## 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

MEETING FIFTY-SEVEN

ADVISORY BOARD ON

RADIATION AND WORKER HEALTH

### ABRWH BOARD MEETING

The verbatim transcript of the Meeting of the Advisory Board on Radiation and Worker Health held telephonically on Aug. 5, 2008.

STEVEN RAY GREEN AND ASSOCIATES NATIONALLY CERTIFIED COURT REPORTERS 404/733-6070

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#### TRANSCRIPT LEGEND

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-- "\*" denotes a spelling based on phonetics, without reference available.

-- (inaudible)/ (unintelligible) signifies speaker failure, usually failure to use a microphone.

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### IDENTIFIED PARTICIPANTS

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### PROCEEDINGS

(11:00 a.m.)

## WELCOME AND OPENING COMMENTS DR. PAUL ZIEMER, CHAIR DR. CHRISTINE BRANCHE, DFO

1	DR. BRANCHE: Okay, Dr. Ziemer, did you hear
2	Mr. Presley, that he must leave the call at
3	noon?
4	DR. ZIEMER: Yes, I I knew that. I got an
5	e-mail from Bob.
6	DR. BRANCHE: Okay. Good morning, this is the
7	Advisory Board on Radiation and Worker Health,
8	meeting number 57. We are doing this by
9	conference call. It is Tuesday, August 5th,
10	2008.
11	I am Dr. Christine Branche and I have the
12	pleasure of being the Designated Federal
13	Official for the Advisory Board. I'm going to
14	do a roll call for the Advisory Board's
15	members.
16	Dr. Ziemer?
17	DR. ZIEMER: Yes.
18	<b>DR. BRANCHE:</b> Ms. Beach?
19	MS. BEACH: Here.
20	DR. BRANCHE: Mr. Clawson?

1 (No response) 2 Mr. Gibson? 3 MR. GIBSON: Here. DR. BRANCHE: Mr. Griffon? 4 5 MR. GRIFFON: Yes, I'm here. 6 DR. BRANCHE: Great. Dr. Lockey, I believe 7 not. Dr. Melius, just in case? 8 (No response) 9 Okay. Ms. Munn? 10 MS. MUNN: Yes. 11 DR. BRANCHE: Mr. Presley? 12 MR. PRESLEY: Here. DR. BRANCHE: Dr. Poston? 13 14 (No response) 15 Dr. Roessler? 16 DR. ROESSLER: Here. 17 DR. BRANCHE: Mr. Schofield? 18 MR. SCHOFIELD: Here. 19 DR. BRANCHE: We do have quorum. Just to 20 begin, I'd like everyone to please, unless they 21 are speaking, to please mute their phones, and 22 you can do that by dialing star-6 if you do not 23 have a mute button. We do ask and we ask 24 strenuously that you mute your line unless 25 you're speaking. It allows all of us to hear

1 the speaker. And when you are ready to speak 2 you can either un-mute your phone with the mute 3 button or use that same star-6 to un-mute your 4 line. And we do really appreciate everyone's 5 cooperation with the -- the mute function. 6 Thank you so much for your participation. Dr. 7 Ziemer? 8 DR. ZIEMER: Okay. Let -- let us determine who 9 is with us from the agencies and others who may 10 wish to identify themselves for the record. We 11 determined -- who is here from NIOSH? 12 Jim Neton is on the line. DR. NETON: 13 DR. ZIEMER: Jim Neton, okay. Anyone else? 14 MR. SUNDIN: Dave Sundin. 15 DR. ZIEMER: Okay. 16 DR. BRANCHE: ORAU staff would be next. 17 (No response) 18 DR. ZIEMER: No one from ORAU? 19 (No response) 20 DR. BRANCHE: SC&A? 21 DR. MAURO: John Mauro here. Good morning. DR. ZIEMER: Good morning, John. Anyone else 22 23 from SC&A? 24 (No response) 25 DR. BRANCHE: Other federal agency staff?

1 MS. ADAMS: Nancy Adams. 2 DR. ZIEMER: Okay. 3 MS. HOWELL: This is Emily Howell. 4 MR. HILL: Steven Hill from Congressman 5 Shavitz' office. MS. HOMOKI-TITUS: Liz Homoki-Titus with HHS. 6 7 DR. BRANCHE: Petitioners or their 8 representatives, please? 9 (No response) 10 Workers or their representatives, please? Ιf 11 you could please state your names. 12 (No response) 13 Other members of Congress or their 14 representatives, please? We've heard from one. 15 MR. PICKETT: Matt Pickett with Congressman 16 John Shimkus' office. 17 DR. ZIEMER: Thank you. 18 Others who'd like to mention DR. BRANCHE: 19 their names? 20 THE COURT REPORTER: I'm sorry, could I get 21 that previous man's name, please? 22 MR. PICKETT: This is Matt Pickett. I work for 23 Congressman John Shimkus. 24 THE COURT REPORTER: All right. Thank you. 25 DR. BRANCHE: Are there any others who'd like

1 to mention their names for the record? 2 (No response) 3 DR. ZIEMER: Okay, I think that will take care I officially call the meeting to order. 4 of it. 5 This is Paul Ziemer speaking, Chairman of the 6 Advisory Board. 7 The agenda for our meeting has been posted on 8 our web site, as well as in the Federal 9 Register. Our agenda today actually is 10 somewhat brief compared to past agendas so that 11 hopefully we will not be all afternoon working 12 through the items that are before us. 13 Board members, are there any of you that did 14 not get a copy of the agenda? 15 MS. MUNN: Paul and Dr. Branche, this is Wanda. 16 I have a copy of the agenda. I'm concerned 17 about one item I -- especially given the 18 individuals I just heard on the call through 19 our roll call, the item on the tracking 20 database update. I had assumed that that was 21 going to be one of the individuals who is 22 almost daily involved with that. Is that going 23 to be Nancy? 24 DR. ZIEMER: Nancy's on the line, I believe. 25 MS. MUNN: Yes, I just -- I was just trying to

1 verify what you -- what we were anticipating in 2 the way of an update on that database because 3 it's fairly extensive and, as Nancy and some of 4 our SC&A people, as well as our NIOSH folks, 5 have done a significant amount of work on that 6 since our -- our most recent meeting, so I was 7 -- I was concerned about whether the proper 8 individual to report on that was available or 9 whether you were expecting me to give you a 10 third-hand report --11 DR. ZIEMER: Oh, so you're --12 MS. MUNN: -- which I think we --13 DR. ZIEMER: -- asking whether we're expecting 14 you to give the report versus -- Nancy Adams, 15 are you prepared to give that report? MS. ADAMS: Yes, and it will be short and 16 17 sweet. 18 DR. ZIEMER: Okay. 19 MS. MUNN: Good, thank you, Nancy. 20 Thank you very much. Let us DR. ZIEMER: 21 proceed then. We'll go through the agenda as 22 it's been distributed, and I think, Dr. 23 Branche, do you need to read the redaction 24 policy? Is that required? 25 DR. BRANCHE: Actually I thought about it, Dr.

1	Ziemer, and I don't think I need to
2	DR. ZIEMER: Okay.
3	DR. BRANCHE: but I'll go ahead and do so
4	just for the record so that we're all up to
5	speed.
6	If a person making a this is the redaction
7	policy.
8	If a person making a comment gives his or her
9	name, no attempt will be made to redact that
10	name. NIOSH will take reasonable steps to
11	ensure that individuals make public comment
12	making public comment are aware of the fact
13	that their comments, including their name, if
14	provided, will appear in a transcript of the
15	meeting posted on a public web site. Such
16	reasonable steps include reading the statement,
17	as I'm doing now, and having the having the
18	redaction policy posted along with the
19	meeting's agenda in the Federal Register
20	notice.
21	If an individual, in making a statement,
22	reveals personal information for example,
23	medical information about themselves, that
24	information will not usually be redacted. The
25	NIOSH Freedom of Information Act coordinator

1	will, however, review such revelations in
2	accordance with the Freedom of Information Act
3	and the Federal Advisory Committee Act and, if
4	deemed appropriate, will redact such
5	information.
6	All disclosures of information concerning third
7	parties will be redacted. And if for some
8	reason during the call you would like to bring
9	information to to our attention but you wish
10	not to do so in a public forum, then you can
11	contact me. My contact information is on the
12	web site and we can see about getting your
13	information to the Advisory Board.
14	Thank you, Dr. Ziemer.
15	DR. ZIEMER: Okay, thank you, Dr. Branche. And
16	to some extent it may be a moot point because
17	we don't have an official public comment period
18	at this meeting, but nonetheless, should the
19	occasion arise, it's good to have that on the -
20	- the record.
21	SUBCOMMITTEE ON DOSE RECONSTRUCTION UPDATE
22	Now let us proceed then with the agenda. The
23	first item is the Subcommittee on Dose
24	Reconstruction update and Mark is on the line.
25	Mark, are you prepared now to give your report?

