

1 Time elapsed on the FTR 3:14:12-3:14:22

2 (CONFERENCE CALL INITIATED)

3 MR. WEBBER: Do we know who the senior
4 agency official is?

5 JENNIFER: (Inaudible).

6 MR. WEBBER: Okay. Is he in Tokyo?

7 JENNIFER: Yes.

8 MR. WEBBER: So does our team in Tokyo
9 know that?

10 JENNIFER: They do (inaudible).

11 MR. WEBBER: Okay. Very good.

12 Hi Josh.

13 JOSH: How you doing, Mike?

14 MR. WEBBER: Good. How are you?

15 MR. BATKIN: I'm good. I'm sorry to
16 interrupt. Hey, there is a 9:30 Civets (phonetic)
17 call.

18 MR. WEBBER: Okay.

19 MR. BATKIN: It is kind of at the

20 [REDACTED]
21 (b)(5)

22 MR. WEBBER: Okay.

23 [REDACTED]
24 (b)(5)

25 issue from overnight.

MR. WEBBER: Okay.

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1 MR. BATKIN: Chairman is in the commission
2 meeting at 9:30 so he was hoping you might be able to
3 do it.

4 MR. WEBBER: Understood.

5 MR. BATKIN: And he might kick me out of
6 the meeting to come join you if that was okay.

7 MR. WEBBER: That's okay.

8 MR. BATKIN: Okay. So 1 White Flint
9 Civets at 9:30?

10 MR. WEBBER: Yes.

11 MR. BATKIN: Okay. Great. I'll send you
12 the email so you have what the issue is.

13 MR. WEBBER: Okay, Josh.

14 MR. BATKIN: Okay. Great. Just send me
15 an email if that changes.

16 MR. WEBBER: Okay. Will do.

17 MR. BATKIN: Thank you, sir.

18 MR. WEBBER: Thank you.

19 (Whereupon, the call was concluded.)
20

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1 Time elapsed on FTR 3:15:49-3:15:53

2 (CONFERENCE CALL INITIATED)

3 MR. WEBBER: Tom, are you there?

4 TOM: Yes, this is Tom.

5 MR. WEBBER: Hey, Tom. Mike Webber here
6 in the ET.

7 TOM: From what I understand, Andrea
8 received a call this morning about upcoming phone call
9 with the consortium at 2:00 and a pre-call at 1:00
10 p.m. and somebody was going to provide us some more
11 information. She asked me to follow-up.

12 I was just trying to find out the level of
13 participation at the 1:00 p.m. and 2:00 p.m. call -- I
14 understand Admiral Ellis is not going to be on it --
15 2:00 p.m. and what kind of support you might need for
16 the chairman or the chairman's office.

17 MR. WEBBER: My understanding from
18 turnover was that the chairman intended to call high-
19 level counterparts just to continue to pave the way
20 for the success of the 2:00 call.

21 TOM: Okay.

22 MR. WEBBER: Not that there's a problem
23 but we do need to make certain that, for example, DOE
24 is going to be stepping up and taking that on as a
25 primary focus in terms of clarifying roles and

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1 responsibilities.

2 TOM: Okay.

3 MR. WEBBER: And, again, we're not
4 expecting any difficulties. If his schedule doesn't
5 support that, you know, we could always have the 2:00
6 call and then report back on how it goes. We thought
7 it was probably best if there was high-level
8 discussion as I know there have already been.

9 TOM: Right.

10 MR. WEBBER: Now that we've had the
11 meeting and the first of these conference calls, it
12 would be a time to check in with his counterparts to
13 confirm a consistent understanding of his roles and
14 responsibilities.

15 TOM: I think I'm a little confused here.
16 As far as the chairman goes, you're asking for him to
17 -- you're thinking that he's going to make a call
18 outside of these two phone calls?

19 MR. WEBBER: I think the pre-call was with
20 his counterparts. Is that right, Tom?

21 MR. BERGMAN: The purpose of the so-called
22 pre-call which has been set at 1:00 was -- this is Tom
23 Bergman (phonetic).

24 TOM: Okay.

25 MR. BERGMAN: Okay. It was ideally to get

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1 agreement from the various federal agencies involved
2 as to who would be meeting the U.S. Government
3 response.

4 TOM: Okay. So you would expect the
5 chairman to be on the 1:00 p.m. call.

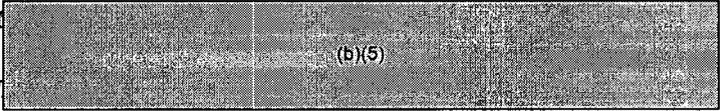
6 MR. BERGMAN: Yes, we would.

7 TOM: Okay.

8 MR. BERGMAN: That is the principal
9 concern of the so-called industry consortium who is
10 leading this for the U.S. Government.

11 TOM: Okay.

12 MR. BERGMAN: Then --

13 
14 (b)(5)

15 MR. BERGMAN: We did add that as a
16 subpurpose other than the NRC but that is probably a
17 subpurpose.

18 FEMALE PARTICIPANT: Because the first
19 priority of the consortium was to establish a total
20 call for --

21 TOM: Okay.

22 MR. BERGMAN: More logistics and
23 management of the event than the NRC safety
24 accessible.

25 TOM: Do you know who from DOE and INPO

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1 would be on that 1:00 p.m. call?

2 MR. BERGMAN: We were planning on (b)(6)
3 from INPO.

4 TOM: (b)(6).

5 MR. BERGMAN: (b)(6).

6 TOM: Lyons. Okay.

7 MR. BERGMAN: I can't recall --

8 TOM: That's all I need to know for that.

9 Are they going to participate on the 2:00 p.m. call
10 as well?

11 MR. BERGMAN: (b)(6) participated
12 yesterday so we would assume that he would participate
13 at the 2:00 p.m. call. He is with INPO.

14 TOM: And then who from the NRC would
15 participate at 2:00 p.m.?

16 MR. WEBBER: I would as the ET director.

17 TOM: Okay, Mike. Sounds good. Let me
18 relay that to the Chairman and get back to you as far
19 as figuring out if he's going to participate at 1:00.

20 MR. WEBBER: Okay.

21 TOM: I'll let you know. Thanks for the
22 info.

23 MR. WEBBER: All right. Thank you, Tom.

24 TOM: Bye.

25 MR. WEBBER: Bye-bye.

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(Whereupon, the call was concluded.)

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1 Time elapsed on the FTR 3:19:35-3:19:55

2 (CONFERENCE CALL INITIATED)

3 MR. WEBBER: Tom, are you on?

4 TOM: Yeah, Mike. It's Tom.

5 MR. WEBBER: Hi Tom.

6 TOM: The chairman will participate in the
7 1:00 p.m. call.

8 MR. WEBBER: Okay. Great.

9 TOM: Okay. Thanks.

10 MR. WEBBER: Thank you.

11 TOM: Bye.

12 MR. WEBBER: Bye-bye.

13 (Whereupon, the call was concluded.)_
14

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1 Time elapsed on the FTR 3:20:04-3:20:20

2 (CONFERENCE CALL INITIATED)

3 MR. MILLER: Bill?

4 MR. BORCHERT: Yeah, this is Bill. I was
5 just listening.

6 MR. MILLER: Okay. This is Charlie. Mike
7 is in the backroom still in discussion on the 1:00
8 call with the chairman and company.

9 MR. BORCHERT: Okay. We terminated that
10 call about 20 minutes ago so maybe he's having some
11 follow-up.

12 MR. MILLER: He must be having some
13 follow-up discussion, yes.

14 MR. BORCHERT: Yes. Okay. Thanks. I'll
15 just leave the line open to listen in. Thanks.

16 MR. MILLER: Okay.

17 (Whereupon, the call was concluded.)

18

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1 Time elapsed on the FTR 3:20:57-3:34:12

2 (CONFERENCE CALL INITIATED)

3 MR. BORCHERT: Sorry to interrupt. This
4 is Bill. Mike?

5 MIKE: Yeah, we're here, Bill.

6 MR. BORCHERT: Are you comfortable with
7 running the 2:00 conference call of the consortium?

8 MIKE: Sure.

9 MR. BORCHERT: I know you weren't -- you
10 were here yesterday. Right? Were you on that -- oh,
11 no. That was Sunday. Sorry. My days are getting
12 mixed up on me. The way we ran it yesterday was the
13 ET director just gave a brief overview of plant status
14 in Japan.

15 Then (b)(6) gave a summary of the
16 industry initiatives and activities which will largely
17 be a repeat, I think, of what he talked about at the
18 1:00 call but it's a different audience here. Then
19 just open it up for any questions and comments.

20 It's not much. Maybe just 10 or 15
21 minutes. The chairman is making a couple follow-on
22 calls from that 1:00 call. I haven't heard any
23 results yet but we're hoping to get some clarity on
24 the lead for federal response.

25 MIKE: Hey, Bill, we did put out a draft

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1 agenda for this call and one of the things that we
2 specifically wanted to talk about is just share with
3 each other what actions do we think are underway in
4 terms of what work we have underway with our team in
5 Japan and what other projects are underway. Are you
6 aware of that?

7 MR. BORCHERT: No, that sounds perfect.
8 That's good.

9 MIKE: All right.

10 MR. BORCHERT: Thank you.

11 MIKE: Thank you.

12 (Whereupon, the call was concluded.)
13

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1 Time elapsed on FTR 3:35:51-3:36:05

2 (CONFERENCE CALL INITIATED)

3 MR. WEBBER: This is Mike Webber from the
4 NRC. I'm currently serving as the director of our
5 Executive Team. I want to welcome you to our call
6 this afternoon. I believe you all should have seen
7 the agenda for the call.

