SC&A was tasked to review the NIOSH  
3 White Paper on the use of surrogate data at  
4 Hooker. And prior to SC&A performing its  
5 review, NIOSH was asked to update their White  
6 Paper to include specific reference to the  
7 air samples that they had actually used in  
8 their analysis. And David Allen issued a  
9 revision of the White Paper shortly after the  
10 May 16 Work Group meeting, and we then  
11 reviewed that document and provided a White  
12 Paper dated July 7. And in that White Paper,  
13 we concluded, as you can read in the summary  
14 of the status report as follows: "Based on  
15 our review we believe that NIOSH has  
16 addressed the ABRWH surrogate data criteria  
17 in an appropriate manner and that the use of  
18 surrogate data at Hooker is consistent with  
19 the Board criteria. Use of the selected  
20 surrogate data will result in plausible  
21 bounding estimates for internal exposures at  
22 Hooker."

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1           So, we felt that NIOSH had done a  
2 fine job in addressing the surrogate data  
3 question.

4           CHAIRMAN    ANDERSON:            Any  
5 questions? Bill, do you have any questions?

6           MEMBER FIELD: No.

7           CHAIRMAN ANDERSON:    Okay.

8           DR. MAURO:            This is John. I  
9 believe that was the only open item.  
10 Everything else was closed at previous  
11 meetings.

12          CHAIRMAN ANDERSON:    All right.  
13 Looking through the matrix, that seemed to be  
14 --

15          DR. MAURO:            That's correct.

16          CHAIRMAN ANDERSON:    The only, as  
17 I recall -- does this relate just to the slag  
18 surrogate? Did we deal with the surrogate  
19 data that was used for the other exposures?

20          MR. THURBER:          The exposures were  
21 only from slag.

22          CHAIRMAN ANDERSON:    Okay. So do

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1 we have anything else on Hooker then at all?

2 MR. THURBER: That's all we have  
3 from SC&A's standpoint.

4 CHAIRMAN ANDERSON: Okay. I  
5 have on the agenda here --

6 MR. KATZ: Oh, Andy?

7 CHAIRMAN ANDERSON: Yes.

8 MR. KATZ: I'm sorry. This is  
9 Ted Katz. So, if you have closed all the  
10 issues, I mean, the next step to do before  
11 you leave Hooker is to come up with a Work  
12 Group recommendation and a plan for  
13 presenting. It is on the agenda for the  
14 Board meeting next week.

15 CHAIRMAN ANDERSON: It is?  
16 Okay. I didn't see that.

17 MR. KATZ: It is, and so -- I  
18 believe it is. I hope I'm not confused about  
19 that, but it certainly should be. Hold on a  
20 second. Let me see what day it is on. Yes,  
21 it's on Wednesday and you were presenting.

22 CHAIRMAN ANDERSON: Okay.

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1                   MR. KATZ:        You are presenting  
2                   for the Work Group.

3                   CHAIRMAN ANDERSON:    Okay.

4                   MR. KATZ:        Reporting out for the  
5                   Work Group on Hooker.    And we'll need a  
6                   presentation, whether you do it just orally,  
7                   but it would be best if you actually come up  
8                   with either a PowerPoint where there will be  
9                   some slides or a written presentation.    And  
10                  the DCAS folks and the SC&A folks can assist  
11                  you with that, to the degree that you want  
12                  help, summarizing what the Work Group  
13                  reviewed, found, and its recommendations.

14                  CHAIRMAN ANDERSON:    Okay.

15                  MR. KATZ:        I think the first  
16                  thing formally, I think you have all agreed  
17                  with the Work Group on the individual  
18                  findings and closing them but you haven't  
19                  actually, I don't believe, but I didn't  
20                  finish reviewing all of the transcripts of  
21                  the last meeting.    I don't believe you  
22                  actually made, specified a recommendation for

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1 the Board, but it would be appropriate to do  
2 that as a Work Group first, because then it  
3 ends up being a motion to the Board.

4 CHAIRMAN ANDERSON: Okay. There  
5 is only two of us of the three, so I don't  
6 know if --

7 MR. KATZ: There is only two or  
8 three, that's true but two of three is a  
9 majority already. And keep in mind that this  
10 is really, it only ends up being a motion  
11 before the Board, so it's not that critical  
12 that you have everyone. It is always good  
13 to, we prefer to, but Mark hasn't been able  
14 to make these meetings and we don't want to  
15 leave this live forever. Mark can certainly  
16 weigh in at the Board meeting.

17 MEMBER FIELD: Ted, this is Bill.  
18 I think that Mark can easily review maybe  
19 what Andy puts together in the minutes from  
20 the last meeting to see if he is in  
21 agreement.

22 MR. KATZ: Absolutely. So Andy,

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1 I know we are very short on time, but the  
2 thing we normally do is, and I would send  
3 around the transcripts of the meetings to all  
4 of the Board Members, not just to Mark. But  
5 if you have time to get a brief presentation  
6 together, you would circulate it to your  
7 fellow Work Group Members so that they could  
8 say I agree or give you any suggestions if  
9 they have suggestions for the presentation.

10 CHAIRMAN ANDERSON: Sure. So,  
11 Bill, I don't know if the Chair can make a  
12 motion or not. But it seems to me that after  
13 our review and we've closed things out that  
14 the motion would be to accept the NIOSH  
15 recommendation, which was to -- wasn't it  
16 NIOSH's position that they could do dose  
17 reconstruction?

18 MR. ALLEN: Yes, this is Dave  
19 Allen. That was our recommendation in the  
20 Evaluation Report.

21 CHAIRMAN ANDERSON: Right.

22 DR. MAURO: And SC&A's

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1 findings, as a result of this process, is  
2 that we concur.

3 CHAIRMAN ANDERSON: Okay. So  
4 that would seem to be the motion from the  
5 committee would be that we will accept  
6 NIOSH's proposal that they are able to do  
7 dose reconstruction that would be claimant-  
8 favorable and therefore it would be to deny  
9 the petition? Bill?

10 MEMBER FIELD: Yes, I am just  
11 trying to get off mute here -- yes, I think  
12 that's correct, Andy.

13 CHAIRMAN ANDERSON: Okay.

14 DR. MAURO: If I may help, this  
15 is John. One of the issues always, as you  
16 know, is surrogate data and we will be more  
17 than happy to help out in any way we can, if  
18 you need help. I'm sure David is the same,  
19 in putting together the slides that summarize  
20 the large number of issues that were  
21 entertained, the number of changes that  
22 occurred in the process. And of course

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1 always the matter of surrogate data is always  
2 of great concern to the Board and how that  
3 was, came to resolution and why. Why we felt  
4 that it met the five criteria the Board has  
5 developed -- those are always of great  
6 interest to the Board. So any way we can  
7 help, we will be glad to help out.