1 MR. GRIFFON: Yeah, this -- this will also be a 2 -- a brief report, although I just saw your --3 your e-mail, too, Paul, so you might help me 4 with the update on that. 5 DR. ZIEMER: Yeah. 6 MR. GRIFFON: But the Subcommittee hasn't met I just sent an e-mail out recently and I 7 yet. 8 would like to have a meeting -- I'm still 9 hoping on the 20th. I know it's not the best 10 date, but we're running out of time. I would 11 like to get another meeting in before the 12 September Board meeting, so August 20th I think 13 is -- a lot of us are going to be there for --14 the next day for the procedures meeting, and I 15 think that might -- I might try to stick with 16 that -- that date, unless anybody strongly 17 objects. I think we might lose John Poston on 18 that day, and I don't know if he's -- if he 19 could dial in or what -- you know, if -- if 20 that would mean he couldn't participate, I 21 don't know. But anyway, otherwise there's 22 really no update since the last Board meeting. 23 We are -- the last subcommittee meeting we 24 worked on almost completing the sixth set of 25 cases and taking a first run through almost the

1 entire seventh set of cases. We didn't quite 2 finish the seventh set matrix, but we almost 3 got through it one time. And the sixth set, I 4 think we're fairly close to -- to resolving most issues on the sixth set of -- of cases. 5 6 So the next meeting I would -- I would plan on 7 doing the sixth set, the seventh set, and 8 possibly starting the eighth set. I need to talk to Stu Hinnefeld. We haven't had NIOSH's 9 10 first response to the eighth set of cases yet, 11 so depending on whether they're ready for that, 12 we can -- we might be able to start the eighth 13 set. 14 So a meeting in Cincinnati on the 20th is -- is 15 forthcoming. And that's really it. 16 DR. ZIEMER: Okay. 17 MR. GRIFFON: Paul, you sent me a letter, which 18 it looks like we need a few final edits, but 19 it's for the --20 DR. ZIEMER: Right --21 MR. GRIFFON: -- fourth and fifth set, right? 22 DR. ZIEMER: -- I think at our St. Louis 23 meeting Mark was able to obtain from NIOSH the 24 -- several of the pieces of information we 25 needed to insert into the report to the

1 Secretary in terms of the numbers -- total 2 numbers of cases that had been available to 3 review at the time that the -- the random 4 selections were made, and we have those figures 5 I've inserted those into a draft for Mark now. 6 to look at -- that is, I've taken his draft and 7 put it into the letter form to the Secretary. 8 And I think with those changes having been 9 made, and I think there's one table that it's 10 not clear is the right one, we're -- we should 11 be ready to send that out this week, Mark. 12 MR. GRIFFON: Right, right, and I think that 13 table -- I just got this 20 minutes ago or so, 14 but I think that table is a old version. We 15 need to replace it with the new -- the one for 16 the fourth and fifth set. 17 DR. ZIEMER: Right. 18 MR. GRIFFON: We'll -- we'll -- I'll help you 19 and we'll edit that. 20 DR. ZIEMER: Right. 21 MR. GRIFFON: The final edit --22 DR. ZIEMER: And we'll send everybody a copy of 23 that as soon as that's ready. 24 Any questions, Board members, on any of the 25 information has given and -- or on the upcoming

report? (No response) WORKGROUP UPDATES

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2

3

4 If not, we can move on to workgroup updates. 5 DR. BRANCHE: Okay, Blockson Chemical Special 6 Exposure Cohort SEC petition, Ms. Munn, chair. 7 MS. MUNN: As the Board members know, Blockson 8 met extensively during our meeting in St. Louis 9 in an attempt to try to bring a final recommendation to the Board. We did discuss 10 11 Blockson at the Board meeting because I believe 12 we've gone about as far as we can go with 13 respect to addressing the issues that have been 14 brought before us for this particular site. 15 That action was tabled until our upcoming meeting in California, at which time all of the 16 17 members of the Board -- one of whom was not 18 with us and who's a key member of the workgroup 19 -- will have had an opportunity to review what 20 transpired during the St. Louis meeting. It's 21 our expectation that the Blockson 22 recommendation will be taken off the table in 23 the California meeting and will be voted on at 24 that time. We have no plans for additional 25 meetings prior to that California meeting.

1 DR. ZIEMER: Thank you. 2 MR. GRIFFON: Wanda --3 MS. MUNN: Yes? MR. GRIFFON: -- I think also didn't SC&A 4 5 commit to formalizing their report on the model 6 that they -- they looked at for -- regarding 7 the radon exposures? Or was I mistaken on 8 I thought we asked NI-- asked SC&A to that? 9 write that up formally and submit it as a 10 deliverable rather than have the initial draft 11 that they had circulated at the last meeting. 12 MS. MUNN: I didn't have that included in my 13 notes, but --14 MR. GRIFFON: Oh. MS. MUNN: -- that doesn't mean -- I'd be 15 16 working from memory solely if I said yes or no, 17 and I hesitate to do that. 18 MR. GRIFFON: Maybe John would remember, I 19 don't --20 DR. MAURO: Yes -- hi, Mark, this is John 21 Mauro. Yes, we did complete the formalized 22 report related to the radon issue that was 23 discussed rather extensively during the 24 workgroup meeting and we now -- whether it's in 25 your hands or in PA review, but it's completed.

1 I'm not sure whether it's been through PA 2 review and is already in your hands --3 MR. GRIFFON: No, we haven't received it yet, 4 so once again --5 DR. MAURO: Then -- then it's -- then it's 6 imminent. I quess that's the best way to say 7 it. It's not a large report, and the fact that 8 you do not physically have it means that it's 9 right now going through the PA process, so then 10 \_ \_ 11 MS. HOMOKI-TITUS: John, I'm sorry, this is Liz 12 Homoki. There's no reason that the Advisory Board members should not have that report just 13 14 because it's going through Privacy Act. 15 DR. MAURO: Okay, that's fine. We could 16 forward it -- the (unintelligible) now we have 17 I guess we were expecting that we'd right now. 18 have it PA reviewed so that then the working 19 group and the Board of course could distribute 20 it in an unrestricted manner. I believe it --21 I bel-- 'cause I know I worked with Nancy and 22 she had indicated -- you know, I quess I was 23 under the impression it was undergoing PA 24 review. 25 MS. MUNN: We will assume then, John, that the

1 workgroup members will have copies of that 2 sometime in the next few days. 3 DR. MAURO: Yeah, I -- tell you what, if for 4 any reason -- we -- we could certainly deliver 5 it directly to you right now because it is 6 completed. It's -- but then of course it -- it 7 wouldn't be PA cleared. But eventu -- but it 8 should be PA cleared pretty quickly. Like I 9 said, it's a pretty brief report. 10 DR. ZIEMER: Well, the workgroup members can 11 have that even if it's not cleared --12 DR. MAURO: Yes, and they -- they --13 DR. ZIEMER: -- but they -- they need to make 14 sure that they don't distribute it outside the 15 workgroup, or outside the Board, let's say, 16 prior to the clearance. 17 John, if you would -- if you would MS. MUNN: 18 go ahead and forward that to me, I'll take a 19 look at it and try to get it into the hands of 20 all the workgroup members yet today. 21 DR. MAURO: I will take care of that. 22 MS. MUNN: Thank you so much. And thank you, 23 Mark, for calling that to my attention. 24 DR. ZIEMER: Okay, thank you. Let's proceed. 25 DR. BRANCHE: The next one is Chapman Valve

1 Special Exposure Cohort SEC petition with Dr. 2 Poston as the chair. I -- Dr. Ziemer, I don't 3 know who you wish to give the update, but I can tell you that Dr. -- this was discussed at the 4 5 Advisory Board and Dr. Ziemer and I will be 6 collecting Dr. Melius's vote over the next week 7 -- excuse me, there's someone --8 MR. GRIFFON: I hear multiple voices on the --9 DR. BRANCHE: There's someone on the line, if 10 you --11 I'm having a hard time concentrating MS. MUNN: 12 on what you're saying. There's someone else 13 speaking, giving someone instructions about 14 something behind the barn. 15 DR. BRANCHE: If everyone who is not speaking 16 could please mute their phones, we would very 17 much appreciate it, we very much depend upon 18 it. If you do not have a mute button, then 19 please use star-6. 20 As I was saying, Chapman Valve Special Exposure 21 Cohort SEC petition on -- Dr. Poston is the 22 I don't know, Dr. Ziemer, who you would chair. 23 like to give the update. Messrs. Griffon, 24 Clawson, Dr. Roessler and Mr. Gibson are all on 25 that board --

1	DR. ZIEMER: Well, let me simply report, we
2	voted on Chapman Valve but the vote is not
3	complete because it is awaiting Dr. Melius's
4	vote at
5	DR. BRANCHE: And Dr. Ziemer, you and I will be
6	in a position to collect Dr
7	DR. ZIEMER: Right.
8	DR. BRANCHE: Melius's vote over the next
9	couple of weeks
10	DR. ZIEMER: Right.
11	DR. BRANCHE: and certainly before we get to
12	
13	DR. ZIEMER: He is Dr. Melius is awaiting
14	the copy of the transcript so that he can have
15	the benefit of the full input on the debate,
16	and he has been informed of what the the
17	vote is at the moment. And then once we have
18	his vote, we can determine how to proceed from
19	that point.
20	At the moment, the well, let's just leave it
21	at that. So the Chapman Valve vote awaits
22	closure upon the voting of Dr. Melius.
23	DR. BRANCHE: Shall I proceed with the next
24	one?
25	DR. ZIEMER: Yes, uh-huh.