8 Our purpose is to focus on the actions
9 needed and identify where there are any disconnects
10 between the federal agency response and the industry
11 response and then any problems that have been surfaced
12 regarding the assistance that Japan may require that
13 would warrant our personal attention to get the
14 results in a prompt fashion.

15 I'm joined here by Steve Troutman
16 (phonetic) who is the deputy of our Naval Reactors in
17 the United States. I presume that -- who has some
18 sort of roster of who's on the call?

19 MALE PARTICIPANT: Yes, sir. I can do
20 that. Are you ready?

21 MR. WEBBER: Yes, please.

22 (Whereupon, the conference roster was
23 taken.)

24 MR. WEBBER: Thank you very much for
25 joining us. I think we've dialed down the status

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1 information that we are providing over these calls
2 because my understanding is that the industry and the
3 other partners are already getting that information
4 through other channels. Once there's a pressing
5 need for that information, what I would suggest we do
6 is talk about what's on our first agenda item and that
7 is the decision on which agency has the lead going
8 forward. Some of us were on a call that preceded this
9 conference call.

10 My understanding of the current status is
11 that we have not yet determined which lead would serve
12 that lead role but it's being actively worked by the
13 chairman and by other high-level officials.

14 We understand the importance that INPO has
15 identified for the prompt resolution of that. We are
16 taking action in accordance with that importance. We
17 agree that we need to identify who would have that
18 lead role.

19 I think, given that, I would suggest we
20 move on to the next one which is actions that are
21 currently being worked. I wasn't on yesterday's call
22 but there are people here with us who were on the
23 call.

24 You all should be aware that the NRC team
25 has been working with INPO and with (b)(4)

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1 (b)(6) on exploring a number of mitigating strategies that
2 could be used to restore cooling for the spent fuel
3 pool at the Fukushima Daiichi units.

4 My understanding is that the first
5 shipment of equipment to support the first train has
6 departed Australia and is either momentarily arriving
7 in Japan or is close to it. That is progress on that
8 end.

9 I know that the NRC team identified a
10 number of other strategies that could also be pursued.

11 I know, Bill, I think we've working with your folks
12 on flushing out the viability of those strategies.
13 You want to comment on those?

14 MR. KING: (Inaudible).

15 MR. WEBBER: What was that?

16 MR. KING: Sorry, Bill King.

17 MR. WEBBER: (b)(6)

18 MR. KING: Sorry, no.

19 (b)(6) Okay. Thanks. I'll just
20 give a quick update on the team over here working on
21 putting together the industry response.

22 Subsequent to our meeting on Saturday is
23 that we've been working on several fronts. I think
24 the first is looking at getting a presence in Tokyo
25 within at this point under the banner of the Wano

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1 Tokyo Center where we can get a better definition of
2 what the assistance needs are.

3 A thing that has been frustrating today is
4 where assistance has been requested. It's not certain
5 precisely what that assistance might be, who
6 specifically is requesting it, and what the
7 deliverable and the receipt entity might be.

8 The plan there is to have a person in the
9 Wano Tokyo Center with TEPCO, and also to be suspected
10 by several in-country personnel from the various
11 organizations represented here that can help us
12 understand both the language and the specifics of what
13 is being requested.

14 The second activity is to supplement the
15 INPO emergency response organization so we can
16 understand what those requests are and how the U.S.
17 industry might respond to them.

18 Right now we have 24/7 coverage in the
19 emergency response center at INPO staffed by people
20 from [REDACTED] (b)(4) [REDACTED]. We will expand
21 that depending upon and really scale that up as the
22 requests come in.

23 We want to emphasize that this effort here
24 is really a the short-term response to what I'll call
25 the mitigation phases of the event in Fukushima.

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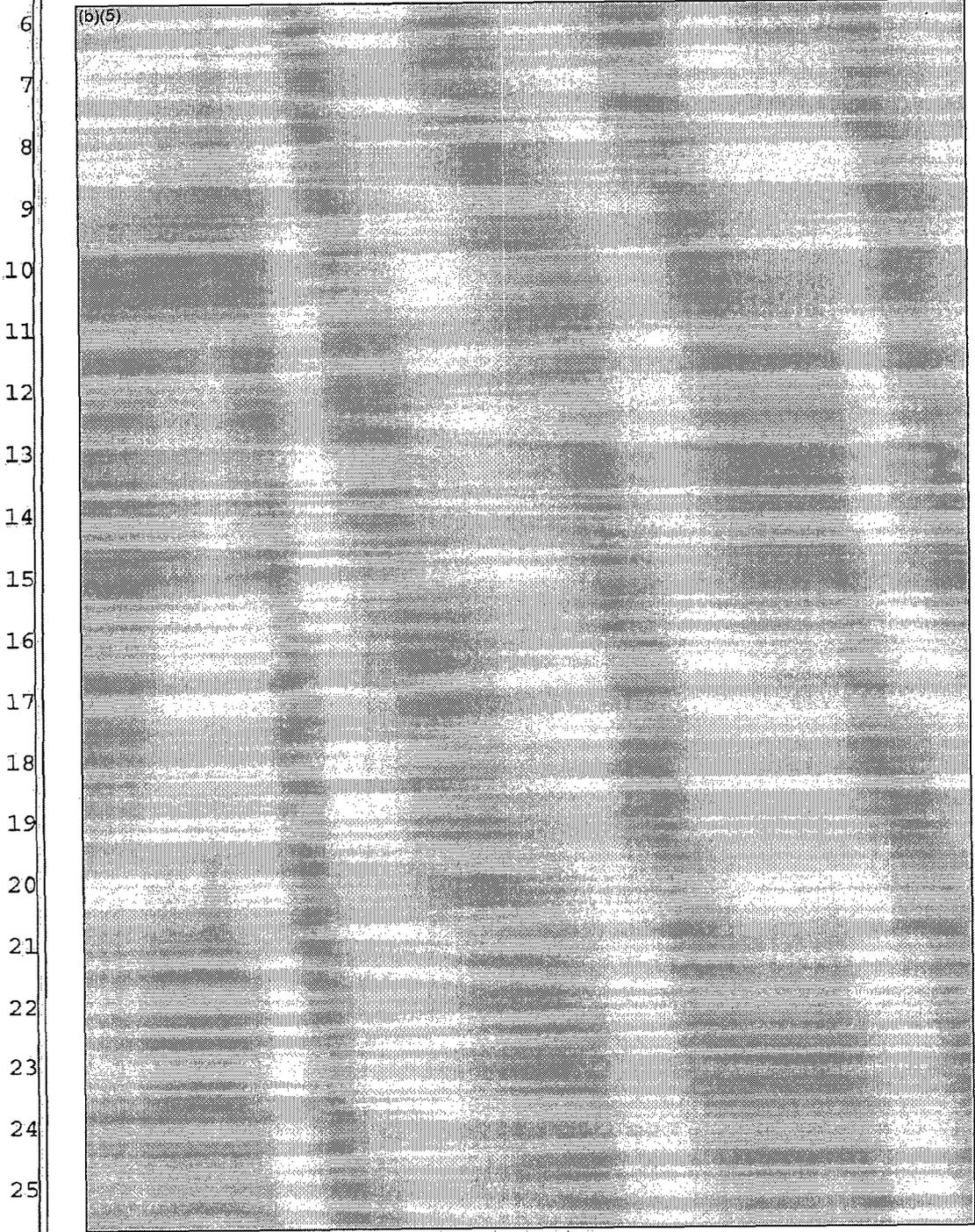
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1 We'll have that up and running by the end of the week
2 is what our plan is.

3 In time the normal commercial channels
4 will be in place. They will supplement and reduce the
5 need for this. In the interim we want to make sure



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1 TEPCO and the report pending.

2 MR. WEBBER: (b)(6), are you still there?

3
4 MR. (b)(6): Yes, I am.

5 (b)(6) Okay.