8 CHAIRMAN ANDERSON: What I was  
9 going to -- let's first do the -- I guess if  
10 Bill and I are both in agreement on that for  
11 the proposal, then we will move forward with  
12 the recommendation and then I will need to  
13 have the assistance on the presentation. I  
14 don't know if I have it. I may, but I'm sure  
15 one of you probably has it more handy than I.

16 If you have the first presentation, slides  
17 from the first presentation that were made by  
18 NIOSH on their recommendation, that set of  
19 slides, I could probably pick from that. And  
20 then, John, if you folks are willing to do  
21 that, if you could put together some slides  
22 from the matrix.

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1 DR. MAURO: Sure.

2 CHAIRMAN ANDERSON: And I think  
3 we will circulate to the full Board your July  
4 7 White Paper review, as well as the NIOSH  
5 summary that they did -- or that you reviewed  
6 actually.

7 DR. MAURO: Sure.

8 CHAIRMAN ANDERSON: So those  
9 seem to be the key documents. So John,  
10 maybe, if you could put together a couple of  
11 slides from your White Paper review of the  
12 surrogate data issue. That seems to me to be  
13 the real issue here, and of all of the  
14 surrogate data issues that the Board has  
15 addressed, this one, to me anyway, seems to  
16 be a little more straightforward than usual  
17 because it just deals with the slag and the  
18 slag handling at the various surrogate  
19 facilities and really very similar to what  
20 was done here.

21 MEMBER FIELD: And Andy, this is  
22 Bill. I think it would be helpful too if we

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1       could just find a few minutes Tuesday to talk  
2       about the issues with Mark.

3                   CHAIRMAN ANDERSON:       Yes.     We  
4       will try to do that.

5                   MEMBER FIELD: Yes.

6                   CHAIRMAN ANDERSON:     I don't know  
7       if he is going to be out there or not.    But  
8       we can maybe touch base with him by phone.

9                   MR. KATZ:       Mark gets out there,  
10      I believe, Tuesday night.

11                  CHAIRMAN ANDERSON: Okay.

12                  MR. KATZ:        Wait.     The Board  
13      meeting starts Tuesday.   No, no.   So he gets  
14      out there, I believe, Monday night, and he  
15      will be there Tuesday and Wednesday.

16                  CHAIRMAN ANDERSON:     Oh, good.  
17      Then we can get together with him on Tuesday.

18                  MR. KATZ:        Yes.     John, is that  
19      clear for you, to summarize the matrix so  
20      that people know what issues are where and  
21      how they were resolved and then address the  
22      surrogate data in a series of slides that

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1 Andy can use?

2 DR. MAURO: Glad to do it. We  
3 will try to turn it into something giving it  
4 more of a -- not just itemize the issues but  
5 sort of tell the story of the issues.

6 MR. KATZ: Absolutely.

7 DR. MAURO: Yes, and how they  
8 were resolved. Yes, we'll do the way we've  
9 done these kind of things before.

10 MR. KATZ: Yes. That would be  
11 very helpful. In terms of timeline here, I  
12 know it's very late today. We are already  
13 here on Tuesday. Zaida will need the  
14 presentation for the Board meeting and so on  
15 at the very latest by Friday. So that is  
16 sort of the framework we are dealing with for  
17 timing.

18 DR. MAURO: We'll get on this  
19 right away and certainly circulate it with  
20 David and Jim. In effect, what we will be  
21 trying to do is capture the sense that  
22 emerged from the whole process in a story

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1 that is balanced and it is probably a good  
2 idea that, if it is okay with everyone else,  
3 that when I sent a draft out to the Work  
4 Group, I'll simultaneously send it to Jim and  
5 David for their consideration and Sam. See  
6 if there is anything else or rewording. This  
7 way we're sort of all on the same page. I  
8 think that's appropriate to make sure that it  
9 catches the whole story.

10 CHAIRMAN ANDERSON: I will be  
11 around all week. So if you can get that to  
12 me by Thursday, we can finalize it and get it  
13 to Zaida.

14 DR. MAURO: I will try to do  
15 better than that.

16 CHAIRMAN ANDERSON: I was just  
17 looking at it. If I was going to do it, it  
18 was going to be this weekend.

19 DR. MAURO: No, well, today's  
20 Tuesday, yes, we should be able to get  
21 something out by Thursday.

22 CHAIRMAN ANDERSON: Okay, great.

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1                   MR. KATZ:     That is great.  That  
2     is much appreciated, John.  Thank you.

3                   DR. MAURO:         That is the only  
4     one we have.  I am making promises like that  
5     guy in that commercial.

6                   CHAIRMAN ANDERSON:    Yes.

7                   (Laughter.)

8                   DR. MAURO:         Never mind.

9                   CHAIRMAN ANDERSON:    Okay.  So I  
10    think we've got that.  Any other comments on  
11    Hooker people have?

12                  MR. KATZ:         Andy, can I just  
13    check on the line?  This is Ted Katz again.  
14    Do we have the petitioner for Hooker on now?

15                  No, okay.  Okay, carry on, Andy.  I'm sorry.

16                  CHAIRMAN ANDERSON:    Okay.  I  
17    didn't hear them up front.  So let's move on  
18    to an update on Electro Metallurgical.

19                  MR. THURBER:    Okay, this is Bill  
20    Thurber.  We provided in the status report,  
21    which you received yesterday, an update on  
22    the Electro Metallurgical company matrix,

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1 which you all have and there were a number of  
2 findings of which -- I'm sorry. I'm looking  
3 at the wrong matrix.

4 CHAIRMAN ANDERSON: I don't  
5 think you sent out that.

6 MR. THURBER: Yes, everyone should  
7 have it. It comes after the Hooker matrix in  
8 the package.

9 CHAIRMAN ANDERSON: Okay,  
10 because I only got six pages.

11 MR. THURBER: There are actually  
12 18 pages. Does everyone else have 18 pages?

13 DR. NETON: We do here in NIOSH  
14 for the whole transmittal on yesterday's  
15 transmittal.

16 MR. THURBER: Yes, right.

17 MS. GIRARDO: Excuse me, this is  
18 Mary Girardo in Niagara Falls. Sorry for  
19 interrupting, but apparently something got  
20 hooked up on this phone conference.

21 DR. MAURO: Mary -- am I the  
22 only one that can hear Mary? Hello?

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1 MS. GIRARDO: Yes, I'm on.

2 DR. MAURO: I hear you, Mary,  
3 and this is John Mauro. I'm not sure if  
4 everyone else does.

5 MR. KATZ: I do.

6 DR. NETON: This is NIOSH in  
7 Cincinnati. We hear her.

8 DR. MAURO: Okay.

9 MS. GIRARDO: Yes. Something got  
10 hooked up here because you weren't hearing me  
11 so I had to re-call in. So is this the end  
12 of Hooker Chemical as far as you people are  
13 concerned?