1 DR. BRANCHE: Fernald site profile with Special 2 Exposure Cohort SEC petition, Mr. Clawson, 3 chair. Mr. Clawson, have you joined us? 4 (No response) 5 DR. ZIEMER: Apparently not. 6 DR. BRANCHE: Mr. Griffon, Dr. Ziemer, Mr. 7 Presley and Mr. Schofield are all on that 8 workgroup. 9 MR. GRIFFON: I mean you can go ahead, Paul. Ι 10 think -- I think Brad was trying to set up a 11 meeting fairly soon. 12 DR. ZIEMER: There has not been any meeting since our last report, so I would say other 13 14 than preparation of various documents there's -15 - there's no action or other items to report on 16 Fernald at the moment. 17 **DR. BRANCHE:** Okay. And --18 This is Phil. MR. SCHOFIELD: Brad wants a 19 time to set up a possible meeting in September, 20 if he can, and he's -- I just forgot to mention 21 that he's at a class in Phoenix right now so he 22 probably will not be able to join us at all 23 today. 24 DR. BRANCHE: Thank you for that information. 25 Hanford site profile with Special Exposure

1	Cohort SEC petition, Dr. Melius is the chair.
2	Other members include Mr. Clawson, Mr. Poston -
3	- sorry, Dr. Poston, Mr. Schofield and Dr.
4	Ziemer.
5	DR. ZIEMER: I'm I don't believe that that
6	group has met since our last meeting, and I
7	don't believe there's anything additional to
8	report at the moment.
9	DR. BRANCHE: Okay, Los Alamos Na
10	DR. ZIEMER: Other other committee members,
11	any comments or workgroup members?
12	MR. SCHOFIELD: Not at this time.
13	DR. ZIEMER: Okay, thank you.
14	DR. BRANCHE: Los Alamos National Laboratory
15	site profile and Special Exposure Cohort, Mr.
16	Griffon, chair.
17	MR. GRIFFON: Yeah, no major update at this
18	point. We're still waiting NIOSH's evaluation
19	report and the last I talked to them they said
20	probably in the fall. So we're hoping to
21	convene a workgroup meeting after we get that
22	report in our hands, sometime in the fall of
23	this year.
24	DR. BRANCHE: Dr. Ziemer, I don't know if you
25	want to do this for the last time because this

1 last workgroup closed at our meeting, but Linde 2 Ceramics site profile. Dr. Roessler is the 3 chair -- was the chair. 4 DR. ZIEMER: Right, I believe Linde has 5 completed their work. Dr. Roessler, do you 6 have any comments? 7 DR. ROESSLER: No, I have none. 8 DR. ZIEMER: Okay. 9 DR. BRANCHE: Mound Special Exposure Cohort SEC 10 petition, Ms. Beach, chair. 11 MS. BEACH: Yes, the Mound workgroup met for a 12 second time in July. We were able to close on 13 one -- one item on our matrix. The workgroup 14 has plans to meet again in mid-October, but we 15 have not scheduled a meeting at this time. 16 DR. BRANCHE: Nevada Test Site profile and 17 Special Exposure Cohort SEC petition, Mr. 18 Presley, chair. 19 MR. PRESLEY: We did meet the last time in St. 20 Louis. As everybody's aware, SC&A brought up 21 two issues that continued our work. At this 22 time I'm waiting for NIOSH and SC&A to get 23 together to iron out these two issues so that, 24 hopefully, we can come to the meeting in August 25 or September with some kind of a decision.

1 Right now there is not a meeting scheduled. 2 DR. ZIEMER: Thank you. 3 DR. BRANCHE: Pinel-- I'm sorry, Dr. Ziemer? 4 DR. ZIEMER: I just said thank you. 5 DR. BRANCHE: Pinellas Special Exposure Cohort 6 SEC petition, Mr. Schofield, chair. 7 MR. SCHOFIELD: Yes, we still have some 8 outstanding issues. One of the -- most of them 9 related to the (unintelligible) tides and not 10 only do we have a problem with the -- they're 11 trying to develop protocol for possible internal exposures, but we also have some 12 13 security concerns that Bob Presley and Brad and 14 (break in transmission) went to a classified 15 meeting on, so hopefully we can get guidance 16 from those to exactly what we can or cannot 17 discuss. 18 DR. ZIEMER: So you're really awaiting 19 resolution of that issue before you -- you can 20 really proceed with the detailed actions of the 21 workgroup, it appears. Right? 22 (No response) 23 Is that correct? 24 MR. SCHOFIELD: That would be a correct 25 assessment.

1	DR. ZIEMER: Okay, thank you.
2	DR. BRANCHE: Procedures review, Ms. Munn,
3	chair.
4	MS. MUNN: The procedures review met separately
5	earlier, in July, with an attempt to try to
6	cover as much as possible of our first set of
7	issues that were still outstanding from the
8	first group of procedures that we had
9	completed.
10	During that same period of time the first of
11	our reports to the Secretary relating the
12	status of this workgroup was completed and
13	transmittal was made, which was, we feel, a
14	major milestone. We had not been able to
15	finalize the some of the language in that
16	until just this month, so we're very pleased
17	that that's gone and out of the way.
18	During our meeting in July we went through all
19	of the outstanding issues from set one,
20	eliminated a great many of them, consolidated a
21	great deal more, and we think are ready to
22	handle those in a more expedient manner.
23	Everyone's concerned that they are still
24	outstanding and that we've worked on them so
25	long.

1 We have a meeting scheduled in Cincinnati on 2 the 21st of August, which will be an all-day 3 meeting. At that time we'll review what we did 4 with -- whether anything has progressed on the outstanding set number one, and we intend to 5 6 begin our address of the set two group of 7 procedures during that all-day meeting, come to 8 some conclusion about the status we expect for 9 the third set -- whether that database is going 10 to be populated by that period of time or not, 11 but by the September meeting. We think there 12 may be too many time constraints to move 13 forward very quickly with the third set, but 14 we're going to attempt to do that, in any case. 15 The workgroup will also meet in Redondo Beach 16 following the full Board meeting in September. 17 The procedures group will remain on Thursday 18 afternoon and will try to establish a fairly 19 firm schedule for how we're going to proceed 20 from that juncture. 21 DR. ZIEMER: Okay. 22 DR. BRANCHE: Rocky Flats site profile and 23 Special Exposure Cohort SEC petition, Mr. 24 Griffon, chair. 25 MR. GRIFFON: Yeah, the one remaining item I

1	need to I I did say I would talk to the
2	Department of Labor about the a little more
3	follow-up on the implementation of the class
4	and and give a closeout report on that issue
5	that we've had a few workgroup calls on. I
6	I just tried to make contact with Jeff today,
7	I'm and hopefully try to set up a call with
8	Jeff Kotsch later this week and resolve that.
9	I'll try to report out on that at the full
10	Board meeting. And that's it.
11	DR. BRANCHE: Santa Susana Field Laboratory and
12	Special Exposure Cohort SEC petition, Mr.
13	Gibson, chair.
14	MR. GIBSON: Dr. Branche, the workgroup is
15	still awaiting the Santa Susana site profile
16	review from SC&A. I think it I think it was
17	cleared by DOE and now it's going through their
18	privacy reduction or whatever. Hopefully we'll
19	have that soon and we're still looking to have
20	a meeting, hopefully late August, before the
21	full Board meeting. If not, it'll probably be
22	later in September before we meet.
23	DR. ZIEMER: This is Ziemer. Let me ask again,
24	did you say you're awaiting the clearance of
25	
20	that? Is this one of those issues again where

1 the workgroup could actually have the report? 2 MS. HOWELL: Dr. Ziemer, this is Emily Howell. 3 We do have that for Privacy Act review, but as 4 Liz stated earlier, the practice had always 5 been in the past that the non-Privacy Act-6 reviewed materials that SC&A produced can go to 7 the proper workgroups at that time. So if John 8 Mauro was on the phone, I'm not sure that 9 there's any reason why that has not been sent 10 to the appropriate workgroup. 11 Severe transmission interference (NOTE: 12 occurred throughout Dr. Mauro's comments in the 13 following exchange.) 14 DR. MAURO: Yes, this is John. You're correct, 15 we -- we did not send it directly as a major 16 deliverable. But quite frankly, this is a --17 we are trying to minimize the number of 18 products that is -- that's -- for example, we 19 could send you the non-PA-reviewed document and 20 then of course shortly thereafter you would all 21 receive the PA-reviewed document. If it's your 22 preference that we transmit the non-PA-reviewed 23 document for any -- you know, for pressure of 24 time -- time, we would glad -- be glad to do 25 that, your choice. If you'd like, we could

1 have that non-PA-reviewed document sent out to 2 the full Board at this time, if so desired. 3 DR. ZIEMER: This is Ziemer. John, are most of 4 the Board members receiving these 5 electronically anyway --DR. MAURO: Yeah, what we --6 7 DR. ZIEMER: -- as opposed to having you run off multiple copies on paper? 8 9 DR. MAURO: Yes, we do send it out 10 electronically and leave it up to each 11 individual. If they wish to have a hard copy, 12 we will then forward a hard copy. We don't 13 automatically send a hard copy. It's just too 14 much paper. 15 DR. ZIEMER: Yeah, right. Well, it just 16 occurred to me if it -- if it can mainly be 17 done electronically, that's fairly easy I think 18 for distribution, is it not? 19 DR. MAURO: Yes, it is, and we'll -- and we will then proceed with that process on all our 20 21 products, if that's your preference. Once we have our document ready for PA review, we will 22 23 simultaneously send it out to either the 24 workgroup or the full Board, as appropriate, 25 and simultaneously to CDC for PA review. We

1 have not been using that as a -- our standard -2 - our standard mode of operation. We -- we 3 have been going through PA first, unless there 4 is a specific request to get a document in the 5 Board's hands as soon as possible. But what we'll do from now on is send out the non-PA-6 reviewed document as -- as a matter of 7 8 (unintelligible). 9 DR. ZIEMER: Well, that may be a judgment 10 thing. I think I'd be concerned if workgroups 11 are waiting, you know, a month or two for -- I 12 don't know how extensive this particular 13 document is, but how long has it been out in 14 review and the workgroup sort of seems to be 15 awaiting it? You may not have that (electronic 16 interference) --17 DR. MAURO: I -- I don't --18 DR. ZIEMER: That's more rhetorical, I guess. 19 DR. MAURO: Yeah, I mean I could help out if --20 DR. ZIEMER: You get the point --21 DR. MELIUS: I know it went out --22 DR. ZIEMER: -- if it's a couple of days for 23 the review, that's one thing. If we're talking 24 about a month, then the workgroups probably 25 need to go ahead and be able to move.