6 (b)(5)
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13 (b)(5)
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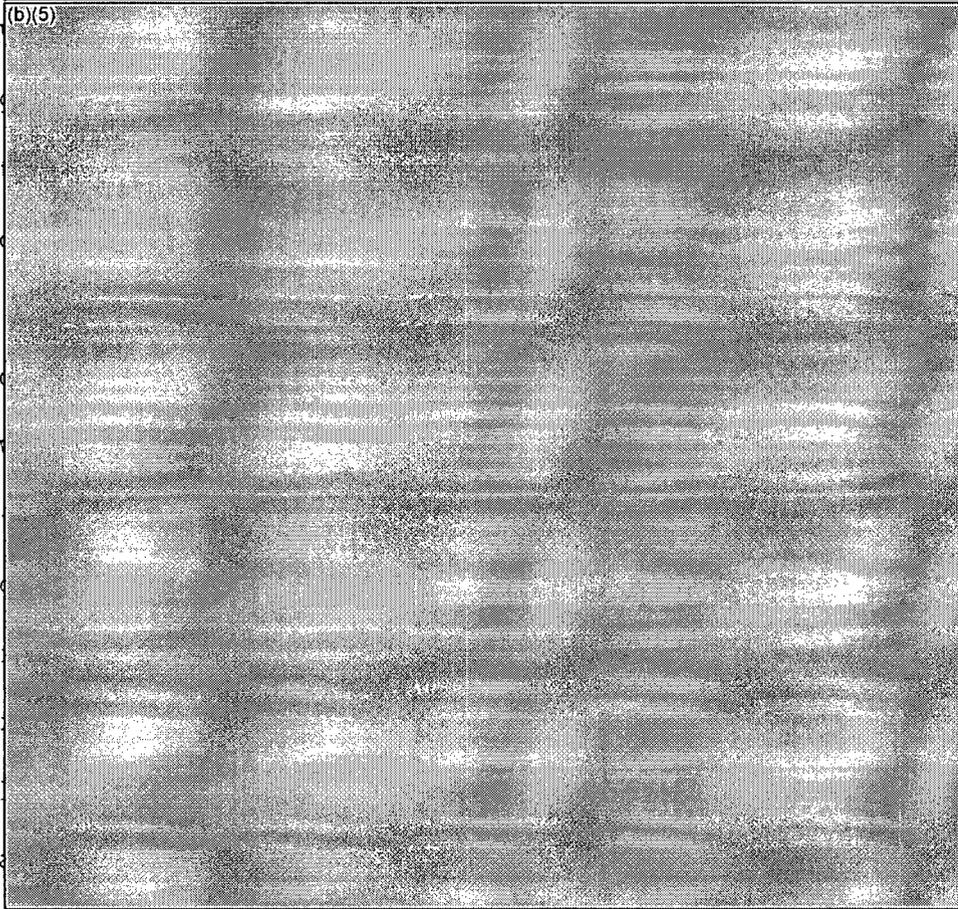
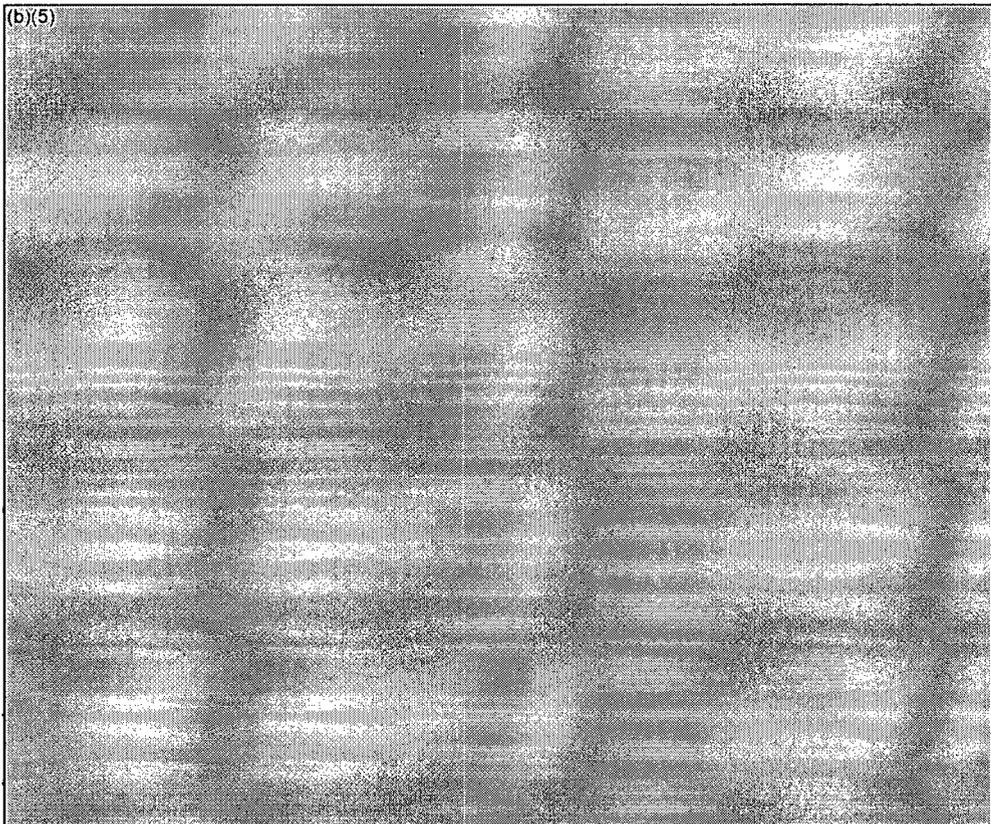
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1 MR. TROUTMAN: Yes, sir.

2 MR. WEBBER: (b)(6) in terms of the work
3 that you've been doing with the NRC team on specific
4 technical solutions, are those discussions progressing
5 well?

6 (b)(6): I'm not familiar with any
7 specific technical discussions. Ours have been pretty
8 much request for different material support so maybe
9 we can have something offline if our sense is we
10 should be receiving technical discussions from the
11 NRC.

12 We do feel, though, our routine calls with
13 the op center and those discussions seem to be going
14 quite well as far as status and conditions and
15 understanding of the situation.

16 MR. WEBBER: I know NRC looked to the
17 industry channel through INPO to work with us to
18 ensure the technical viability of the solutions that
19 are being identified and pursued. The last thing we
20 want to do at the NRC is propose something to our
21 Japanese counterparts that is not going to work.

22 While we can effectively regulate our
23 ability to actually execute and make certain things
24 work remains to be seen. That is why I think you all
25 are a key player as far as the consortium to bring to

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1 the table that kind of expertise and also identify
2 what kind of challenges might exist in implementing
3 the solution.

4 (b)(6) We probably need to discuss
5 that further because that is not a role right now that
6 at least I feel we are actively involved in. That
7 would be something that we need to talk about.

8 MR. WEBBER: Okay. Why don't we have that
9 conversation offline.

10 (b)(6) I appreciate that. We can
11 do that after this call.

12 MR. WEBBER: Okay. Are there other
13 actions that are currently underway that are being
14 worked that we ought to coordinate on this call?

15 MALE PARTICIPANT: Not from here.

16 MR. WEBBER: Okay. Jason, you're on from
17 the USAID Coordination Center. Anything you're aware
18 of there that we should be aware of?

19 JASON: No, not at this time, Mike. You
20 guys have covered pretty much everything. The biggest
21 thing we've been tracking are these flights from
22 Australia to Japan.

23 MR. WEBBER: They are progressing as we
24 would expect?

25 JASON: Yes. You guys have the same

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1 information we do. They are in route and expected to
2 land anytime now.

3 MR. WEBBER: Okay. Thanks.

4 Any other actions from the other
5 participants that we ought to discuss?

6 MR. GULLEN: This is Sal Gullen (phonetic)
7 from Office of Nuclear Energy in DOE. I'm not aware
8 of any open actions that we're working on.

9 MR. WEBBER: Thanks, Sal.

10 MR. TROUTMAN: This is Troutman again. So
11 I guess what I take away from this phone call is if
12 and when -- hopefully when the federal agency is named
13 to go lead the effort, am I hearing that INPO will
14 agree to both establish an effort here in the states
15 and there in Japan to essentially help implement the
16 direction that the federal agency agrees with as they
17 move forward?

18 (b)(6) again. I think
19 that broadly captures it. We are a coordinator and a
20 facilitator. It's the U.S. industry that is really
21 providing the bulk of the expertise as you might
22 imagine. Clearly we understand and want to serve in a
23 coordinating role in support of that effort.

24 Ultimately, this is going to have to plug
25 in with whatever effort the Japanese and the nation's

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1 capability may be beginning in Japan. I hope they
2 are. That would be our context. Start it separately
3 and then bleed it into Japan perhaps as the NRC
4 withdraws its presence in a complimentary and
5 collaborative role because, as you fairly point out,
6 we don't have all the facts yet.

7 I'm not sure the Japanese have all the
8 facts yet to craft an ultimate technical solution but
9 I think between the two of us we can probably figure
10 this out. Then sooner or later it's going to have to
11 migrate into the market place in some way as you would
12 understand.

13 There are significant costs associated
14 with this long term and we'll have to figure all that
15 out. INPO has coordinated the industry interaction
16 and would intend to continue in that regard.

17 MR. WEBBER: In terms of challenges that
18 are being experienced that are adversely affected the
19 completion of any action items that we broadly
20 discussed today, are there any that we can help
21 facilitate a resolution of?

22 (b)(6)

I think we're good here.

23 (b)(6)

24 Let me talk from an INPO
25 perspective again. It's not the largest of our issues

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1 but we're still working to get permission to put
2 someone on your NRC team in Tokyo. We're going to
3 stash him at the Wano Tokyo Center.

4 That's our current plan pending that
5 approval but the sooner we can do that and get that
6 authority on whoever has to grant it in Japan it would
7 be very, very helpful to ensure that we're getting the
8 level of interaction that we need to supply what
9 responsibilities we're executing here.

10 MR. WEBBER: Understood.

11 Jason, do you know the status of that?

12 JASON: I guess I would have to ask Jim.

13 Jim, who have you been working with, the
14 folks at headquarters or here at USAID? Frankly, this
15 is the first I'm hearing of it. That doesn't mean
16 something hasn't been done on it yet.

17 (b)(6)

We've
18 been working through NRC headquarters to establish
19 that. It's my understanding it was turned over to the
20 international group at NRC a couple of days ago.

21 JASON: Okay. I'll follow up on that,
22 Mike.

23 MR. WEBBER: Yeah. I think we need to
24 work that back through USAID. We're going to send
25 people that are not government employees that are

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1 going to participate on the team. I think that raises
2 some legal issues as I understood. That concern was
3 raised now several days ago so we should have made
4 progress.

5 JASON: Hey, Mike. I have Kathleen here.
6 She's the response manager for USAID. She can
7 address it directly right now.