14 MR. KATZ: Mary, this is Ted  
15 Katz.

16 MS. GIRARDO: Yes.

17 MR. KATZ: I'm sorry. Are you  
18 the petitioner for Hooker?

19 MS. GIRARDO: Yes, I am.

20 MR. KATZ: Thank you. That's why  
21 I asked if there was a petitioner for Hooker  
22 on the phone.

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1 MS. GIRARDO: Yes, I tried to  
2 respond but you weren't hearing me.

3 MR. KATZ: Yes, I'm sorry about  
4 that. But you certainly have an opportunity  
5 if you want to comment to the group. I  
6 assume you heard the discussion. I know you  
7 were on the previous teleconference -- or  
8 actually it was a face-to-face.

9 MS. GIRARDO: Yes, but this  
10 seems to be like a closed group. The  
11 petitioner is kept in the dark. The minutes  
12 have not been put on the website. So there's  
13 nothing from the last meeting to counteract  
14 this thing about surrogate data. There is  
15 questions about that. There has been no  
16 opportunity to speak. It has just been  
17 closed session for SC&A and NIOSH. So, I  
18 really don't know what you guys have been  
19 doing. Don't know what you are talking  
20 about. The White Paper deal, the petitioner  
21 hasn't received anything dealing with White  
22 Paper. So we don't really know what in the

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1 world you are doing. So, in other words,  
2 it's like a closed session and we're not to  
3 know. So that's my complaint.

4 MR. KATZ: I'm sorry about that,  
5 Mary, but the transcript is on the website  
6 actually, for the last meeting. The White  
7 Papers -- I really don't keep track of  
8 whether, for example, the NIOSH White Papers  
9 have been PA, Privacy Act, cleared or not.  
10 But certainly you can --

11 MS. GIRARDO: But you are making  
12 these decisions, folks, based on what you  
13 know and what nobody else knows and that's  
14 not fair. We have nothing to look at,  
15 whether we understand it or not, we have  
16 nothing in front of us to see what in the  
17 world you are talking about to even make a  
18 stab at it. This is wrong.

19 MR. KATZ: David, do you know if  
20 the DCAS White Papers are Privacy Act  
21 cleared?

22 MR. ALLEN: No, Ted, I don't

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1 know off the top of my head.

2 MR. KATZ: Okay. Well, one  
3 thing we can do in the meanwhile is check on  
4 that. Get them cleared. You can have copies  
5 of those White Papers that have come since  
6 the NIOSH Evaluation Report. And likewise,  
7 we will do the same thing with the SC&A White  
8 Papers on Hooker, if they are not already  
9 cleared. And I believe I've asked for those  
10 to be cleared but I couldn't be certain that  
11 they are out and available already because  
12 there is a process in reviewing them.

13 MS. GIRARDO: Well, if you were  
14 in my position, wouldn't you think that this  
15 was a fixed-up job, that it was all planned?  
16 Because it's very suspicious, this whole way  
17 that you are doing things. And if a person  
18 is suppose to speak in front of the Board,  
19 you've got to know exactly what in the world  
20 you are talking about to some degree, don't  
21 you?

22 MR. KATZ: I actually agree, and

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1 that's why we have these meetings in public,  
2 on the phone, with a phone line and that's  
3 why we do put out transcripts for these  
4 meetings.

5 MS. GIRARDO: But, first, the  
6 petitioner is told that they don't speak  
7 unless you people give the go-ahead. We  
8 aren't even allowed to speak. So, I'm  
9 surprised that you are even listening to me.  
10 I've been told more than once that this  
11 meeting, the petitioners are not allowed to  
12 speak. So now, here I am speaking. So you  
13 see, I don't understand this whole routine.  
14 I really don't. And this part about  
15 surrogate data and slag, you guys just don't  
16 make sense at all. You have to talk to the  
17 common people. You have to talk in plain  
18 English. And you've got to make it clear to  
19 people what in the world you are dealing  
20 with. And you can't just say slag surrogate  
21 data, everything's fine. Well, it may be  
22 fine with you but it is sure not fine with

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1 the rest of us. So I thank you, and I'm  
2 going to exit this meeting because I see no  
3 point in continuing in on it. Thank you very  
4 much for the opportunity. Goodbye.

5 MR. KATZ: Okay, Andy?

6 CHAIRMAN ANDERSON: Yes.

7 MR. KATZ: Okay, I think we can  
8 proceed from there. And we will work on  
9 getting Mary at least the White Papers.

10 CHAIRMAN ANDERSON: Is the  
11 matrix an available item or not?

12 MR. KATZ: We can -- well, the  
13 matrix itself -- we can PA clear anything,  
14 yes. So we will get this latest matrix on  
15 Hooker PA cleared. We really just need that  
16 section PA cleared. And like I said, I  
17 believe I've asked for the Hooker White Paper  
18 to be PA cleared, so I believe your SC&A part  
19 is probably done by now, cleared and ready to  
20 go to her. And I would ask if we could do  
21 the same for its White Paper.

22 CHAIRMAN ANDERSON: Yes, those

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1        seem to be the two key documents that  
2        apparently she hasn't seen, so if we can get  
3        those to her.

4                    MR. KATZ:        Right. I think that  
5        would be good.

6                    CHAIRMAN ANDERSON:        And we need  
7        to be able to arrange, I assume she won't be  
8        -- or maybe she will be out in Pasco but at  
9        least have her be able to be on --

10                   MR. KATZ:        Yes, that is already  
11        arranged. I mean, someone from NIOSH  
12        contacts each of the petitioners and informs  
13        them about what's on the agenda and finds out  
14        whether they are interested in speaking to  
15        the Board, either in person or by phone. So  
16        that should already be taken care of.

17                   CHAIRMAN ANDERSON:        Okay.  
18        Because she didn't know that, maybe she  
19        didn't know that we were this close to just  
20        having the one issue.

21                   MR. KATZ:        Well, yes. I mean,  
22        frankly, I thought that the discussion at the

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1 last meeting was very clear and sort of  
2 systematic in going through the issues and  
3 closing the issues. I can understand though,  
4 you know, folks in the public, the  
5 petitioners, they have a hard time following  
6 along on these technical issues.

7 CHAIRMAN ANDERSON: Yes.

8 MR. KATZ: And you know in some  
9 Work Groups, they've asked for things made in  
10 a sort of simplified form for them produced  
11 and we've been able to do that in some cases.

12 We did some of that for Linde, I think. But  
13 it is very tough for them to follow the  
14 technical issues, which is not their bag,  
15 particularly if they are not someone who  
16 worked at DOE or worked in these processes at  
17 DOE, trying to understand what is being  
18 discussed is hard.