1 DR. MAURO: My experience is the turnaround 2 time is very quick, within a week, we do get --3 we put out our -- our document to Emily and 4 Liz, and within a few days we get it back. 5 That's been pretty consistent. So for that reason, we -- we have been going to the two-6 step process, just to avoid any confusion in 7 8 having these multiple drafts floating around. 9 Yeah, well -- well, as long as DR. ZIEMER: 10 it's not holding things up or if there's -- you 11 know, if -- if the workgroup knew that it was 12 going to be out within X number of days, then 13 they can go ahead and -- and schedule their 14 meeting accordingly. I don't know how others 15 feel, do -- do you want to get the -- I mean --16 MS. HOMOKI-TITUS: Hello, Dr. --17 DR. ZIEMER: -- in this case Mike probably, if 18 you knew you were going to get the report in 19 say three days, then your workgroup could go 20 ahead and figure out when they should meet, I 21 suppose. 22 MS. HOMOKI-TITUS: Dr. Ziemer, this is Liz 23 Homoki-Titus. As we've done in the past, Nancy 24 with SC&A can always let us know if a document 25 is urgent and needs to be turned around

1 immediately so that the work--2 DR. ZIEMER: Sure. 3 **MS. HOMOKI-TITUS:** -- (electronic interference) 4 or whatever and we, you know, try to 5 accommodate the best that we can those type of 6 requests. Otherwise, you know, we've committed 7 to try to turn around documents within a week 8 of receiving them. 9 DR. ZIEMER: Uh-huh. That seems reasonable. 10 Are we okay then? 11 MS. MUNN: Well, are we --12 DR. MAURO: This is John. My question, Paul, is should we go ahead and forward the non-PA 13 14 version of Santa Susana or just sit tight a little bit? 15 16 DR. ZIEMER: Well --17 MR. GIBSON: Yes -- yes, please send it. 18 DR. MAURO: You've got it. 19 DR. ZIEMER: Send it to the workgroup. 20 DR. MAURO: Okay. 21 DR. ZIEMER: Okay? Let's proceed. 22 DR. BRANCHE: Savannah River Site profile, Mr. 23 Griffon, chair. 24 MR. GRIFFON: Yeah, there's no update on that, 25 I -- I was actually planning a meeting in the

1 fall of this year, but I think I -- I'm -- I 2 was just looking for an e-mail I received that 3 said that the evaluation report for the SEC 4 might be delayed on that. 5 DR. ZIEMER: It will be delayed, I --6 MR. GRIFFON: Yeah. 7 DR. ZIEMER: -- I got a letter from Larry 8 Elliott and I distributed copies to the --9 MR. GRIFFON: Right. 10 **DR. ZIEMER:** -- Board members, I think a week 11 or so ago, where Larry delineated the -- the items that were causing delay. I -- I don't --12 13 MR. GRIFFON: Right, right. 14 DR. ZIEMER: -- think they were -- it's not 15 that the site is not -- is being uncooperative, 16 but I think it's more a matter of the extent of 17 the -- of the kinds of information that are 18 being sought, and Larry spelled out, you know, 19 when requests remained and when things were --20 were received and what they're awaiting and so And the net result -- and I don't know if 21 on. 22 Dave Sundin or -- or Jim Neton can speak to 23 this, but I think that the net result is there 24 will be a delay in the evaluation report. 25 MR. ELLIOTT: This is Larry Elliott, I --

1 DR. ZIEMER: Oh, Larry's on the line, okay. 2 MR. ELLIOTT: And you're -- you're absolutely 3 correct, Dr. Ziemer. We've had good 4 cooperation, but the scope of the review that 5 we have underway is so huge that it's taking a 6 considerable amount of time for all of this 7 information to be identified, gathered and 8 assembled for review. 9 MR. GRIFFON: And -- and I -- I was just going 10 to offer to talk with -- Sam Glover's been our 11 contact on that and -- and try to schedule the 12 meeting when we would be most productive, so I 13 -- I -- you know, I would coordinate with Sam 14 on that. And it may be that we won't be doing anything this fall, but I want to touch base 15 16 with Sam and see when it makes most sense to 17 have that meeting. And that -- that's the only 18 update. 19 **DR. ZIEMER:** Okay. Thank you. 20 Special Exposure Cohort SEC DR. BRANCHE: 21 issues group, including 250-day issue and 22 preliminary review of 83.14 SEC petitions, Dr. 23 Melius, chair. 24 DR. ZIEMER: We -- we may be able to pick up a 25 report on that one when Dr. Melius comes on the

1 line shortly after noon. I -- I can tell you -2 - in fact, I'll just read it for you here, just 3 a moment -- pick it up. No, maybe I -- oh, 4 here it is. 5 Dr. Melius said this: (Reading) The SEC 6 evaluation workgroup is supposed to review Dow. 7 SC&A's report should be done and ready for 8 review within the next few weeks. Once this occurs I will schedule a workgroup meeting to 9 10 discuss the report. (Electronic interference) 11 travel issues and uncertainty, we may 12 eventually have a conference call to identify 13 issues, plan our review and so forth, and then 14 determine next steps. This should take place 15 sometime in September. 16 So I think what he's saying is the focus of 17 that SEC evaluation workgroup will be on the 18 Dow Madison issues. And if he comes on the 19 line, he may wish to add to that. 20 DR. BRANCHE: Before I go on, Dr. Ziemer, it 21 was a little difficult to hear what you were 22 saying. I wonder if everyone could please 23 check to make certain that your lines are 24 muted, because there is some background noise. 25 If you do not have a mute button, then please

use star-6.

1	
2	<b>DR. ZIEMER:</b> Yeah, should should I repeat
3	that or Ray, did you get that okay?
4	THE COURT REPORTER: I wish you would please
5	repeat it.
6	DR. ZIEMER: I'll read it
7	THE COURT REPORTER: Thank you.
8	DR. ZIEMER: here here it is. I'm
9	reading from an e-mail from Dr. Melius which he
10	sent yesterday. He said (Reading) The SEC
11	evaluation workgroup is supposed to review Dow.
12	SC&A's report should be done and ready for
13	public review in the next few weeks. Once that
14	occurs, I will schedule a workgroup meeting to
15	discuss the report. Given the year-end travel
16	issues and uncertainty about the report timing,
17	I think that we will initially have a
18	conference call to identify issues, plan our
19	review and so on, and then see about next
20	steps. This should take place sometime in
21	September.
22	And that is his report on that.
23	MR. STEPHAN: Dr Dr. Ziemer?
24	DR. ZIEMER: Yes?
25	MR. STEPHAN: This is Robert with Senator

1 Obama's office. Who was -- who was that from? 2 DR. ZIEMER: That was from Dr. Melius. 3 MR. STEPHAN: Okay. 4 DR. ZIEMER: He's the chair of that group. 5 MR. STEPHAN: Thank you. 6 Right. Okay? DR. ZIEMER: Okay. Use of surrogate data, Dr. 7 DR. BRANCHE: 8 Melius is the chair of that group as well. 9 DR. ZIEMER: I think again we'll have to await 10 his coming on the line, unless one of the other 11 members of the surrogate group is aboard or can 12 report. 13 MS. MUNN: The group has --14 DR. ZIEMER: Beach, Griffon, Lockey, Munn. 15 MS. MUNN: Yes, we've not had -- we -- we've 16 had one brief phone meeting, but there are 17 several items that are being worked, I believe, 18 between NIOSH and SC&A with respect to one or 19 two of the concerns that the workgroup has. То 20 the best of my knowledge, there is not a 21 current schedule for the next meeting of the 22 surrogate data, and I'm not certain exactly 23 what is being held aside for that meeting. I 24 believe Dr. Melius has a specific --25 DR. ZIEMER: Well, one of the assignments for

1 this particular group was the Texas City 2 Chemicals issues --3 MS. MUNN: Yes. DR. ZIEMER: -- and the use of the surrogate 4 5 data model there. And I believe that SC&A has completed or -- or -- John, you'll have to give 6 7 me a quick update here, but I --8 DR. MAURO: Yes. 9 DR. ZIEMER: -- I think has completed a --10 their report on -- on that use of surrogate 11 data in the Texas City case. In fact there 12 were some -- I -- I think Dr. McKeel had raised 13 some concerns about, process-wise, whether --14 whether or not the Board would first approve 15 the surrogate data model before it was applied 16 to Texas City Chemical or whether we would use 17 the application as a sort of template to see 18 how it worked. But aside from that, I think 19 that's -- that's the current involvement. And 20 John Mauro, can you also add to that? 21 DR. MAURO: Yes, Dr. Ziemer, you're correct. The Texas City report has been delivered as a 22 23 PC-cleared document, and it includes a separate 24 chapter, stand-alone, which addresses 25 specifically the criteria -- the draft criteria