8 KATHLEEN: I just wanted to say very
9 quickly we had not been made aware of that. I think
10 the key thing for us is to really get a clear picture
11 ahead of time that you are intending on sending. I'm
12 not sure outside of government officials what our
13 authorities are to send people and, therefore, we'll
14 have to explore that. I can't commit to anything at
15 this stage.

16 (b)(6)

Let's not, you know, let

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Physically in the same location with the same kind of
access.

We were told that somebody is controlling
access more broadly into Japan and that had to get
their approval. We've been waiting three days for this

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1 thing to play out. If we can't get this done in that
2 kind of time line, we've got bigger challenges again.

3 KATHLEEN: I can just tell you very
4 clearly no message has been communicated to us on this
5 side. This is the first we're hearing of it. Now,
6 whoever you're talking about who is kind of holding
7 those authorities to get your people in I can't speak
8 to that. My assumption would be it would be in the
9 embassy. As far as USAID is concerned, we had not
10 received this request before.

11 (b)(6) I know. This is why we
12 need to put somebody in charge.

13 MR. WEBBER: We're on it. Other
14 challenges? Anything here? It seems like our biggest
15 challenge right now is deciding who's in charge. That
16 ought to be our top priority.

17 In terms of working with our team in
18 Japan, they are working with their Japanese
19 counterparts as well as the representatives of the
20 private sector to urge that the Japanese take the
21 measures necessary to restore cooling of the reactors
22 and the pool.

23 That's why they have been spending a lot
24 of their time and attention focused on what might be
25 available in short order, what would it take to

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1 implement those solutions, and how would that succeed
2 in reestablishing control of the plant.

3 Any additional items we should discuss on
4 this call?

5 INPO?

6 MALE PARTICIPANT: Not from INPO.

7 MR. WEBBER: Sal?

8 MR. GULLEN: Could you just clarify for me
9 who has the action to figure out who is going to be in
10 charge?

11 MR. WEBBER: I know the chairman is
12 working on that right now with the deputy
13 administrator of AID.

14 MR. GULLEN: Okay. Appreciate that.

15 MR. WEBBER: Righto.

16 Anything from DOE? Anything additional
17 from AID?

18 MALE PARTICIPANT: Nothing here, Mike.

19 MR. WEBBER: Okay. Anybody else on the
20 line?

21 MR. KING: Nothing from NDUK.

22 MR. WEBBER: All right. So I understand
23 the next one of these calls will be tomorrow morning
24 at 1000 eastern time. Hopefully by then we'll have
25 cracked down the status of getting INPO working with a

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1 member of our team and we'll know who's in charge.

2 In the interim I would encourage INPO to
3 keep working with our reactor safety team coming up
4 with some of the trouble shooting and the mitigating
5 strategies.

6 (b)(5) : We will and we appreciate
7 that. Again, we're not trying to overly drive the
8 issue of who is in charge but depending on who it is
9 there will have to be a flow of expertise, nuclear
10 expertise to who that entity is or some form of
11 relationship established that provides them with the
12 insights they need to make the right call. Again,
13 there's organizational work to be done. It's not just
14 a question of who's wearing the stars.

15 MR. WEBBER: Understood. We agree.

16 Anything else? Thank you for your
17 participation in the call. Have a good day.

18 (Whereupon, the call was concluded.)
19

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1 Time elapsed on FTR 3:57:47-3:58:03

2 (CONFERENCE CALL INITIATED)

3 BILL: Mike, this is Bill.

4 MIKE: Go ahead, Bill.

5 BILL: I just got off the phone with OIT
6 on this question about INPO being able to get over
7 there and interact with Chuck and team and all.

8 MIKE: Are you aware of this issue?

9 BILL: Well, I wasn't aware that it was a
10 problem. I talked to Margie. She says this is not a
11 problem. She's going to call (b)(6) right now.

12 I gave her (b)(6) phone number. Then they will close
13 the loop with AID. This has been looked at
14 previously. I'm not sure where the ball got dropped
15 or where the ball went missing. That's what it really
16 sounds like to me. This is fixable in a very short
17 time period. If you guys could just keep that on your
18 tracking list over there.

19 MIKE: We've got it. What we kicked
20 around here before you called back in is if it's a
21 matter where INPO is already there and they want to
22 meet periodically with our team and at the same time
23 have the support from the U.S. Government that, yes,
24 this is a legitimate entity that you ought to be
25 meeting with, then that's easily fixable.

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1 MALE PARTICIPANT: It becomes a long-term
2 impediment.

3 MIKE: Right. I've got a feeling there's
4 an imaginary roadblock here that I think OIC can knock
5 down pretty fast.

6 MALE PARTICIPANT: We need to get it
7 knocked down.

8 MR. TROUTMAN: But I suspect -- I'm sorry.
9 This is Troutman. I know I'm interfering in your
10 call here but I suspect they actually want to be
11 introduced at being part of the team so that they feel
12 when they are working with the government of Japan
13 they can say they are part of the U.S. Government
14 team. There probably is something more than just,
15 "Hey, these are good contractors you ought to talk
16 to." They are part of the team.

17 BILL: We can do that, too. Also I just
18 found out that there's an INPO equivalent organization
19 that happens, I think, is here in D.C. and would like
20 to make contact with INPO.

21 MIKE: From Japan?

22
23 BILL: What's that?

24 MIKE: From Japan?

25 BILL: Yeah.

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1 MIKE: Okay.

2 BILL: Some representative from that
3 group. Margie is going to try to facilitate that with
4 (b)(6), too.

5 MIKE: Okay. Any progress on who's in
6 charge?

7 BILL: No, not that I've heard.

8 MIKE: Okay.

9 BILL: The chairman was trying to make
10 some calls but I haven't been over there in 45
11 minutes.

12 MIKE: Okay.

13 BILL: Thanks.

14 MIKE: Anything else you need from us?

15 BILL: Nope.

16 MIKE: All right. Going offline.

17 (Whereupon, the call was concluded.)

18

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1 Time elapsed on FTR 4:00:51-4:01:42

2 (CONFERENCE CALL INITIATED)

3 MR. WIGGINS: Mr. Chairman.

4 DR. JACZKO: Yes.

5 MR. WIGGINS: Jim Wiggins. We relieved
6 the watch here.

7 DR. JACZKO: Great.

8 MR. WIGGINS: Client-wise not too much
9 difference to report. Still haven't determined the
10 cause of the smoke in Unit 3. That's like all of
11 about 12 hours and still haven't got a clear view on
12 that.

13 DR. JACZKO: Okay.

14 MR. WIGGINS: Doesn't appear that we've
15 gotten an update on the power here where the out-of-
16 power panel in Units 1 and 2.

17 DR. JACZKO: That's significance.

18 MR. WIGGINS: We're not getting much
19 progress in this.

20 DR. JACZKO: Okay.

21 MR. WIGGINS: I think most of the news is
22 I think is not news for you. I think you already

23
24 (b)(5)
25

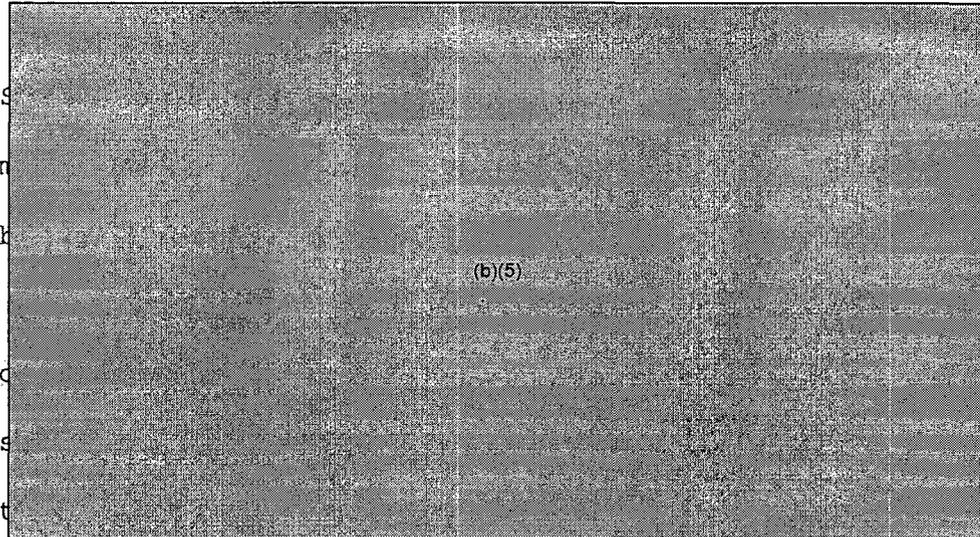
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1 DR. JACZKO: Good.



10 DR. JACZKO: Got it.

11 MR. WIGGINS: We'll have to see how that
12 comes out.

13 DR. JACZKO: Okay.

14 MR. WIGGINS: Charlie went to a meeting in
15 the sit room, Charlie Miller on plume modeling. We
16 have yet another source term, a hypothetical,
17 plausible release scenario.

18 DR. JACZKO: Okay.

19 MR. WIGGINS: Otherwise known as the
20 bounding reasonable models. We want to come up with
21 some buzz word for it so at least we have a degree by
22 source term to look at.

23 DR. JACZKO: Good.

24 MR. WIGGINS: So we're not having variable
25 numbers of cores and spent fuel pools. That's

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1 helpful. That will settle things out.