19 CHAIRMAN ANDERSON: Okay, well  
20 let's then, as long as you are going to be  
21 taking care of getting what information is  
22 cleared to her, that would be helpful.

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1                   MR. KATZ:     Yes.    I will follow  
2                   through on that.

3                   CHAIRMAN ANDERSON:     Okay, and I  
4                   found the 18 pages.   I had somehow or other  
5                   only six printed for me.   So go ahead, I got  
6                   it up.

7                   MR. THURBER: Okay, good.   This is  
8                   Bill Thurber again.    Do you want to go  
9                   through these findings item by item or how  
10                  would you like to proceed on this?   In a lot  
11                  of cases, when these findings were discussed  
12                  at the May 16 Work Group meeting, NIOSH said  
13                  that they were still waiting on information  
14                  from DOE, and without this additional input  
15                  from DOE, there were many of the findings  
16                  that were in abeyance because they couldn't  
17                  come up with a good source term calculation.

18                  So, however you would like to proceed.   We  
19                  can go through them item by item or whatever.

20                  CHAIRMAN ANDERSON:     Well, if we  
21                  could just --

22                  DR. GLOVER: I just want to make a

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1 suggestion. This is Sam Glover at NIOSH. We  
2 finally received the letter from Department  
3 of Labor so I thought maybe -- so we really  
4 hadn't had a chance to proceed on that  
5 because we needed our source term  
6 information. Maybe we could just go over  
7 some of the things that we have been able to  
8 cover because we really, until we got that  
9 information, couldn't proceed.

10 CHAIRMAN ANDERSON: Okay.

11 DR. GLOVER: It's up to you.

12 CHAIRMAN ANDERSON: That sounds  
13 good.

14 DR. GLOVER: I certainly, if  
15 SC&A, Bill, if you still had action items. I  
16 think most of the things were in our court  
17 though.

18 MR. THURBER: They were all in  
19 your court, Sam, I believe. Trying to make it  
20 easy.

21 DR. GLOVER: There you go. Make  
22 it easy that way. So here's what we've made

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1 progress on.

2 CHAIRMAN ANDERSON: That's what  
3 I thought we were just going to hear about  
4 today is if anything has transpired, and it  
5 sounds like it has. So if you want to just  
6 give a quick update on that.

7 DR. GLOVER: So really the  
8 thing, last week we finally received a letter  
9 from the Department of Energy regarding ore  
10 operations and thorium operations at Electro  
11 Met and I'm just going to paraphrase. Ted, I  
12 apologize. I was on travel a lot and didn't  
13 get to forward -- I had forgotten to forward  
14 that to you guys. So Ted, you should have a  
15 copy of that now, if you don't mind  
16 forwarding that to the appropriate folks. So  
17 I did include Ted on that letter. Basically,  
18 they said that they looked at our  
19 information. They can't really put a  
20 timeframe of when ore operations were there  
21 nor really what the scope is. Dave Allen and  
22 I went through the operations very thoroughly

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1 and back to the letters. And everything we  
2 can tell, with the information we have, shows  
3 that it was probably a laboratory level 25/50  
4 pound kind of operation conducted earlyish in  
5 the '44, '45 time frame at Electro Met. So  
6 DOE doesn't give any additional information.  
7 They didn't find anything additional to what  
8 we had. They do concur that there was some  
9 ore there. They couldn't put time scopes to  
10 it. They did also say that they were going  
11 to remove thorium from the listing that they  
12 had included because they had no information  
13 thorium had been included. They have no  
14 information that shows thorium was ever at  
15 the facility. So, you now have a copy of  
16 that letter. So that -- we thought there  
17 might have been several tons that were  
18 shipped. That may not be the case. It looks  
19 like a more modest amount, as we review the  
20 records more carefully in the overall set,  
21 but at least what we understand. I think  
22 where that leaves us, however, is the back-

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1       extrapolation timeframe where we are looking  
2       at back-extrapolating using that '48 data to  
3       go back to '43. So where I am, as I talk to  
4       Jim and Dave and Stu, is that we are  
5       currently reviewing our data as it supports  
6       dose reconstruction and we are focusing on  
7       concentrating on that back-extrapolation  
8       timeframe. So that's really the focus where  
9       we are at, what data we have and whether  
10      that's going to support that timeframe for  
11      dose reconstruction, mostly regarding the  
12      uranium data and not concentrating on this  
13      ore component.

14                   CHAIRMAN ANDERSON:        We don't  
15      know -- we are not going to find out how much  
16      ore was processed, it sounds like. I mean,  
17      you have a sense that it might not have been  
18      very much, but we really don't know.

19                   DR. GLOVER:        DOE was hesitant to  
20      -- I can read -- let's see. I will read a  
21      little more carefully here. "This document  
22      confirms that Electro Met received varying

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1 grades of uranium ore from the Belgian Congo.  
2 The facility supported the beneficiation  
3 program which involved assessing different  
4 ore leaching methods to determine the best  
5 approach to larger-scale mill operations to  
6 recover uranium. They were unable to find any  
7 additional documents relevant to our  
8 request."

9 And that's pretty much where they  
10 left it. So that is --

11 DR. NETON: This is Jim. DOE is  
12 not able to tell us how much was there. All  
13 records that we have, as Sam said, indicate  
14 small quantities. But we, as Sam indicated,  
15 are refocusing our efforts on looking at the  
16 dose reconstruction process for the earlier  
17 years, in light of, frankly, SC&A's findings,  
18 and our looking at it a lot closer. And we  
19 feel that is the place to look right now to  
20 see if we can actually continue to do dose  
21 reconstructions and will come to some  
22 determination in the near future on that.

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1                   CHAIRMAN ANDERSON:        So that's  
2       really finding number two is still on hold  
3       while you look at things.

4                   DR. NETON:        Right.  We think if  
5       something comes up where we feel that maybe  
6       dose reconstruction is not possible, I'm not  
7       saying we've reached that determination, but  
8       saying we did, it would be on a uranium  
9       basis, and that would sort of make the ore  
10      situation, I don't want to say irrelevant,  
11      but --

12                  CHAIRMAN ANDERSON:    Yes.  Okay.

13                  DR. MAURO:        Jim, this is John.  
14      Now my recollection is that when I think  
15      back of many of these different sites we work  
16      on.  Really the only thing I am able to keep  
17      in my mind is the 30-second sound bite until  
18      I actually go into it.  But I remember there  
19      were two aspects of this particular site that  
20      remained with me.  One is, back-extrapolating  
21      from '47/'48 data  when you did have data on  
22      uranium and then back-extrapolating to the

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1 earlier '40s, which is what you just  
2 mentioned. And the other one had to do with  
3 -- and I remember Bill explaining to me that  
4 Electro Met is a very, very large site. And  
5 the place where the operations took place  
6 that are under discussion was -- the way I  
7 keep it in my head, a postage stamp on this  
8 large envelope and there was some questions  
9 on whether or not, when the issues are being  
10 aired, whether or not we are able to confine  
11 our concerns to just this localized area that  
12 perhaps was under tight security control,  
13 access control where we knew who was going in  
14 and going out and therefore the issue is just  
15 the smaller area where the work was going on  
16 or whether there was, as we ran into, I guess  
17 in GE, more of a difficult problem in  
18 defining the size of the area that's under  
19 consideration. Is that still a matter before  
20 us?