1 that was developed by the working group on 2 surrogate data to explore -- well, first of 3 all, to assess Texas City strat -- approach --4 site profile review and evaluation report 5 against those four criteria, but -- and so 6 actually we have sort of a scorecard, the 7 degree to which the Texas City exposure matrix, 8 so to speak, meets or satisfies the four 9 criteria. But independent of that, we also 10 used that exercise as a way to evaluate areas 11 in the -- amongst the cri-- draft criteria that 12 might require improvement. Other words, other 13 perhaps criteria that might be added that could 14 help better serve the process. 15 So yes, there is quite a bit of information in 16 the Texas City review that we submitted 17 relatively recently that might be helpful to 18 the surrogate workgroup. 19 MS. MUNN: And John, this is Wanda, was I not 20 correct that there was to be some -- some 21 technical informat -- some technical interaction 22 with NIOSH staff before we schedule the next 23 surrogate data working group meeting? That was 24 my memory. 25 DR. MAURO: You know, I have to apologize, I

1	don't recall if there you know, such an
2	interaction
3	MS. MUNN: I thought there was going to be a
4	response to your comments
5	DR. MAURO: Oh, oh
6	MS. MUNN: in that report.
7	DR. MAURO: oh, okay. Yeah, they're there -
8	- by the way, we also have a simpler document
9	that addresses surrogate data in in
10	Blockson. So really we we in effect
11	and I put out a a special report. So in
12	effect we have two reviews, both are AWE
13	facilities
14	MS. MUNN: Uh-huh.
15	DR. MAURO: Blockson and Texas City, both of
16	which have special reports associated with them
17	related to the surrogate data issue. And we
18	have, you know, submitted those documents, but
19	we have not yet had any interaction or feedback
20	from the workgroup or the workgroups or
21	NIOSH regarding those matters.
22	<b>DR. ZIEMER:</b> Well, as a as a first step
23	here, and since the chairman is not aboard
24	again, I don't want to exercise his
25	prerogative, but let me ask this question. Do

1 all the members of the workgroup have the SC&A 2 report at this point? 3 MS. BEACH: Yes, I do. 4 DR. ZIEMER: Okay. So as a first step in -- in 5 preparation, obviously you're going to have to 6 have a meeting soon and the -- the chair will 7 take care of setting that up. That is the 8 chair of the workgroup, Dr. Melius. And in the 9 meantime, you have your homework assignment 10 before you, which is to make sure you review 11 the SC&A report and the application of the 12 surrogate data criteria to the Texas City site 13 in particular, as well as the other -- as the 14 other one. And I --15 DR. MCKEEL: Dr. Ziemer, this is Dan McKeel. 16 DR. ZIEMER: Hello, Dan. 17 DR. MCKEEL: Hi. Could I make just a very 18 brief comment? 19 DR. ZIEMER: You certainly can. 20 DR. MCKEEL: You summarized my concern very 21 well, but I would just like to comment that I 22 wish someone on the Board would look back at 23 the transcript of -- I -- you know, it wa-- I 24 guess it was the last Board meeting to talk 25 about this issue. And as I remember it, the

1 charge was that the -- the comment from the 2 Board was that the Board needed to first 3 approve those four draft criteria for the 4 surrogate data use and then, having approved 5 those, then they could be applied to -- to 6 sites. And while I'm in 100 percent agreement 7 that Texas City would be a great place to apply 8 those criteria, what I was concerned about was 9 that it was done in a different manner than the 10 Board had suggested was the proper way to 11 proceed, because not -- I mean SC&A's 12 publication of those criteria was the first 13 time I'd ever seen them. Which is okay, but 14 you know, they have not been approved by the 15 Board, and what I'm concerned about is this was 16 our chance to have SC&A review Texas City's 17 evaluation report by NIOSH and they were doing 18 so with just draft criteria. So although I 19 welcome their report, that concern still 20 I don't know how to resolve it lingers on. 21 further, but --22 DR. ZIEMER: Right, and I appreciate that 23 comment, and actually I'll just mention to the 24 Board members that Dan did e-mail me earlier --25 I quess it was a week or so ago -- asking about

1	that. And and he's quite correct in terms
2	of what appears to be what we said at the Board
3	meeting, the general idea that we would approve
4	some criterion and that they would be applied.
5	As a practical matter in the way that we
6	operate with the SC&A materials, we're often in
7	a position of having working with comments
8	which do not necessarily represent Board
9	positions or or whatever, and this has sort
10	of always been the case. It it's not always
11	clear what the most practical way to proceed
12	is. I think ideally, approving the criteria in
13	advance, as as Dr. McKeel had suggested,
14	certainly is is the way one would want to
15	go. I I think as a practical matter, as
16	it's working out, what what may be helpful
17	is as as opposed to approving criteria in a
18	vacuum is having some actual cases to see how
19	well criteria work. So it it may not be a
20	bad thing to to have some actual situations
21	such as the Texas City Chemical. But certainly
22	at some point the Board has to approve the
23	criteria, and if those are the wrong ones, then
24	then we've gotten ahead of ourselves and
25	you know, but I I think your point is well

1	made, Dr. McKeel. And it's not always clear
2	whether or not we're always smart enough to
3	figure out what criteria should be when done in
4	the absence of real world situations, so I
5	I'm hopeful we'll find a suitable bottom line
6	on this, even though it we may be a little
7	ahead of the headlights in this particular
8	case. But we'll ask the surrogate data
9	workgroup and the the folks who they're
10	aware of this situation, aware that they're
11	working with some criteria in that report that
12	the Board has not actually approved, so you
13	need to have that in the back of your mind as
14	you review it. Simply don't blindly apply the
15	criteria to Texas City Chemical and see whether
16	whether it matches. You've got to say well,
17	are they the right criteria to start with. So
18	that word of caution since this has already
19	occurred, well, we're going to have to take it
20	as it is, I think.
21	Any other comments on that? Dr. McKeel, you
22	can certainly reply to that if you wish.
23	<b>DR. MCKEEL:</b> Well, I I appreciate your
24	sentiments and think that's the correct way to
25	analyze it. I just want to make sure that the

1 Board members and workgroup members were aware 2 of that kind of history --3 DR. ZIEMER: Yeah. 4 DR. MCKEEL: -- of what's going on. 5 DR. ZIEMER: Yeah. DR. MCKEEL: That's great. 6 7 DR. ZIEMER: Yeah, thank you. Okay, I think we 8 can proceed here. 9 DR. BRANCHE: The last group on the list is 10 worker outreach, Mr. Gibson, chair. 11 MR. GIBSON: Yeah, Dr. Branche, NIOSH is still 12 making progress on their revised database and 13 their updated procedure, and we're awaiting 14 that to review. And there are a couple more 15 outreach meetings scheduled. I believe one of 16 them's been set for later in September with 17 some of the workers at Brookhaven, and I think 18 there's one being planned for some of the folks 19 out at -- the workers out at Los Alamos. 20 That's about it on that. 21 MS. MUNN: And the workgroup meeting at Hanford 22 was well-attended. Josie was very active 23 there. So was Brad, and I was an observer. 24 There were three meetings held, and all three 25 had significant attendance and a great deal of

1 interaction. I think they were successful 2 meetings, don't you think, Josie? 3 MS. BEACH: Yes, I'd have to agree with you on 4 that, Wanda. This is Larry Elliott, Wanda, if 5 MR. ELLIOTT: 6 I may -- those were DOL-sponsored meetings --7 MS. MUNN: Yes, I know they were. 8 MR. ELLIOTT: -- to explain how they were going to adjudicate the classes that have been added. 9 10 MS. MUNN: Yes, they were indeed. 11 MR. ELLIOTT: Not part of the regular worker 12 outreach schedule that -- that Mike was 13 speaking of. 14 MS. MUNN: That we do. 15 MR. ELLIOTT: Right. 16 MS. MUNN: Yes, that's true. 17 DR. ZIEMER: Okay, there is actually one other 18 workgroup, and that is the 6000 and 6001 19 workgroup that was established at our last 20 meeting. 21 MS. MUNN: Yes, my apologies for not having 22 mentioned that during the procedures group. 23 DR. ZIEMER: Well, that's all right --24 DR. BRANCHE: My apologies for not having 25 mentioned it as a member of the list.

MS. MUNN: Right.

2	DR. ZIEMER: That workgroup is Josie Beach and
3	Mark Griffon, John Poston, Wanda Munn, and I'm
4	serving as chair of that. We are actually in
5	the process of trying to set up a meeting and
6	in the process of getting the dates and
7	incidentally, for the members of that
8	particular group who've sent me theirs, and we
9	were looking at August 26, 27, September 9th
10	and 18th the only common date where all of
11	us are free is August 27th.
12	Now, there's one other complication. We do not
13	yet have an official OCAS representative and an
14	official SC&A representative for that
15	workgroup. So before we go any further we need
16	to do that. This is this is this is TBD-
17	6000, 6001 and the appendices, and with
18	particular focus right now on Appendix BB. So
19	let me ask Larry, can you identify who would be
20	the appropriate NIOSH contact for that
21	workgroup?
22	MR. ELLIOTT: Dave Allen will be your OCAS
23	contact.
24	DR. ZIEMER: Dave Allen, okay. And how about
25	for SC&A?