2 DR. JACZKO: Is that a MELCORE derived
3 core or release fraction basically?

4 MR. WIGGINS: I don't know. It sounds
5 like it's a negotiated answer. It's a core in part of
6 3 and part of 4 spent fuel pool.

7 LARRY: Chairman, Larry. It's not
8 remarkably different than super core frankly. It
9 assumes 25 percent core melt in Unit 2. The core is
10 33 percent.

11 DR. JACZKO: Okay.

12 LARRY: Spent fuel pool release Unit 3 50
13 percent, Unit 4 100 percent. That's the same as
14 before.

15 DR. JACZKO: Okay.

16 MR. WIGGINS: It seems to be a negotiated
17 --

18 LARRY: Yeah, but one is as good as
19 another at this point. We really don't know.

20 MR. WIGGINS: Okay. You're basically
21 aware that we've had the consortium call at 2:00.

22 DR. JACZKO: Yes.

23 MR. WIGGINS: I guess the biggest thing
24 coming out of it is obviously (b)(6) and others are
25 pushing for, and I think you are, too, to get a

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1 decision on who in the government is in charge of the
2 overall technical support function.

3 DR. JACZKO: Yep.

4 MR. WIGGINS: (b)(6) seemed to think that
5 identification of that entity would lead to his people
6 actually showing up in the country. Is there some
7 belief on his part that there may be constraints about
8 his people meeting up with ours and getting into the
9 embassy? If he had his way he would have INPO
10 embedded on the team or have has function as part of
11 the overall team approach from the U.S.

12 DR. JACZKO: Got it.

13 MR. WIGGINS: He's kind of chafing at the
14 fact that there seems to be some legal or process
15 holdups with letting something like that happen. As
16 far as I know you've been doing the discussion to try
17 to get an answer on who is really -- who is going to
18 really be the government entity that would be the
19 principal in all this.

20 DR. JACZKO: Yes. We're working on that
21 and I hope to have something very, very shortly.

22 MR. WIGGINS: Okay. Fine. We have
23 conversations that you probably -- you know, we can
24 talk to INPO or we can talk to (b)(6) When it's
25 worked out we can get that communicated.

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1 DR. JACZKO: Just for your information,
2 that is my No. 1 priority today is get that lead
3 identified so we can get those folks out there to help
4 Chuck and his folks.

5 MR. WIGGINS: Yeah. I think the idea,
6 though, is they had at least a couple guys in an
7 advanced team. They are all on the way anyhow. We
8 spoke with him yesterday. I think (b)(6) said he was
9 sending people or Webster told him they are sending
10 people. We said head toward the embassy, go to Chuck,
11 and we'll take it from there at least at this point.

12 DR. JACZKO: Okay.

13 MR. WIGGINS: It's 4:00 a.m. over there.
14 We haven't woken Chuck up to see what's going on. I
15 guess the priorities, as has been through the entire
16 event, are to try to pierce through the veil that
17 appears to be surrounding any useable information,
18 complete information about the facilities and then
19 keep working on the dose effect. That kind of seems
20 to be the biggest field. Continue to facilitate the
21 consortium. Let's do what designs to.

22 DR. JACZKO: Do we have any update on the

23 (b)(4)

? Is that moving?

24 MR. WIGGINS: That's a good question.

25 MALE PARTICIPANT: It should have arrived

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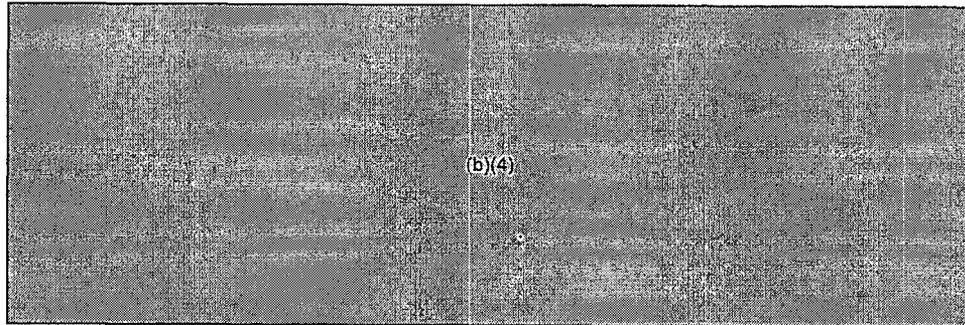
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1 in Japan.

2 DR. JACZKO: Okay.



8 MR. WIGGINS: We can put that on the list
9 to try to confirm that it got there when we get our
10 guys up.

11 DR. JACZKO: Good.

12 MR. WIGGINS: That's it. Anything else
13 for you, sir?

14 DR. JACZKO: No. Just taking a step back
15 for a minute, is there anything we're missing right
16 now? We focused on a couple of things but I just want
17 everybody just to take a step back and make sure that
18 there is not something we should be thinking about or
19 focused on that we're missing because we're focused on
20 a couple of specific things.

21 MR. WIGGINS: Maybe the best thing is we
22 spend about a half an hour brainstorming that amongst
23 ourselves. How about that?

24 DR. JACZKO: Yep. That will be good.

25 MR. WIGGINS: Okay.

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1 DR. JACZKO: Good work. Hopefully we'll
2 get to a point in which we can stand down from all
3 this but for now --

4 MR. WIGGINS: We're working on some
5 criteria. Michelle Evans is getting with the deputies
6 of the other five principal offices in there looking
7 at a retro-grade type criteria. I told her we're not
8 shooting for a one zero approach. We're looking for
9 kind of dialing back eventually to zero and looking
10 both at the site team and us and there may be
11 different criteria and going from a complete site team
12 to a partial to none and the same here.

13 DR. JACZKO: Okay.

14 MR. WIGGINS: They are trying to work
15 something up this afternoon.

16 DR. JACZKO: Can you add to that some
17 sense of criteria of when we would relax the 50 miles?
18 I think we have good criteria for when we would
19 expand it but we should also be looking at criteria
20 for when we would relax it.

21 MR. WIGGINS: Okay. We'll look at that
22 question. When Marty mentioned something like that to
23 me this morning, my first reaction to that is it
24 sounds like re-entry criteria to me rather than a
25 question of what you in an evac. Do you ever unevac

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1 or do you re-enter.

2 DR. JACZKO: Yeah.

3 MR. WIGGINS: It may be that -- I don't
4 know. I'll ask PMC to think about it. My general
5 guess of this is once you do it you don't undo it.
6 You don't adjust it. You just go back all the way
7 after the problem is gone. Do you know what I mean?

8 DR. JACZKO: Yes.

9 MR. WIGGINS: Otherwise you're moving it
10 in and out using everybody.

11 DR. JACZKO: Got it.

12 MR. WIGGINS: Okay. We'll let the PMT act
13 and we'll put it on the list and see if we can work
14 something up this shift.

15 DR. JACZKO: Okay.

16 MR. WIGGINS: All right, sir.

17 DR. JACZKO: Jim, you're coming on?

18 MR. WIGGINS: Yes.

19 DR. JACZKO: Okay. Good.

20 MR. WIGGINS: And Mike is here. He's
21 going off.

22 DR. JACZKO: Okay. Great. Thanks
23 everybody. Appreciate it.

24 MR. WIGGINS: All right.

25 (Whereupon, the call was concluded.)

26

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1 Time elapsed on FTR 4:09:54-4:10:10

2 (CONFERENCE CALL INITIATED)

3 JIM: Brian?

4 BRIAN: Hi. Hey, Jim?

5 JIM: Yeah.

6 BRIAN: Hey, a couple things. One is I
7 had a couple of take-aways from my call with
8 congressional staff at 3:00.

9 JIM: Okay.

10 BRIAN: I was wondering if I could get --
11 if a couple of your guys might be able to either just
12 jot down a couple answers on like a paragraph or two
13 that I've got to forward back to them.

14 JIM: Okay. Shoot.

15 BRIAN: Let me give you this real quick.
16 One if on Unit 4 I had repeated what Jennifer had sent
17 out that said that based on the decay heat levels in
18 the Unit 4 spent fuel pool, we didn't think that there
19 was going to be any oblation of concrete in the base
20 of the pool, the concrete floor.

21 JIM: Yes.

22 BRIAN: Andy Kaputo (phonetic) had
23 requested what was the basis for that statement. I
24 said I thought it was the fact that the temperatures
25 were low.

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1 JIM: Okay.

2 BRIAN: That it wouldn't really form
3 -- you know, interaction very vigorously with the
4 concrete.

5 JIM: That was my guess too.

6 MALE PARTICIPANT: That was the basis
7 cited in that email.

8 JIM: That was the basis --

9 BRIAN: But the question is obviously, I
10 mean, if you have fuel that is generating decay heat,
11 no matter how low it is, I presume unless it has some
12 sort of a heat transfer away from it that maintains
13 it. The thing is covered up and everything and there
14 is no escape path, you might say, for the heat and
15 it's just going to keep heating up.

16 JIM: I got that.

17 BRIAN: All right. So, anyway, the other
18 one was Laura from Senator Carper's (phonetic) office
19 said that she had a report that workers were evacuated
20 at Unit 3 due to high radiation and she wanted to know
21 what was going on and I said I didn't --

22 JIM: When?

23 BRIAN: I don't know.

24 JIM: There were people -- the story of
25 evacuating workers around Unit 3 got connected to this

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1 puff of smoke that came at 3:50 a.m. -- p.m. Japan
2 time yesterday. What did you tell her?