21 DR. NETON: Well, we examined  
22 that and I think that relates to issue number

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1 one.

2 DR. MAURO: Okay.

3 DR. NETON: No, where was that?

4 I'm on the wrong --

5 MR. THURBER: Yes, that is finding  
6 one, that is correct.

7 DR. NETON: Finding one, and Sam  
8 I can speak to that but we did follow up on  
9 that with, was it Energy?

10 DR. GLOVER: With Department of  
11 Labor.

12 DR. NETON: Labor rather. Go  
13 ahead, Sam. Tell them what we found.

14 DR. GLOVER: So we spoke with  
15 Department of Labor regarding this and based  
16 on their records, they cannot differentiate  
17 the people. They just simply do not have the  
18 ability to do it. Yes it is, there is not  
19 differentiation between Electro Met and  
20 Electro Met little in the middle. It is  
21 Electro Met. So they don't say the little  
22 building here, they call Electro Met Electro

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1 Met. And when they go do employee  
2 verification they simply do not have the  
3 records. We've got that documented and DOL  
4 puts people in places. Whether we try to  
5 make that distinguished, you try to  
6 distinguish that or not, they can't put them  
7 in place. That's how they are going to treat  
8 them. That's what they've told me. There's  
9 nothing I can do.

10 DR. MAURO: Okay, that helps,  
11 because I remember that was important because  
12 the number of people changes dramatically in  
13 terms of the issue, depending on how you draw  
14 those boundaries.

15 DR. GLOVER: So I apologize that  
16 I haven't gotten farther for you on this but  
17 we had to wait until we got the ore  
18 discussion.

19 DR. MAURO: No, I understand.

20 DR. GLOVER: So that's, we will  
21 proceed with due haste and get some  
22 additional follow-up on these action items.

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1                   CHAIRMAN    ANDERSON:            Okay,  
2    others?

3                   MEMBER FIELD: Yes, this is Bill.  
4    I just had a question.    Does anyone know  
5    what the original source was to indicate that  
6    there may have been thorium used at the site?

7                   DR. GLOVER:        We have no idea.  
8    That was just put into -- they used thorium  
9    at the facility in the `60s or `50s, late  
10   `50s, outside the covered period.    So the  
11   facility had some specific, some other things  
12   that they cleaned up and so I think it got  
13   drug in from the clean-up documents, some of  
14   the descriptions they had.    That, as I  
15   started to think about it more, I think it  
16   came from some different documentation but  
17   not from the DOE process that occurred in the  
18   early `40s, to the beginning of the `50s.

19                  MEMBER FIELD: Okay.

20                  CHAIRMAN ANDERSON:        What about  
21    finding number six on the air?

22                  DR. NETON:         I think these are

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1 all related to the general issue of our going  
2 back and looking at our ability to  
3 reconstruct uranium.

4 CHAIRMAN ANDERSON: Yes.

5 DR. NETON: There is a lot of  
6 things we need to consider such as: what kind  
7 of work processes were there? Was this  
8 mechanical, shuffling, that sort of thing,  
9 and we are rethinking our position on this  
10 right now.

11 CHAIRMAN ANDERSON: So all of  
12 these things kind of roll into that.

13 DR. NETON: All of the internal  
14 issues that are there kind of roll into that  
15 one.

16 CHAIRMAN ANDERSON: Okay. So  
17 then it is kind of what's your timeline, do  
18 you think, Jim?

19 DR. NETON: I would say that we  
20 will have a position here well in advance of  
21 the December Board meeting.

22 CHAIRMAN ANDERSON: Okay.

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1 DR. NETON: Easy to say now  
2 since it is only August, but I think this  
3 will go fairly quickly on our side.

4 CHAIRMAN ANDERSON: Okay, great.  
5 Any other questions on Electro Met? Bill?  
6 Do we have the petitioners on? Okay. Either  
7 people are on mute and they are talking.  
8 Should we move on to United Nuclear?

9 DR. MAURO: How would you like  
10 to proceed?

11 MR. THURBER: I can pick it up if  
12 you want, John.

13 DR. MAURO: Yes. I know Hans  
14 also, the both of you worked pretty closely  
15 on this. Why don't you get it started?

16 MR. RUTHERFORD: This is LaVon  
17 with NIOSH. I do want to point out the fact  
18 that we haven't issued any White Papers in  
19 resolution to the issues that SC&A has  
20 previously identified from the last Work  
21 Group meeting. We are working towards  
22 resolutions to those issues and actually we

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1 can provide the Board -- or the Work Group  
2 some better dates on completion of those  
3 issues within the next week or two. We  
4 should be able to finalize some good dates  
5 based on the resources that are available.

6 I just wanted to point that out  
7 instead of going through each of the issues  
8 where we are going to end up coming back to  
9 stating that we are working on those issues  
10 at this time. And, again, we can give you  
11 some better dates here within the next week  
12 or two. I can send that out to the Work  
13 Group as soon as those are available.

14 DR. NETON: Which site is this  
15 we're talking about?

16 MR. RUTHERFORD: United Nuclear.

17 DR. NETON: Oh, we are skipping  
18 over DuPont?

19 MR. RUTHERFORD: Yes.

20 DR. NETON: Okay.

21 CHAIRMAN ANDERSON: We had  
22 started talking briefly about United Nuclear

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1 but you are still working on that?

2 MR. RUTHERFORD: Yes, the actual  
3 matrix that was provided with the grouping  
4 that Bill Thurber provided, I appreciate that  
5 because it does actually identify the issues  
6 that are closed and the issues that are open  
7 and the issues focused around the internal,  
8 we are working at, that were previously  
9 identified. And all the issues that are  
10 open, we have action items and we are working  
11 to resolve those issues. Again, I anticipate  
12 having good dates for the Work Group within  
13 the next week or two weeks.