1	DR. MAURO: It would be me, John Mauro
2	DR. ZIEMER: Okay.
3	DR. MAURO: even though there were multiple
4	people who worked on it, but I I guess it's
5	best for me to be the point man on those three
6	areas, TBD-1 6000, 6001 and Appendix BB. So
7	yes, I'll serve as the point man on that.
8	DR. ZIEMER: Well, let me ask very quickly,
9	John and if we if we can't resolve this
10	right here, we'll do it off-line, but are you
11	available April (sic) 27th?
12	DR. MAURO: Yes.
13	DR. BRANCHE: Dr. Ziemer, you mean August 27th.
14	DR. ZIEMER: August, yeah, we we're not going
15	to put it off till April, August 27. And is
16	John or Dave Allen, do we know if he's
17	available?
18	MR. ELLIOTT: He's not on the line. We'd have
19	to check.
20	DR. ZIEMER: Okay. I'll check with him
21	separate and then in any event, the report
22	is right now that the the workgroup is
23	trying to set up its initial meeting and we
24	will go from there. Okay?
25	MS. BEACH: Paul, this is Josie.

1	DR. ZIEMER: Yes, Josie?
2	MS. BEACH: If it's possible, I am leaving town
3	on the 8th and I'll be gone for two weeks out
4	of the country, so if we could if you have
5	that information by Thursday so I can
6	DR. ZIEMER: Well, I'll try to
7	MS. BEACH: send the information to Zaida
8	DR. ZIEMER: Yeah, I'll I'll try to
9	MS. BEACH: that'd be great.
10	DR. ZIEMER: do that as quickly as I can.
11	MS. BEACH: Thank you.
12	DR. ZIEMER: Uh-huh. Okay, very good. Any
13	other comments on the workgroup updates?
14	MR. GRIFFON: Yeah, Paul
15	DR. ZIEMER: Yes.
16	MR. GRIFFON: one more workgroup I think
17	it got taken off the list, but the Y-12
18	workgroup, there's still some outstanding site
19	profile review issues, and actually just
20	recently I sent to LaVon and to Jim Neton I
21	might have only sent it to LaVon
22	DR. BRANCHE: There is no Y-12 workgroup.
23	MR. GRIFFON: But then it has to be re you
24	know, put back on the list, I guess, 'cause
25	there used to be a Y-12 workgroup.

1 DR. BRANCHE: It's been quite some time. 2 MR. GRIFFON: Yeah. 3 DR. BRANCHE: I mean in my tenure there's not 4 been --5 MR. GRIFFON: We closed out the SEC but we never closed out the site profile is what -- is 6 currently where it stood. 7 8 DR. ZIEMER: Did we have a workgroup way back 9 on Y-12? 10 MR. GRIFFON: Yes, we did, yeah. 11 DR. NETON: I think one of the first. 12 MR. GRIFFON: Yeah. It was right after --DR. NETON: Bethlehem Steel. 13 14 Yeah, or -- or I was thinking of MR. GRIFFON: 15 Mallinckrodt, but --16 DR. NETON: Mallinckrodt (unintelligible). 17 MR. GRIFFON: -- anyway, it was right in there 18 and --19 DR. ZIEMER: Well, actually we should continue 20 to carry that on our list, as we are doing with 21 the --22 MR. GRIFFON: Yeah, I think we need to. Ι 23 think we -- I sent a -- the most current 24 version of the matrix that I had to LaVon 25 'cause they -- I -- you know, they wanted to

1	see where we had left it where we had left
2	off on it.
3	DR. ZIEMER: On on the most recent listing
4	that Zaida sent out, there's on the third
5	page there's something called "closed and
6	completed working groups."
7	MR. GRIFFON: Paul, I'm having a hard time
8	hearing you.
9	DR. ZIEMER: The third page of what the
10	listing of workgroup members that Zaida sent
11	out in July, it lists "closed and completed
12	workgroups", including conflict of interest,
13	SEC petitions not qualified, and Linde. I'm
14	saying we should have put we should add Y-12
15	to that list, I guess, if it's truly closed
16	out.
17	DR. BRANCHE: Well, Paul, this is Christine.
18	Y-12 has not been a workgroup of which I've
19	been aware in my tenure, or or Zaida's, for
20	that matter so I think Dr. Neton was the one
21	who said it was quite a while back that Y-12
22	was a group, so
23	DR. NETON: Let me I think Christine, I
24	think I can explain this a little bit.
25	DR. BRANCHE: Thank you.

1 DR. NETON: Early on in the -- in the 2 development there were not separate workgroups 3 for site profile reviews. There was one 4 workgroup, if you remember way back when, and 5 they handled multiple tasks. And then Y-12 was in that multiple workgroup and then it split 6 7 off into becoming an SEC workgroup and that --8 that has been closed. But there remains a 9 number of open items on the site profile review that was conducted by SC&A some time ago that 10 11 need -- that need to be closed. So the SEC 12 workgroup I think would be the appropriate 13 group to reconvene to finish the site profile 14 review. 15 MS. MUNN: Yeah, that was in the 2005/2006 --16 DR. NETON: Yeah, it's been some time. 17 MS. MUNN: -- time frame. 18 DR. ZIEMER: Okay, well --19 Yeah, it's definitely been a MR. GRIFFON: 20 while and (unintelligible) --21 **DR. ZIEMER:** -- we'll need to look back and see 22 who was involved in that and maybe either 23 react -- maybe reactivate it at this point, so -24 25 MS. BEACH: And Paul, I have a question -- this

is Josie -- on workgroup issues, before we move on.

1

2

3 DR. ZIEMER: Uh-huh. 4 MS. BEACH: And I'm not sure how this is 5 handled. Maybe one of you guys can tell me. If we have an item on our matrix from a 6 7 workgroup meeting that has been determined to 8 be a site profile issue and not an SEC issue, 9 is there a mechanism to track those issues so that we can go back and -- and determine if 10 11 that site profile has been updated? 12 DR. ZIEMER: I think in principle there is. Ιf 13 there's a -- there should be a site profile 14 matrix. It may not be one that your workgroup 15 is working with at tha -- at that point, but --16 MS. BEACH: That -- that's my concern, because 17 when it was brought up in our workgroup meeting 18 for Mound, nobody could clearly tell me how 19 those issues are tracked once it's been 20 determined to be a site profile issue. 21 DR. ZIEMER: Well, in -- in principle -- and I think what's -- what happens in some of these 22 23 cases like Mound where the pressing issue is 24 the SEC, but at some point the site profile 25 itself has to be addressed as well as the SEC,

1 and so there should be -- you -- you have the -2 - you have the SE-- you have the SC&A findings 3 which start the -- sort of the -- well, in fact 4 now I think, John, you're putting them in a matrix form. Is that not correct? 5 6 DR. MAURO: That's correct. Every one of our -7 8 DR. ZIEMER: Right, so there is -- there is a -9 - a, quote, matrix. Whether or not the -- we 10 have the NIOSH responses to all those -- in 11 many cases we've -- like in the SEC cases, 12 we've picked out the items that are SEC-13 specific and addressed them. If it's 14 determined to be a -- a site profile issue, 15 then it should -- you know, it should appear in 16 that matrix. We will have to at some point go 17 back, in a case like Mound, and make sure that 18 the matrix itself for the site profile is 19 brought to closure. 20 MS. BEACH: Okay. And that was my concern --21 DR. ZIEMER: Yeah. 22 MS. BEACH: -- that we would lose track of some 23 of these, so --24 DR. ZIEMER: Right, so --25 MS. BEACH: Okay, thanks.

## WORKGROUP RESPONSIBILITIES

2	DR. ZIEMER: Yeah. Okay, let's proceed. Next
3	item is workgroup responsibilities. I actually
4	e-mailed out to you this morning you
5	probably haven't all seen it yet a an
6	updated version of the of the workgroup
7	responsibilities list that we distributed at
8	our meeting in St. Louis. The the idea here
9	is this is these are to go on the web site,
10	they're they're a brief compilation of the -
11	- of the responsibilities of each of the
12	workgroups. Following that meeting I received
13	comments from several individuals on rewording
14	of some of the items, and I've incorporated
15	those rewordings in the revised copy, which I
16	actually distributed early this morning by e-
17	mail, with the revisions marked in red. So
18	and I don't know if you all have that, and we
19	don't necessarily have to take formal action on
20	these. What we had agreed to last time was
21	that these descriptions were appropriate for
22	use on the web site, that you would be allowed
23	to make editorial changes or clarify things,
24	and then at some point we would consider them
25	ready. I believe that they are now ready to go

1 on the web site with the changes that have been 2 incorporated. And I'll just tell you very 3 briefly what those changes are. That is I'll -4 - I'll identify the particular workgroups where wording changes have been made, and they are as 5 follows: 6 7 The conflict of interest Board policy 8 workgroup, which is inactive, we reworded that 9 one based on a recommendation from Emily 10 Howell. So you'll see some better words in 11 there than I had originally. 12 The Rocky Flats description was changed slightly at the request of Mark, just a -- just 13 14 some minor rewording, no change in the overall 15 thrust of the responsibilities. 16 The SEC issues group -- I have added a 17 statement at the end of that one saying this 18 workgroup was also assigned the responsibility 19 of reviewing the Dow Madison SEC petition and related documents, and developing a 20 21 recommendation for the Board, so that has been 22 added. 23 The surrogate data group I've added this 24 sentence: "This workgroup was asked to 25 consider the application of surrogate data

1 criteria to the Texas Chemical site in relation 2 to the SEC petition for that facility." These 3 were added just to make sure that, in addition 4 to the general responsibilities, those 5 particular sites were called out. 6 And then I've added a brief description of the 7 responsibilities of TBD-6000 and 6001, and this is new so let me read it for the record. 8 9 (Reading) TBD-6000 and 6001 workgroup. This 10 workgroup is responsible for the review of the 11 specified TBDs, as well as the appendices that 12 apply to specific work sites. They will also review any reports developed by the Board's 13 14 contractor, SC&A, pertaining to these TBDs and 15 the appendices, and will assist NIOSH and SC&A 16 in resolving issues that arise through the 17 review process. The initial focus of the 18 workgroup will be on Appendix BB of TBD-6000, 19 dealing with General Steel Industries (Granite 20 City Steel). The workgroup will make 21 recommendations to the Board in cases where 22 appendices involve sites with SEC petitions. 23 So with those changes, I -- I'd like to see if 24 there's any additional comments Board members 25 might have before we instruct Chris to go ahead