3 BRIAN: I just said I didn't have any up-
4 to-date information. I would have to get back to her.

5 JIM: That's what it was about.

6 BRIAN: All right. But we don't know what
7 the puff of smoke was. Right?

8 JIM: We don't know what the puff of smoke
9 was. We don't know any dose implications. We don't
10 know what the smoke was.

11 BRIAN: Right.

12 JIM: It sounds like they did it because -
13 - I'm not going to speculate. I'm not going to
14 speculate.

15 BRIAN: Yeah.

16 JIM: Larry, have we seen any -- we have
17 no information on dose -- changes in dose rates or
18 anything like that but probably more of that is
19 connected to the fact we don't have any more
20 information.

21 BRIAN: Okay. The last one was Avenil
22 Joseph (phonetic) from Congressman Markey's office
23 asked about smoke coming from Units 2 and 3.

24 JIM: Okay. That's true but they were
25 separated in time. They cut a hole and some steam or

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1 some white something or other came out several days
2 ago when they first gut the hole.

3 BRIAN: Right.

4 JIM: Unit 3 was the same today.

5 BRIAN: Okay.

6 JIM: What do you want?

7 BRIAN: I'm sorry?

8 JIM: What do you want?

9 BRIAN: I just want to know if we knew
10 anything about it.

11 JIM: We know what he knows. We saw the
12 smoke when it happened. Unit 2 was several days ago.
13 We heard they cut a hole. I read something later
14 that what they did is maybe jacked open a blow-out
15 valve or something like that.

16 BRIAN: Right.

17 JIM: Then they got something come out of
18 it. I remember seeing the video on that. Unit 3 was
19 connected to yesterday's (inaudible).

20 BRIAN: Yeah.

21 JIM: Neither of them do we have stories
22 on.

23 BRIAN: Okay.

24 JIM: If Markey would read his own letter,
25 we're suffering from the same problem he has.

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1 BRIAN: Yes.

2 JIM: A dearth of information.

3 BRIAN: Right.

4 JIM: He sent us the letter today asking
5 everything that we know, what do we know.

6 BRIAN: Right.

7 JIM: He's getting conflicting information
8 which is true. So are we.

9 BRIAN: Join the club. Right.

10 JIM: So are we.

11 BRIAN: Last item, Charlie Tinkler
12 (phonetic) is here. Do you still have a Naval
13 Reactors guy there?

14 JIM: We should. I haven't seen him but I
15 think he's over with the Reactor Safety Team.

16 BRIAN: I don't know whether I need you
17 engaged or whether I should go up the chain.

18 Charlie, why don't you quickly tell Jim
19 what's going on. We have an open mic.

20 CHARLIE: Sure. I guess it was last night
21 we started getting questions about what did we think
22 was happening in the spent fuel pool with regard to
23 the core concrete issue that you and Brian were
24 talking about.

25 JIM: Yes.

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1 CHARLIE: We were trying to be
2 cooperative. We told them what our thinking was, that
3 we made available to Naval Reactors the latest MELCORE
4 calculations to look at debris temperature, etc.

5 JIM: Yes.

6 CHARLIE: We gave them the very latest
7 information we had. Okay? Now we're getting an
8 abundance of questions about how did we do the models;
9 what are the models like; can you give us the MELCORE
10 nodalization; can you give us all the supporting
11 documents; can you give us reports. We're in
12 the process ourselves of trying to figure out this
13 question, the issue of core concrete interaction, the
14 potential for it. The extent you wish to read

15
16 (b)(5)
17

18 We gave them the best information we had.

19
20 (b)(5)
21
22

23 JIM: I can say this, though. We did
24 something that allows us to answer the sublation
25 question.

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1 CHARLIE: I'm sorry? I didn't hear the
2 first part.

3 JIM: We did something that allowed us to

4 [REDACTED] (b)(6)

6 [REDACTED] (b)(5)

9 time from the people that are continuing to look at
10 the issue doing the calculation.

11 [REDACTED] (b)(6)

15 JIM: They are probably listening. They
16 are embedded in the RSC. Maybe the solution is for
17 them to talk a little bit more to the RSC.

18 BRIAN: Yeah. I mean, that's really
19 -- I think the requests need to come in through the op
20 center and you guys need to decide the road of
21 priority and importance because Charlie is up to his
22 ears working on other stuff.

23 JIM: Where did the request come from?
24 How did you get the request?

25 [REDACTED] (b)(5)

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(b)(5)

JIM: How did you get it, Charlie?

CHARLIE: It came through the op center

(b)(5)

JIM: Yeah. And then it got detailed out to you.

CHARLIE: It either gets detailed to me or Jason. Okay? The problem is these are not canned calculations. These are not routine. These are first of a kind and we are working with CNDS staff on these

(b)(5)

We're just swamped. We do want to help

(b)(5)

more work to understand the calculation ourselves and the sensitivity to it and the sensitivity on certainty in the calculation.

JIM: Okay. What do you propose?

(b)(5)

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1 JIM: Put it on a list and work it
2 through. We'll put it on the action item list and
3 we'll work it.

4 CHARLIE: We're just asking them, you know
5 -- I understand their questions but they've got to be
6 patient. We're working through it right now.

7 JIM: Okay. All right.

8 BRIAN: Okay?

9 JIM: Yes. Next time we see RSD we'll
10 tell them we've got it on the list. What are we doing
11 otherwise? What are we doing in lieu of this?

12 CHARLIE: In lieu of this?

13 JIM: Yes.

14 CHARLIE: We're trying to start some
15 analysis for the reactors as well as the Unit 3 pool.

16 JIM: Okay.

17 BRIAN: I mean, the other thing, Jim, I
18 just got a request from Claire Kasputis (phonetic).
19 The commission is preparing this tasking for short-
20 term and long-term.

21 JIM: Yes.

22 BRIAN: They want by noon tomorrow an
23 estimate of resources that it's going to take to do
24 all this stuff. I'm up to my ears. I've got Jennifer
25 that's home sleeping. She's going to do the response

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1 center tonight. Kathy is over in the response center
2 tonight. She's home sleeping. I don't even have Rich
3 Korea (phonetic) over here yet. Eric Leeds is asking
4 me to go to this meeting with the Lt. Governor
5 tomorrow. I won't even have a chance to see this
6 stuff. I mean, we're just getting killed with
7 requests.

8 JIM: All right. Hold it, hold it. I
9 can't help you with --

10 BRIAN: I know that but what I'm saying is
11 we're getting killed with requests over here.

12 JIM: Hold on. I make things go away but
13 I can tell you you need to call Webber. Claire works
14 up there. You need to call Webber.

15 BRIAN: I'm not complaining about that.
16 All I'm saying is that I need Charlie to probably do
17 some looking in terms of trying to estimate resources
18 to do some of the work we're going to have to do for
19 the long-term.

20 JIM: Okay. All right. We're going to
21 put through a request that we got on the action list
22 and then we'll get to it (inaudible). All right?

23 BRIAN: Yes.

24 JIM: As long as you guys are -- as long
25 as you guys are confident, even in an engineering

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1 judgment sense, of the answer. In other words, you're
2 not slowly but surely eating your way through the
3 concrete at the bottom of the pool. If you're
4 confident of that based on all that we've done in the
5 past. I mean, Charlie did a lot of work after 9/11 on
6 this kind of stuff. Right?

7 BRIAN: Look, part of the reason is the
8 degree of confidence in this and the extent to which
9 the assumptions are causing the answer to be what they
10 are we want to look at a little more.

11 JIM: Yeah. Okay.

12 BRIAN: You've got to remember, too, we
13 repeatedly get questions for how the event could
14 further progress and the implications for the source
15 term for the PMT. All this is tied up in that as
16 well.

17 JIM: Okay.

18 BRIAN: Okay?

19 JIM: Yeah. I think we'll put the MELCORE
20 question (inaudible).

21 BRIAN: No, no. I appreciate that.

22 JIM: And then if -- this is wonderful. I
23 saw an email and I figured it was from Bill. The
24 chairman asked Bill to get the staff to start forking
25 on some of the preliminaries for this tasking. Right?

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1 The chairman is going to send it out but he did ask
2 Bill for help on that?

3 BRIAN: Right.

4 JIM: He asked him. Bill I saw in the
5 email wanted it assigned to Anderson, Tim. Now what's
6 happening is the boomerang is occurring. Okay?

7 BRIAN: Yeah.

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10 (b)(5)
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13 BRIAN: No, I understand. All I'm saying
14 is that most likely some of the work we would have to
15 do, okay, on the longer-term stuff it's going to
16 involve Charlie, it's going to involve my seismic

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18 (b)(5)
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he's doing.

21 JIM: Okay. Fine. Again, Brian --

22 BRIAN: I just want to point out --

23 JIM: Risking being redundant, which I am
24 usually, I'll just go again. If you guys are
25 reasonably confident with the answer you provided on

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1 the concrete oblation issue because that's where the
2 MELCORE popped up, your confident as a bottom line
3 that you should be okay to handle that on a slower
4 side scale.

5 BRIAN: What I'm trying to suggest is we
6 want to improve the confidence in that answer by
7 looking at this calculation more. That's why we are
8 pursuing it ourselves.

9 JIM: Right. I think we're all saying the
10 same thing.

11 BRIAN: Okay.

12 JIM: Being confident doesn't mean you're
13 going to spend your first born and your mortgage.

14 BRIAN: We're not trying to get the fourth
15 decimal point here. We're trying to get the first
16 significant figure here.