14 CHAIRMAN ANDERSON: Okay.

15 MR. RUTHERFORD: That we can  
16 identify future Work Group meetings.

17 CHAIRMAN ANDERSON: Okay. Do we  
18 want to go talk about the other sites that  
19 are listed here? I don't know, is there  
20 anything to --

21 MR. THURBER: Neither of, the  
22 other two sites -- this is Bill Thurber.

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1 Neither Baker-Perkins or DuPont Deepwater  
2 have been on the Work Group agenda. We  
3 provided just for informational purposes the  
4 Baker-Perkins matrix at last Work Group -- or  
5 in some of the material we supplied for the  
6 last Work Group meeting. But the matrix was  
7 not reviewed. We just recently, I think in  
8 the last week or so, got DOE clearance and  
9 issued our report on DuPont Deepwater and  
10 have, based on that report, also supplied a  
11 findings matrix. Again, this has never been  
12 discussed. These are kind of just for the  
13 group's information at the moment.

14 CHAIRMAN ANDERSON: And both of  
15 these are just Site Profiles, right?

16 MR. THURBER: Yes. They are both  
17 Site Profile reviews, not SEC.

18 DR. MAURO: And I don't believe  
19 there are any SECs active on either Baker or  
20 DuPont.

21 CHAIRMAN ANDERSON: Okay.

22 DR. MAURO: So these are pure

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1 Site Profile issues.

2 CHAIRMAN ANDERSON: Okay.

3 MR. ALLEN: This is Dave Allen  
4 from NIOSH. I've got one suggestion. As far  
5 as DuPont, as Bill said, we just got this  
6 like last week so we haven't had a chance to  
7 really digest that one yet. But the Baker-  
8 Perkins, Bill, you can correct me if I'm  
9 wrong, but I believe all of these findings  
10 are associated with the original Appendix P.

11 MR. THURBER: Yes, they are, Dave.  
12 I'm pretty they are, yes.

13 MR. ALLEN: Yes. And since that  
14 time, we revised that appendix into a  
15 standalone TBD and when that happened, we did  
16 have these findings alongside of us and we  
17 tried to address these findings and the TBD  
18 because the original TBD was based on some of  
19 the defaults in TBD-6001 and we had to go  
20 away from that.

21 MR. THURBER: Right.

22 MR. ALLEN: So, my personal

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1 opinion, I'm thinking this might warrant, I  
2 guess, what would you call it? A focused  
3 review of the TBD compared to these findings.

4 I mean, several of these just seem like they  
5 are moot now.

6 MR. THURBER: That could well be.

7 And if the Work Group wants us to do it --  
8 help me, John, here. I think that we could  
9 certainly undertake a focused review of the  
10 standalone TBD and come up with a revised  
11 matrix.

12 DR. MAURO: Yes. It may turn  
13 out a lot of these go away, as they have in  
14 the past, because you are absolutely right.  
15 I didn't think of that. Because I think the  
16 Baker-Perkins has been, you have reissued, as  
17 your cover memo indicate, I believe the  
18 original Baker-Perkins was withdrawn. I'm  
19 not sure. Yes, it was. Let's see, I'm  
20 looking down at the front. Yes, it was  
21 canceled on February 17. Now -- and I am  
22 presuming there is a revised Baker-Perkins

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1 active now and perhaps -- I don't know, Bill,  
2 do you know whether our review was done --

3 MR. THURBER: No, our review was  
4 back in September of last year.

5 DR. MAURO: Okay. So, that  
6 means that our review is dated.

7 MR. THURBER: That's right.

8 DR. MAURO: And so I think it  
9 would not serve the Work Group well for us to  
10 review issues given that the -- we probably  
11 should take a quick look. I don't think it's  
12 a big deal. I think these are not big  
13 matrices and just to see how you step back  
14 away from TBD-6001 defaults and have adopted  
15 other strategies for dealing with these  
16 matters. I will leave it up to, of course,  
17 you folks, if you like us to go back and  
18 revisit and update our report, revise the  
19 matrix to reflect these changes and then  
20 maybe we will be on better standing.

21 CHAIRMAN ANDERSON: I think that  
22 would be a good -- rather than try to go

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1 through something that's not dated and  
2 support document as changed. I think if you  
3 could redo the matrix, look at your initial  
4 points, see if they are still relevant or  
5 not.

6 MR. THURBER: Yes.

7 CHAIRMAN ANDERSON: And where's  
8 the new TBD? Is that on the website?

9 MR. THURBER: Yes, it is. It is  
10 covered in the front page of the status  
11 report.

12 CHAIRMAN ANDERSON: Okay.

13 MR. THURBER: Down there  
14 somewhere. It was formerly Appendix P.  
15 There is a link there.

16 CHAIRMAN ANDERSON: Okay.

17 MR. THURBER: Which we lifted from  
18 the NIOSH website.

19 CHAIRMAN ANDERSON: Okay. I see  
20 them now. And 6001 is not there anymore. I  
21 want to be sure I can get it. Okay.

22 DR. MAURO: Now that's not,

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1 that's not the case of DuPont. DuPont,  
2 unlike Baker, was in fact released recently  
3 and does reflect -- I don't even think DuPont  
4 is part -- is DuPont part of 6001?

5 MR. THURBER: Oh, yes.

6 DR. MAURO: Oh, it was, okay.

7 MR. THURBER: It was Appendix  
8 whatever, P.

9 DR. MAURO: It was one of the  
10 appendices. Well, anyway, that was done only  
11 recently and does reflect the latest version  
12 of DuPont. So it doesn't suffer from the  
13 same problem as Baker.

14 MR. THURBER: No, it was the Site  
15 Profile that we reviewed.

16 DR. MAURO: We reviewed the  
17 Site Profile. So of course it was only  
18 issued last week, so certainly NIOSH didn't  
19 have a chance to look over these. If you  
20 would like to quickly go -- there are seven  
21 findings, these are pretty straightforward.  
22 If you want to go through them quickly, or

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1 would NIOSH care to wait until you have a  
2 chance to look it over, read the report and  
3 then fill in, I guess, column two in the  
4 matrix?

5 CHAIRMAN ANDERSON: My  
6 preference would be, I think we are going to  
7 want to have another meeting before the  
8 December meeting. So, unless NIOSH has some  
9 thoughts on it, rather than have you go  
10 through your comments and NIOSH say, well,  
11 we'll --

12 DR. MAURO: Right.

13 CHAIRMAN ANDERSON: We'll look  
14 at them, and so I would like to see the  
15 matrix filled in.

16 DR. MAURO: And I agree.

17 CHAIRMAN ANDERSON: Then we can  
18 focus on that discussion.

19 DR. MAURO: Yes. And there's  
20 nothing that nuanced about these that require  
21 development in a conversation like now. I  
22 think when NIOSH reads it, it will say, oh,

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1       yes, I can see what this is all about. The  
2       Putzier effect, things like that. Things  
3       that everyone has seen before. So it's not  
4       that there will be any ambiguity about the  
5       points we are making.