1	and put things on the web site.
2	MS. MUNN: Yes, Paul, this is Wanda. In
3	scanning through these this morning, when I got
4	to procedures review and the first sentence
5	says the workgroup's responsible for reviewing
6	the outcomes of SC&A Task III, and a little red
7	flag went up in my head saying Task III is over
8	and done with.
9	DR. ZIEMER: Where where is this now?
10	MS. MUNN: Oh procedures review.
11	DR. ZIEMER: Oh, on the procedures reviews?
12	MS. MUNN: Yes, as you will recall from
13	DR. ZIEMER: Oh, okay.
14	MS. MUNN: SC&A's most recent monthly
15	report, they've now you know, for accounting
16	purposes, SC&A's Task III has been completed
17	and closed out. The responsibilities were
18	transferred to Task I. So I suggested I was
19	going to suggest the addition of three words,
20	following "Task III", to say "and related
21	assignments", rather than try to get into what
22	gets transferred where.
23	DR. ZIEMER: Okay. So it would say "The
24	workgroup is responsible for reviewing" and
25	it's not reviewing Task III, it's the outcomes

1 of Task III --2 MS. MUNN: Reviewing any outcomes of --3 DR. ZIEMER: -- and related --4 MS. MUNN: -- SC&A --5 DR. ZIEMER: -- and related assignments. -- Task III and related assignments. 6 MS. MUNN: 7 DR. ZIEMER: That's fine. Excuse me, this is John Mauro. 8 DR. MAURO: 9 Wanda, if I may, as we put out work products 10 related to procedures reviews --11 MS. MUNN: Yes. 12 DR. MAURO: -- what normally would have been 13 under Task III, I had -- even though we are 14 keeping accounting of -- we're charging our 15 time against Task I, as directed by the Board, 16 when we put out our deliverable we still call 17 it Task III. Should -- perhaps -- on our cover 18 page. Perhaps we should have a little notation 19 -- I'm thinking out loud right now -- so that 20 everyone's aware that -- that though this is 21 within the scope of Task III, it's actually, for accounting purposes, you know, being 22 23 charged against Task I. 24 MS. MUNN: I don't know whether that's 25 necessary or not --

DR. ZIEMER: I don't think -- I don't think 1 2 here that it's necessary, John. 3 MS. MUNN: Yeah, I think that --We -- we know that Task III is the 4 DR. ZIEMER: 5 procedures review. I think Wanda's wording 6 gives you -- gives us enough wiggle room here 7 that if -- you know, if there's a Task I 8 billing of it, this -- nobody's going to argue 9 it, but it's still related to the review 10 process. 11 DR. MAURO: Okay. 12 So I think these words will cover DR. ZIEMER: 13 it. I -- that's a good addition. It keeps it 14 -- the scope where it needs to be, so -- and I don't think we need further detail in -- in 15 16 this particular document. 17 DR. MCKEEL: Dr. Ziemer, this is Dan McKeel. 18 DR. ZIEMER: Yes, Dan. 19 DR. MCKEEL: I'm sorry to interrupt, but I 20 noticed when you read the new wording for your 21 new workgroup on TBD 6000 and 6001, and you 22 mentioned after -- in the part about the 23 initial focus will be on General Steel 24 Industries (Granite City Steel), I just wanted 25 to comment -- you know, it took us two years,

1 with lots of input from John Ramspott and I, to 2 convince all the agencies that Granite City 3 Steel was a completely separate physical place 4 \_ \_ 5 DR. ZIEMER: Okay, I --6 DR. MCKEEL: -- and I think that --7 DR. ZIEMER: -- I will remove that, I --8 DR. MCKEEL: -- could lead to confusion. 9 DR. ZIEMER: -- had put it in because a number 10 of our early documents were identifying it that 11 way, but --12 DR. MCKEEL: It would be a lot clearer to just 13 \_ \_ 14 DR. ZIEMER: -- I'll just leave that out. 15 DR. MCKEEL: Thank you very much. 16 DR. ZIEMER: I appreciate that comment. 17 DR. MCKEEL: Thank you very much. 18 Just leave it as General Steel DR. ZIEMER: 19 Industries and then there won't be any question 20 on it. 21 DR. MCKEEL: Thank you. 22 DR. ZIEMER: Thank you. 23 DR. MCKEEL: Yeah. 24 DR. ZIEMER: Okay --25 MR. GRIFFON: Paul?

1 DR. ZIEMER: Yes. 2 MR. GRIFFON: Two thing -- I mean I think maybe 3 a careful editorial read through this, but I 4 just glanced at it and I saw something similar 5 to the Rocky Flats comment I had before. For 6 Savannah River the second line says "to review 7 the SC&A review of the Hanford site profile", 8 and I think the cutting and pasting, you know -9 - it's a cut-and-paste error, I think. Ιt 10 should be the Savannah River site profile. 11 MS. MUNN: Just "Hanford" just needs to come 12 out. 13 MR. GRIFFON: Yeah. 14 MS. MUNN: It's review of the site profile. MR. GRIFFON: But I think if --15 16 DR. ZIEMER: Oh, yeah, that was a -- that was a 17 \_ \_ 18 **MR. GRIFFON:** -- someone (unintelligible) you 19 could do a pretty good scrub, make sure we 20 don't make that kind of mistake. That looks 21 kind of bad on the web site. DR. ZIEMER: Yeah, yeah, yeah, I -- I see where 22 23 you are. MR. GRIFFON: And then also the other -- this 24 25 is kind of a -- I mean I think this'll

1 constantly be sort of a living update on these 2 things, but for the Savannah River Site, I --3 I'm noticing now and I -- I gave my report 4 before -- in the past we've often rolled --5 rolled -- if we had a site profile review 6 underway and a SEC came up, we would roll -- we 7 would task the group with the review, but I 8 don't want to be presumptuous. I -- I -- I know there's an SEC now out there, but 9 10 initially our group was not tasked with looking 11 at that, so I -- I think I mis-spoke before. Ι thought it was to do both, but now looking --12 DR. ZIEMER: Yeah, I don't think there's ever 13 14 been a tasking on an SEC yet for --15 MR. GRIFFON: Right, right --16 DR. ZIEMER: -- Savannah River. 17 MR. GRIFFON: -- right, so I -- I think I mis-18 spoke before when I did a workgroup update. We 19 weren't -- the SEC wasn't out there when we 20 started this workgroup. 21 DR. ZIEMER: Right. 22 MR. GRIFFON: So maybe that's something we want 23 to take up at the --24 DR. ZIEMER: Well, we -- we may -- we may want 25 to change your duties at the next meeting, but

1 \_ \_ 2 MR. GRIFFON: That's what I was saying, yeah. 3 DR. ZIEMER: -- apparently this is the way it 4 (unintelligible) is correct. 5 MR. GRIFFON: Okay. 6 DR. ZIEMER: Any other comments? 7 (No response) 8 Okay. I -- I will -- I will send out another 9 slightly modified version then incorporating 10 all these changes, and then we'll ask Chris to 11 go ahead and put that on the web site. 12 SELECTION OF THE BOARD CONTRACTOR 13 Okay, let's move on -- selection of the Board 14 contractor. Dr. Branche, you want to kick that off and tell us where we are and -- is David 15 16 Staudt also on the line? 17 DR. BRANCHE: I don't know if Mr. Staudt is on 18 the line. David, are you there? 19 (No response) 20 Okay. Mr. Staudt is the person who's been 21 governing all the paperwork for the -- the 22 Advisor -- sorry, the -- the contractor for the 23 Advisory Board. Unfortunately his 24 responsibilities also have included quite a few 25 activities related to the World Trade Center,

1 which was a very demanding experience for all 2 involved in a grant announcement -- a couple of 3 grant announcements that went out and they were 4 competing for his attention. What that has 5 meant is that the procurement staff at CDC have determined that we -- that NIOSH and CDC will 6 7 extend SC&A an extension of their services 8 beyond the end of the fiscal year, which ends 9 September 30th of this year, and will likely 10 come out with the announcement in the -- in 11 September -- late September, early October. 12 Which will mean that the activities for the Board -- the Board's requests will still be 13 14 honored by SC&A while the announcement and 15 review and selection process is underway. Thev 16 do apologize for the delay, and I have strenuously reminded the procurement staff of 17 18 the wish that the Board has to review the 19 language of the announcement before it goes 20 So that -- that's a report as I know it. out. 21 DR. ZIEMER: Okay. Board members, any 22 questions or comments relative to that? 23 (No response) 24 TRACKING DATABASE UPDATE 25 Okay, let's go ahead with report from Nancy

1 Adams on the tracking database update. 2 MS. ADAMS: At the procedures meeting on July 3 21st Stu Hinnefeld from NIOSH was able to demo 4 the new database system, which is a document-5 driven system that will replace the Access 6 database that had current-- that had been 7 developed by SC&A. It will be populated with 8 all the data and it -- and in its new format it 9 will be able to be updated on either side, 10 either by SC&A or by NIOSH. And it is being 11 constructed in such a way that at some point in the future it will be able to link all of the 12 13 various documents that relate to -- to a 14 particular SEC, to a particular site, so that 15 all the various databases that are in existence 16 now will be merged into one so that they're --17 with sub-modules that you can actually just 18 look at the -- the modular section or -- that 19 you're interested in or look at a particular 20 site and look at all that relates to that site. 21 So it's a document-driven system and SC&A did 22 provide NIOSH an update prior to the July 21st 23 meeting that included a number of closures for 24 items that were previously open, as well as 25 some changes in some of the other statuses.