17 JIM: Okay. All right. I think you know
18 the basis of your first question, Brian.

19 BRIAN: Well, the problem is --

20 JIM: The first question that you had,
21 Unit 4 based on decay heat levels in Unit 4 didn't
22 expect any obligation to the concrete. Right?

23 BRIAN: Yeah.

24
25 JIM: I think the answer is that the staff

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1 used a computational code that is used in these type
2 of matters and projected the decay level in staff
3 judgment.

4 CHARLIE: I agree but it's a little more
5 complicated because how that fuel collapses. They've
6 only got two cores in that pool so it matters whether
7 or not when the fuel collapses if it collapses across
8 the pool or if it collapses in a small pile in a
9 corner of the pool.

10 Those kinds of things affect a calculation
11 like that because the more you spread it out, the more
12 easily it's cooled. I don't want to get into all that
13 detail but I'm saying there is some uncertainty in
14 that thing and we want to make sure we understand it
15 before we
16 go --

17 JIM: Charlie, I got that but, Brian, back
18 to your first question. What was the basis of the
19 statement, Kaputo's question?

20 BRIAN: The basis for the statement was --

21 JIM: I think my point is you've already
22 got the answer, Brian.

23 BRIAN: Okay. That's fine. I'll go with
24 it.

25 JIM: That's the answer. Go ahead and

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1 take that off the list. You've got it. It's sitting
2 next to you.

3 BRIAN: Yeah. Okay.

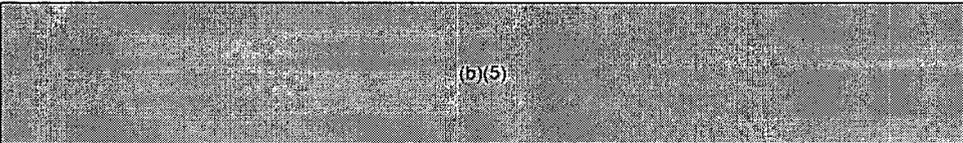
4 JIM: Then Carper's office, I don't know
5 how to get it to you, but the story about workers
6 evacuating Unit 3 --

7 BRIAN: You gave me the answer. I can
8 right it up, Jim. I've got everything I need.

9 JIM: All right. And the smoke, the Unit
10 2 was early in the event.

11 BRIAN: Right.

12 JIM: They said they put a whole in the
13 side of the containment. Either that or they popped a
14 blowout plate. When they did that it had some -- you

15 
16 (b)(5)

17 the story from last night.

18 BRIAN: Okay.

19 JIM: Okay. Marty and staff knows it's
20 tough to get the information. We're having the same
21 problems he is. It's not like we have our guys in the
22 field right there. All right?

23 BRIAN: We're good.

24 JIM: Okay. Thanks.

25 BRIAN: All right. Bye.

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(Whereupon, the call was concluded.)

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1 Time elapsed on FTR 4:28:08-4:40:15

2 (CONFERENCE CALL INITIATED)

3 MR. WIGGINS: This is Jim Wiggins. Good
4 evening. This is our 8:00 brief. As far as the plant
5 conditions are concerned, these have not appreciably
6 changed yet. Units 1, 2, and 3 are pretty static with
7 sea water injection continuing.

8 The containment integrity status I guess
9 you classify it as we still need to confirm it. There
10 was an earlier event of noise in Unit 2 that some are
11 taking as potentially a problem in Unit 2. Even if it
12 were, though, a problem in the source, that wouldn't
13 be a big problem as long as they maintain cooling in
14 the vessel you don't need the doors for certainly a
15 containment suppression activity at this point.

16 The news of the event has to do with gray
17 smoke and steam. We're getting reports, and some you
18 can see, smoke or steam emanating from Unit 3, and
19 also some from Unit 2. We picked those up in several
20 reports but we don't know whether they were
21 independently confirmed.

22 We have reports from the Japanese and from
23 DOE but they may all be the same report. That's part
24 of the issue here. You don't know whether you're
25 getting independent confirmation or you're getting

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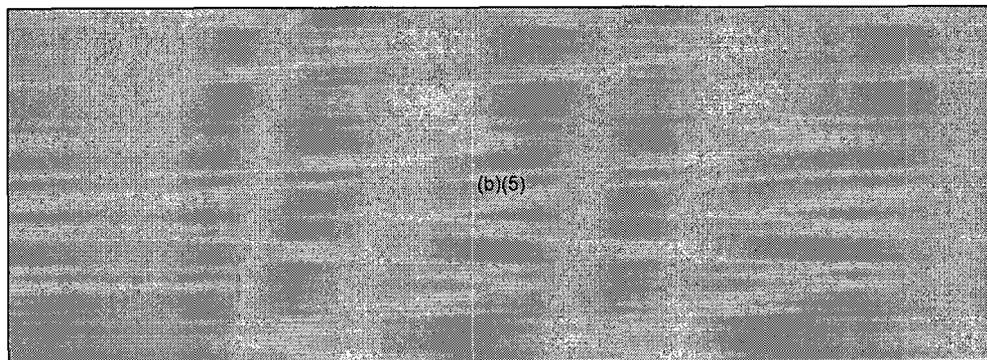
1 people just telling you something off the same source.

2 The way the story line works in 2 and 3 is
3 there's reports that people believe that TEPCO
4 believes it's steam. They had a temporary evacuation
5 of individuals from around the unit but that's been
6 undone at this point.

7 TEPCO has installed the AC power in Units
8 1 and 2 to a separate power panel. They are now
9 looking to run cables to selected equipment to see if
10 they can get those running. Unit 3 is planned and
11 cables are connected to a power center in Unit 4.
12 Units 5 and 6 remain the same with diesels running.

13 Dose rates no indication of significant
14 changes in the dose rates. Although you get reports
15 of some reduction, there is no real sustained reports
16 of increases. You may get occasional spike reading
17 somewhere that vanishes quickly, or you may get a
18 reading that actually when you look at more carefully
19 turns out to be not as bad as it was.

20 Particularly that applies to the off-site



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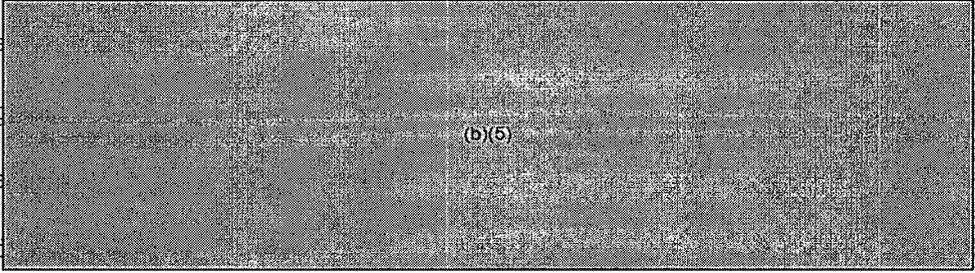
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1 originally reported which really places it well below
2 the PAGs.

3 That was a discussion that happened in the
4 early morning hours yesterday that the chairman was

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10 AMS points (phonetic) are grounded due to
11 bad weather. There are a couple of things on the
12 overall front; industry consortium. We had a call
13 today at 2:00. They are chomping at the bit to get
14 going. We've had reports of an advanced team of two
15 people on the way or already there trying to make
16 their way toward the embassy. Still the
17 chairman is making some phone calls because the
18 consortium is really asking for a government agency
19 that would be their lead coordinator and lead
20 facilitator. We've been trying to extricate ourself
21 from those types of situations in lieu of another
22 agency that is more experienced at tactical stuff on
23 the ground, implementation issues.

24 The chairman is making some phone calls to
25 try to see if we can get that agency identified. Then
we can provide it to the consortium which will calm

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1 [REDACTED]
2 (b)(6)
3 [REDACTED]
4 [REDACTED]

5 work out all right. It's just common sense that they
6 are ready to help and provide their ability to help.
7 There is some interest on the consortium's part to
8 have it, or at least an element of it, embedded in the
9 team that's being viewed as part of the U.S. team.

10 We just have to work through some
11 bureaucracy to make that happen. In terms of the

12 [REDACTED]
13 (b)(4)
14 [REDACTED]

15 the C17. It's got a mechanical (inaudible). The good
16 news is the second train actually flew out and landed
17 about 4:00 p.m. local time here, 4:00 p.m. eastern

18 [REDACTED]
19 (b)(4)
20 [REDACTED]

21 Couple important direction-setting
22 decisions were made this morning. The Navy who has
23 been concerned about doses has talked several times --
24 raised concerns several times about projections for
25 the dose and what needs to be done for the Navy

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1 [REDACTED]
2 (b)(5)
3 [REDACTED]

4 In terms of plume modeling, the
5 interagency group met today also in the situation
6 room. Out of it came the standard source term that
7 would be used. These are the hypothetical plausible
8 relief scenarios, or otherwise known as the bounding
9 reasonable model.

10 It turns out to be quite close to one of
11 our high-end but reasonable models that we've been
12 using. You may have heard the term super core. It's
13 quite close to the super core. That's a good thing.