6                   CHAIRMAN ANDERSON:     Jim, is that  
7       okay with you?

8                   DR. NETON:        Sounds good with us.

9                   CHAIRMAN ANDERSON:        Yes. We  
10       don't need a -- any other issues related to  
11       this? So basically DuPont, that matrix is  
12       really still current, where the Perkins one  
13       is now a standalone TBD.

14                   MR. THURBER:    And we will revise  
15       that and for Baker-Perkins we will revise our  
16       report and provide an updated matrix.

17                   CHAIRMAN ANDERSON:     Okay.

18                   DR. MAURO:        So SC&A has two  
19       action items: help out the Hooker slides and  
20       re-review Baker-Perkins.

21                   CHAIRMAN ANDERSON:     Right.

22                   MR. THURBER:    That is what I have

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1 on my list, John, yes.

2 DR. MAURO: Okay.

3 CHAIRMAN ANDERSON: Okay.

4 MR. KATZ: Andy, this is Ted  
5 Katz. I just -- and I was dealing with one  
6 of these, Mary's issues for a second, so I  
7 didn't have my ears on for all of the United  
8 Nuclear discussion but do we have a  
9 timeframe, folks, Jim, Dave, for when it  
10 makes sense? I mean, the SECs being a  
11 priority, Electro Met and United Nuclear as  
12 to when we should be meeting next?

13 MR. RUTHERFORD: Ted, this is  
14 LaVon. I'm the POC on United Nuclear and  
15 what I had committed to the Work Group was  
16 that we would be able to provide some good  
17 dates for completing the -- or for producing  
18 some White Papers and stuff on the issues  
19 that were previously identified. I can give  
20 good dates on that probably within the next  
21 week or two weeks. As soon as I get those  
22 good dates, I will get them immediately to

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1 the Work Group and that will help them  
2 identify a date that we could have our next  
3 Work Group meeting.

4 MR. KATZ: Thank you, LaVon.  
5 And Electro Met, what's the date frame for  
6 that?

7 DR. NETON: Electro Met, it's  
8 going to take a matter of a few weeks or  
9 more, probably within a month.

10 MR. KATZ: Okay. So that one is  
11 certainly realistic to address in the next  
12 Work Group meeting before the next Board  
13 meeting?

14 DR. NETON: That is what I said  
15 earlier. I thought we could provide them the  
16 information well in advance of the December  
17 meeting.

18 MR. KATZ: Great. I'm sorry. It  
19 is my fault for having missed those points.

20 DR. NETON: I'm just trying to  
21 be consistent, remember what I said.

22 CHAIRMAN ANDERSON: That is what

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1 you said. You said well before the December  
2 meeting.

3 (Laughter.)

4 MR. KATZ: Okay. So we will  
5 certainly then wait on you, Lavon, before we  
6 try to schedule the next Work Group meeting.

7 CHAIRMAN ANDERSON: Probably  
8 going to have to be some time in November.

9 MR. KATZ: Right, that's my  
10 guess.

11 CHAIRMAN ANDERSON: Yes. Okay.  
12 So we pretty well out of assignments here?

13 MR. KATZ: We do. One other  
14 thing. This is Ted again. One of the things  
15 I was looking to is that the transcript from  
16 the last meeting, because I was concerned  
17 about Mary's point she was making that she  
18 doesn't feel like the petitioners have been  
19 given an opportunity to speak for the Work  
20 Group. That wasn't the case at the last Work  
21 Group meeting because another petitioner -- I  
22 assume she was a petitioner, but she was

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1 speaking for the petitioners, did ask about  
2 this and we did say certainly, petitioners  
3 can speak to the group, and she did speak to  
4 the group at the last meeting.

5 But I do think, to Mary's point,  
6 we probably could be more systematic and  
7 conscientious about asking for petitioners'  
8 comments to make them welcome to speak up in  
9 these meetings. I know we try to do that,  
10 but then we get tangled up in technical  
11 things and just carry on.

12 CHAIRMAN ANDERSON: Yes.

13 MR. THURBER: Ted, this is Bill  
14 Thurber.

15 MR. KATZ: Yes.

16 MR. THURBER: I happened to notice  
17 on the website, the agenda website that it  
18 said this meeting is open to the public but  
19 without a public comment period. So I think  
20 that was probably one of the things she was  
21 referring to as well.

22 MR. KATZ: That is interesting.

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1 I mean, I didn't even know they made that  
2 notice. We don't have a public comment  
3 period, none of the Work Group do, because  
4 they're really intended for the Board to do  
5 its work. In the rest of the Federal Advisory  
6 Committee world, they are not even open to  
7 the public. But we've always, in all of  
8 these Work Groups, invited the public to  
9 comment, particularly dealing with petitions.

10

11 And most Work Groups, there are  
12 many Work Groups that there are petitioners  
13 who actually participate heavily with  
14 comments during the session even though there  
15 is not a public comment session. But they  
16 raise their questions and they make their  
17 comments as we go along, as most of you know  
18 who sit on other Work Groups.

19 So, I know Denise Brock, who's  
20 ombudsman, has been consulting with Mary or  
21 Mary has been consulting with her to help her  
22 along. I think she's maybe not so acquainted

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1 with how things go, although the other  
2 petitioners commented at the last meeting,  
3 maybe she felt a little intimidated or what  
4 have you about speaking up. But we certainly  
5 can always try to do better on this front.

6 CHAIRMAN ANDERSON: It seems,  
7 and certainly on the phone, I would say it is  
8 even for us difficult to follow unless you  
9 have the matrices in front of you. It would  
10 seem to me being able to clear matrices at  
11 some point would -- those are a nice  
12 capsulized summary of what the issues and the  
13 discussion has been, and then I think that's  
14 a little easier for them to respond to than  
15 trying to listen as we go forward. And we  
16 have documents in front of us that they  
17 don't.

18 MR. KATZ: Yes. And the  
19 difficulty is, matrices are typically just in  
20 time. PA clearing them has been practically  
21 impossible in time for the meetings.

22 CHAIRMAN ANDERSON: Yes, I know.

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1       Okay.

2                       MR. KATZ:     I have asked for this  
3       one to be PA cleared for Mary, to be sent to  
4       Mary, dealing with the Hooker part of it and  
5       it shouldn't take too long to clear that  
6       piece of it.    So, yes, when we can, we PA  
7       clear matrices when we know someone wants  
8       them and when we know, when we get them early  
9       enough, but typically get them just ahead of  
10      a meeting and then it's literally impossible  
11      to do that.