1 And hopefully in September this will have been rolled out to both NIOSH, which we anticipate 2 3 that happening this month, in August, and then 4 to the Board. 5 Thank you, Nancy. Questions or DR. ZIEMER: 6 comments for the -- from the Board members? 7 I might remark that -- getting background noise 8 here -- might remark that I was very -- I've 9 been very impressed by the system that they've 10 developed. It's very extensive but it's very 11 versatile. 12 MS. MUNN: A great deal of work has gone into 13 it and it's much appreciate by those of us who 14 have to use this data in more than one way. Leroy Turner from the NIOSH staff 15 MS. ADAMS: 16 has -- is just absolutely amazing, and -- and -17 - and he has -- has such a grasp of -- of the 18 system, as well as its contents, it's -- it's 19 incredible. And -- and the hope is also so 20 that there will be a nexus with the number of 21 claims that can be affected by any one of these 22 documents available for rev-- available to see 23 as well. 24 DR. ZIEMER: Okay, very good. Thank you, 25 Nancy.

1 Let's see, let's go ahead to --2 MR. GRIFFON: Can you -- just one question, 3 Paul. 4 DR. ZIEMER: Yeah. 5 Is this -- is that newer version MR. GRIFFON: 6 on the same area of the O drive that the 7 previous Access database was? I haven't looked 8 at it yet. 9 MS. ADAMS: It's not -- it's not rolled out 10 (unintelligible) --11 MR. GRIFFON: Okay. 12 MS. ADAMS: All we had available for the July procedures meeting was -- was a -- was a --13 14 MR. GRIFFON: A demo. 15 MS. ADAMS: -- a demo. 16 DR. ZIEMER: A demo. 17 MR. GRIFFON: Okay. Thank you. 18 MELIUS VOTES UPDATE 19 DR. ZIEMER: Thank you. Dr. Branche, you want 20 to review the -- Dr. Melius did provide his 21 votes on several of the items that were covered 22 at our last meeting. One of the items he still 23 has to vote on and that was, as I indicated 24 earlier, was on the Chapman Valve vote. He's 25 awaiting the details from the transcript to

1	review. But he did feel comfortable in voting
2	on the other issues that we voted on at the
3	last meeting which then I think, Dr. Branche,
4	you can report on.
5	DR. BRANCHE: I'm happy to. Just to check, has
6	Dr. Melius joined us?
7	(No response)
8	Okay. Dr. Ziemer and I conferred with with
9	Dr. Melius, and on July 7th he let us know by
10	e-mail that, as it concerned Y-12 and the
11	Spencer Chemical SEC petitions which were voted
12	to be approved by the full Board, he agreed
13	with those votes and so those votes are
14	unanimous.
15	He also reviewed the corrected letter to the
16	Secretary regarding the procedures review and
17	the vote to approve that letter, and he
18	concurred with that one as well.
19	Those are the votes that we have from Mr
20	from Dr. Melius.
21	DR. ZIEMER: Okay, thank you very much. Those
22	will show now on the official record, so I
23	think the votes on all three of those items
24	then were unanimous in favor, as I recall.
25	DR. BRANCHE: That is correct, Dr. Melius

1 (sic). 2 Before we adjourn I do have one other 3 announcement, Dr. Mel-- Dr. Ziemer, so whenever 4 you say. 5 DR. ZIEMER: Go ahead. 6 MESSAGE FROM DFO 7 DR. BRANCHE: I've had the pleasure of working intimately with the Board -- I guess actually 8 9 in the fall. I started at NIOSH in July of 10 last year, knowing that I would be taking on 11 the responsibilities from Dr. Lewis Wade of 12 being the Designated Federal Official for this Advisory Board. We had a bit of a transition 13 14 period, from which I benefited from Dr. Wade's enormous talent and wisdom, and we made the 15 16 official transition for me to be the -- the 17 Designated Federal Official in March of this 18 year. 19 On July 3rd Dr. John Howard -- his contract 20 came to an end -- actually on the 2nd of August 21 -- and it was on July 3rd that we knew formally 22 that Dr. John Howard would not have his tenure 23 as the Director of NIOSH renewed. And Dr. 24 Julie Gerberding, the Director of the Centers 25 for Disease Control and Prevention asked me to

1 be the Acting Director of the National 2 Institute for Occupational Safety and Health. 3 I said that I would be the Acting Director and 4 I've asked Mr. Ted Katz to be the Acting 5 Designated Federal Official. Lots of words for 6 you. He will begin that role formally on August 25th of this year. I will be the DFO 7 8 for some upcoming workgroup meetings that are 9 scheduled I believe the third week in -- in 10 August, and then Mr. Katz and I will both 11 attend the Board meeting -- the next Board 12 meeting that's scheduled for Redondo Beach, and 13 I'll do a day, we'll share a day, and then Mr. 14 Katz will take over the chair fully. Not at 15 all the generous transition period that I 16 enjoyed, but fortunately Mr. Katz is much, much 17 more intimately knowledgeable about Board 18 activities than I was coming on into this role. 19 I apologize for any slippage that -- that may 20 I think we've tried to make certain occur. 21 that everyone's taken care of. I do apologize 22 for what may be a -- a slight jumbled feeling 23 that some of you may be experiencing over these 24 -- over the last couple of weeks. I believe 25 we're shoring up any of the -- any of the

1 problems, and please feel free to let Mr. Katz 2 and me know if you feel neglected or overlooked 3 in any way. I do apologize for this 4 transition, but we're moving as fast as we can. 5 Thank you, Dr. Ziemer. DR. ZIEMER: Okay. And first of all let me 6 7 congratulate you, Dr. Branche, on your new 8 assignment. We know it's some heavy shoes to 9 fill and a lot of responsibility, and we -- we 10 know you'll do it well. We'll have a chance at 11 our next meeting in California to more formally 12 thank you, but we -- we do thank you for the work that you've done for the Board and done so 13 14 well. 15 We do also appreciate the fact that Mr. Katz is 16 coming aboard. He worked with the Board at --17 extensively in our earlier years, so he is, as 18 you say, fairly familiar with the Board's 19 procedures and processes so I'm sure he'll make 20 a smooth transition as well. 21 We do appreciate the work that you have done 22 and are continuing to do for the Board. 23 MS. MUNN: Hear! Hear! 24 DR. ZIEMER: Let me -- although we're getting 25 ready to sign off and I -- when I learned from

1 Dr. Melius that he wouldn't be able to join us 2 till sometime after noon and maybe toward 3 12:30, and I e-mailed him and said that I was 4 hopeful that we would be done by then, not --5 not that I want to be done before he came 6 aboard but that our agenda was somewhat 7 abbreviated and I felt we would be pretty close 8 to finishing our work by 12:30. But 9 nonetheless, let me see if Dr. Melius has come 10 aboard and give him a chance to comment, if he 11 so wishes. 12 (No response) 13 Apparently not. Okay. There is one other 14 item, although it wasn't on the original 15 agenda. We received this past week a letter 16 from Congressman (sic) Schumer and from Senator 17 Clinton, and from Congresswoman Slaughter 18 relating to Linde. I believe I copied 19 everybody on that letter. 20 DR. BRANCHE: Yes, you did, I believe, Dr. 21 Ziemer. 22 DR. ZIEMER: Okay. 23 DR. BRANCHE: If there's anyone who didn't have 24 it, I can send it to you while Dr. Ziemer 25 speaks.

1 DR. ZIEMER: I want to make sure everybody has 2 a copy of the letter and I -- I don't -- he has 3 a number of questions in this letter, and I 4 have not yet had a chance to -- to draft a 5 reply, and recognize that I cannot reply to 6 this letter without the approval of the Board. 7 So -- and I'm not going to ask you to approve 8 something I have not yet written. But as you 9 read the letter, if you have any comments or 10 suggestions on sentiments or responses that you 11 feel should be incorporated into the letter, I 12 would be happy to receive those. It's my plan to have a letter ready for you to approve at 13 14 our upcoming meeting next month. 15 Is there anyone that didn't get a copy of the 16 letter from the three Congressional people? 17 (No response) 18 Apparently not, okay. Now let me ask if there 19 are any other items that any of you -- Board 20 members, that need to come before us? 21 (No response) 22 I hear none. Does that -- that mean you're all 23 on mute or are there really no more items? 24 MS. MUNN: It means most of us are on mute. 25 DR. ZIEMER: Okay.

to
at 12:28

## CERTIFICATE OF COURT REPORTER

STATE OF GEORGIA COUNTY OF FULTON

1

I, Steven Ray Green, Certified Merit Court Reporter, do hereby certify that I reported the above and foregoing on the day of August 5, 2008; and it is a true and accurate transcript of the testimony captioned herein.

I further certify that I am neither kin nor counsel to any of the parties herein, nor have any interest in the cause named herein.

WITNESS my hand and official seal this the 25th day of August, 2008.

STEVEN RAY GREEN, CCR, CVR-CM, PNSC CERTIFIED MERIT COURT REPORTER CERTIFICATE NUMBER: A-2102