12                     DR. MAURO:     Ted, I have a suggestion  
13      that might be helpful, because it benefits me  
14      very often when I prepare for these.    The  
15      matrices serve their purpose well.    They keep  
16      it organized and keep the work moving and the  
17      team, everyone is involved, is tracking it,  
18      and all the history of it is here.    But I  
19      could almost envision a person listening in  
20      who may not have been tracking it.    And  
21      usually there is a story.    As you go back to  
22      the history, a very complex one, United

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1 Nuclear, for example, which has, I don't even  
2 know how many meetings. But it turns out, the  
3 way I always look at this is: it always  
4 really boils down to a simple story. The way  
5 we talked about Hooker. Well, when we're all  
6 said and done, it's really, you've got some  
7 data in the later years but you don't really  
8 have too much data in the early years. And  
9 now there is some question regarding whether  
10 there was how much and whether or not there  
11 was any ore. And all of a sudden it becomes a  
12 very simple story. Rather than 25 different  
13 issues that are cryptically identified in a  
14 matrix which would make a person's head spin.

15           If we could start off, especially  
16 a Work Group like this that really has its  
17 work cut out, we're dealing with five or six  
18 different sites. A little bit of, a few  
19 minutes in the front end, to sort of regroup,  
20 might be helpful as much to us as it is  
21 certainly to any of the interested parties  
22 that might be listening in.

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1                   MR. KATZ:           John, I couldn't  
2           agree with you more. And I actually, this is  
3           something you have a good talent for too, for  
4           sort of just reminding everybody of the story  
5           before we delve into it. And I think that is  
6           something that might help at the head of  
7           these meetings where when we begin to speak  
8           about a site, to just have a brief recap  
9           orienting the public. In some Work Group  
10          meetings we do that. We think of that and  
11          actually --

12                   DR. MAURO:           Right, right.

13                   MR. KATZ:           When we start to --  
14          we did that, I think, yesterday, when we  
15          starting marching into a detail and then we  
16          step back and say, wait, let's just, for the  
17          sake people listening, start at the beginning  
18          of it. So I think that is a good suggestion.

19                   DR. BEHLING:       Ted and John, this  
20          is Hans Behling. I do want to make a comment  
21          exactly to this issue here because I've been  
22          involved in so many instances with reviewing

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1 an AWE or a Site Profile or a PER and  
2 initially we go to great lengths to explain  
3 what our concerns may be. And then, of  
4 course, a document that may be 10, 15, 20  
5 pages get condensed to a handful of comments  
6 that enter a matrix and oftentimes there will  
7 be subsequent meetings that will occur months  
8 or even years later, and no one remembers  
9 exactly what the detailed information was  
10 that was initial trigger for these comments  
11 that ended up being reduced to a single  
12 sentence or two in the matrix.

13 I think it would be very helpful  
14 if in the matrix we identify the date and the  
15 title of the document that preceded these  
16 matrix comments so that somebody might could  
17 go back and again refresh themselves as to  
18 what the initial discussions were that gave  
19 rise to the matrix. Because sometimes, after  
20 months or years we somehow lose sight of the  
21 complexity of some of the issues that are  
22 overly simplified in the matrix and somehow

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1       lose their meaning.

2                       MR. KATZ:       Yes, Hans, I think  
3       your case is particularly true in a site  
4       that's gone through a lot of review and a lot  
5       of White Papers and so on.   Sometimes the  
6       matrices all represent one review, in which  
7       case it is not such a problem.   But I agree  
8       with what you are saying, Hans, with some of  
9       these more complex, long reviews, it gets to  
10      be labyrinthine and it's all, like you say,  
11      condensed into a very brief sound bite in a  
12      matrix.

13                     Anyway, this is something worth  
14      discussing offline.   I don't know that we  
15      need to do it all for this Work Group because  
16      it's really a general issue, but a good one  
17      for trying to make these Work Group meetings  
18      as understandable as possible for people  
19      listening.

20                     CHAIRMAN ANDERSON:   Now that we  
21      have a much larger number of Work Groups, I  
22      think to have some kind of systematic format

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1 would also help.

2 MR. KATZ: Yes.

3 DR. MAURO: Well, one of the  
4 things -- not to prolong this. But one of  
5 the things we often try to do, at one time we  
6 had to, for example, when we were in the  
7 midst of a number of really big ones, Nevada  
8 Test Site, Rocky, Fernald, at least one of  
9 the things we try to do to help the Board, is  
10 -- so much work has gone in over years. And  
11 to try to capture the essence of it for the  
12 Board now in a two- or three-pager, which  
13 says okay, listen, this is what transpired.

14 So that does, I can't tell you  
15 how much it helps me, when I'm the one who,  
16 for example, on Fernald on a couple of  
17 occasions I found myself trying to write all  
18 of this down, pull it all together and get it  
19 into my head. That kind of thing every so  
20 often is probably a really good idea to do  
21 that. Because they can easily get away from  
22 you and you lose sight of it. I'm thinking

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1 out loud now. I'm doing a little musing,  
2 Ted. But I think a little bit more of that  
3 goes into it, because the richness of this  
4 program is off the charts, in terms of some  
5 of these sites. And regrouping every so  
6 often for everyone's purposes. I can almost  
7 envision the Board Members listening in on a  
8 vote where something that has a history that  
9 goes back for five years. In any event, just  
10 another thought.

11 MR. KATZ: Okay. Back to where  
12 we are with this. Andy, I will be sending  
13 then to the full Board the White Papers and  
14 background so that they have more context for  
15 your presentation as well. So you don't need  
16 to worry about that. I will take care of  
17 that just as I have earlier this week for  
18 other sites that are going to be discussed at  
19 the Board meeting.

20 CHAIRMAN ANDERSON: I've seen  
21 those coming through.

22 MR. KATZ: They won't have your

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1 presentation. They will get your presentation  
2 when it's done, but they will have these  
3 background papers that will help them orient  
4 themselves and have a deeper understanding.

5 CHAIRMAN ANDERSON: Send them  
6 the matrix as well?

7 MR. KATZ: Yes. I will give  
8 them the matrix but I will give them the  
9 White Papers as well.

10 CHAIRMAN ANDERSON: White  
11 Papers, I think are probably the most --

12 MR. KATZ: I will give them the  
13 transcripts where we've discussed this.

14 CHAIRMAN ANDERSON: Okay.

15 MR. KATZ: So anyone who wants  
16 to delve deeper can delve deeper.

17 CHAIRMAN ANDERSON: Yes. Any  
18 other issues we have? Bill, do you have any  
19 parting thoughts?

20 MEMBER FIELD: No, Andy, I think  
21 everything is pretty much covered.

22 CHAIRMAN ANDERSON: Okay, with

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1 that I'll accept a motion to adjourn, if  
2 there's no other comment. Or do we have  
3 others on the phone that want to make a  
4 comment? Okay, hearing none, if someone was  
5 talking, we didn't hear you, so think about  
6 mute. So with that, I'll adjourn the Work  
7 Group meeting.

8 (Whereupon, the above-entitled  
9 matter was concluded at 10:13 a.m.)

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