14 We're also starting to look at a couple of

15 t [REDACTED]
16 c (b)(5)
17 w [REDACTED]
18 m [REDACTED]

19 [REDACTED]
20 [REDACTED]
21 t [REDACTED]
22 i (b)(5)
23 r [REDACTED]
24 l [REDACTED]
25 s [REDACTED]

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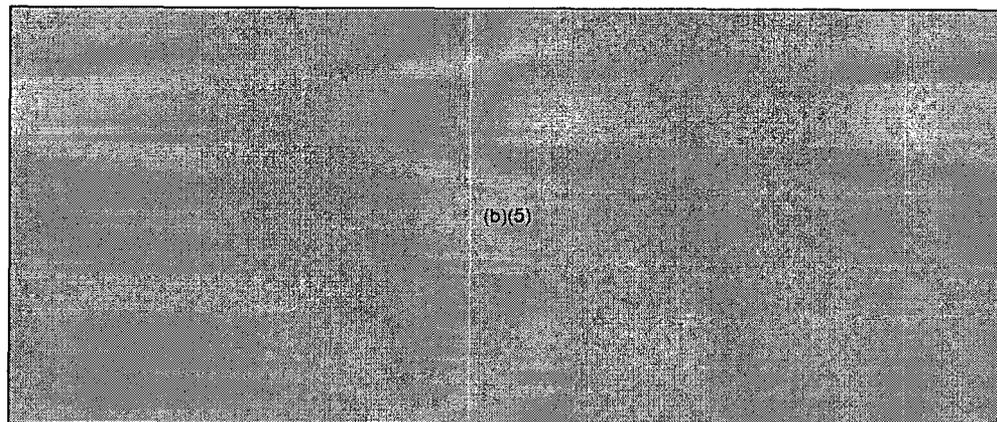
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1 review.

2 And we're doing a general recollection on
3 whether we have missed anything so we have a group of
4 people. The theory there is we've been focused on a
5 handful of items, whether it's what we spent in 2.5
6 days to try to decide on a source term. We've spent a
7 lot of time trying to get details about plant
8 parameters at basically the four units that we focused
9 on.

10 We're asking ourselves are we missing
11 anything. For instance, you could say are we sure we
12 put to bed 5 and 6 in the composite fuel pool.



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19 That's the end of the prepared
20 presentation. We'll take questions. Any questions?
21 It's a little late tonight.

22 MR. CASTLEMAN: Jim, this is Pat
23 Castleman. I have a question on the spent fuel pool.

24 The sit rep indicates that water is being added to
25 the spent fuel pool. Do we know if that is fresh

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1 water or sea water?

2 DAVE: This is Dave (inaudible). As far
3 as I know they don't have any fresh water yet. If
4 they're adding anything, it's still sea water.

5 MR. WIGGINS: Pumping from trucks.

6 DAVE: Okay. Great.

7 MR. WIGGINS: There's no systems. It's
8 all pumping from trucks.

9 DAVE: Okay. That's good to know. Then
10 the next question I have, do we have any hard
11 information on doses at the site and then the environ?

12 MR. WIGGINS: The answer to that question
13 is always going to be no. If you ask for hard
14 information, the answer is always going to be no.

15 DAVE: Okay.

16 MATT: We have varying reports. We have
17 some numbers in there. We got something that was from
18 Japan that had doses around 3 and 4 that were 10 and
19 15 rem on the outside. I'm not exactly sure. I
20 presume this was on the ground level. They move
21 around. There are single-digit rems and fractional
22 rems of almost 1. I guess I would say like 1 to 15 rem
23 around the areas to try to characterize.

24 DON: Matt, this is Don (inaudible), the
25 Protective Measures Team Director. We got some

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1 additional survey data. It's not the same place of
2 some of the other data so you can't say whether
3 something has gone up or gone down because you know
4 the different locations.

5 We conclude that there hasn't been a
6 substantial change because this survey data did not
7 include the point that earlier had (inaudible) between
8 the buildings so we don't know whether that changed or
9 not.

10 We've gotten another update on the set of
11 monitoring points which is in that arc west of the
12 facilities. Those are still sitting in roughly the
13 same location so there hasn't really been a lot of
14 change in the radiological conditions.

15 MALE PARTICIPANT: Okay. That's good to
16 know. Thank you.

17 Next question regarding -- it's related to
18 this -- is do we have any information at all about
19 radiation health effects? For example, we've received
20 report several days ago that there were -- that some
21 folks had received lethal doses. Do we have anything
22 on that in terms of occupational or also public doses?

23 MALE PARTICIPANT: No.

24 MR. WIGGINS: We have no occupational
25 monitoring information whatsoever. The only thing

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1 that we have in terms of the public is the AMS
2 overflight survey data and very spotty bits of an
3 environmental survey that somebody's found in the
4 spinach and milk and stuff.

5 MALE PARTICIPANT: Probably the more
6 provocative stuff are the bugs operating the fire
7 trucks. They are the ones that have been up the
8 closest to these things. We don't have anything on
9 that.

10 MALE PARTICIPANT: Okay. Thank you.

11 MALE PARTICIPANT: Again, we are operating
12 under a real shortage of information.

13 MALE PARTICIPANT: That's been the problem
14 all along, I guess. Anyway, we really don't -- do we
15 have any idea of what the cause was of the smoke? I
16 mean --

17 MALE PARTICIPANT: No.

18 MALE PARTICIPANT: No idea? Okay.

19 MALE PARTICIPANT: We can't even tell the
20 difference between smoke and steam. Some reports that
21 there is no smoke, it's all steam. You can't really
22 tell.

23 MALE PARTICIPANT: It depends on what you
24 want to look to see. You watch the NHK you get one
25 story. You take a look at information from an

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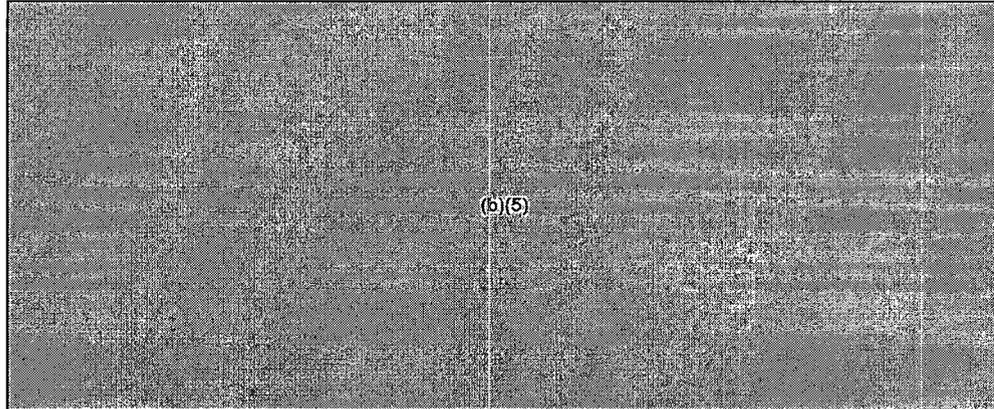
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1 organization called Japan Defense Intelligence
2 Headquarters. That seems to suggest that it's steam
3 from both 2 and 3.



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10 MALE PARTICIPANT: Okay. That makes
11 sense. Regarding the meteorological conditions, I
12 guess the wind is still kind of off-loading off shore
13 and on shore.

14 MALE PARTICIPANT: Yeah.

15 MALE PARTICIPANT: Do we have any
16 projections on whether or not that's going to change?

17 MALE PARTICIPANT: Meteorological forecast
18 has winds out of the north at the moment shifting to
19 out of the northeast. This afternoon in Japan for some
20 number of hours, which would actually bring it over
21 land, and then by midnight in Japan shifting back to
22 offshore continuing the following day.

23 MALE PARTICIPANT: That is pretty similar
24 to (inaudible).

25 MALE PARTICIPANT: Okay. Good. Thank

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1 you.

2 MALE PARTICIPANT: All right. Anything
3 else?

4 JOHN: Yes, John from Region I.

5 MR. WIGGINS: Yes, John.

6 JOHN: Between the 6:00 report and the
7 1800 report I see that Unit 2 and 3 RCF dropped quite
8 a bit. Do we know if they vented?

9 MR. WIGGINS: No information on venting.
10 We don't think they did.

11 JOHN: I think the source is the exact
12 same place and time. Do we even think these are good
13 measurements?

14 MR. WIGGINS: Hard to say, John. These
15 are -- the sources of these are not -- it isn't what
16 you would be comfortable with. It's not like we would
17 have here where we're getting earth data or the
18 licensee is actually telling us something. We have
19 some history with the licensee so we can basically
20 have some confidence in what they're saying.

21 There are several layers of problems that
22 you try to get through. Probably we don't have a lot
23 of people around the facility anyhow. They lost a lot
24 of their instrumentation and they lost power. You got
25 Tokyo Electric. You've got the defense ministry.

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1 You've got cultural issues that are affecting this.

2 One of the lessons coming out of this is
3 that you can see how some cultural differences can
4 affect your ability to get some reasonable
5 information. If you don't get a good relation to
6 start early, then you continue to struggle this way.

7 JOHN: Okay. I just wanted to make sure
8 we didn't see if there was any real significance to
9 what those numbers were doing.

10 MR. WIGGINS: You can speculate if you
11 think Unit 2's puff is actually steam. That's the
12 unit that had the last noise in the taurus area in the
13 beginning. You can postulate that it's a taurus
14 problem and you postulate the taurus is heated up for
15 some reason. You can say that could be a source of
16 steam. I can guess all night and not really get us
17 anywhere.

18 MALE PARTICIPANT: Do you have the duty
19 all night, Jim?

20 MR. WIGGINS: Just eight hours until
21 11:00.

22 MALE PARTICIPANT: Okay.

23 MR. WIGGINS: We're at 24/7 though.

24 MALE PARTICIPANT: Thank you.

25 MR. WIGGINS: Okay. Anything else?

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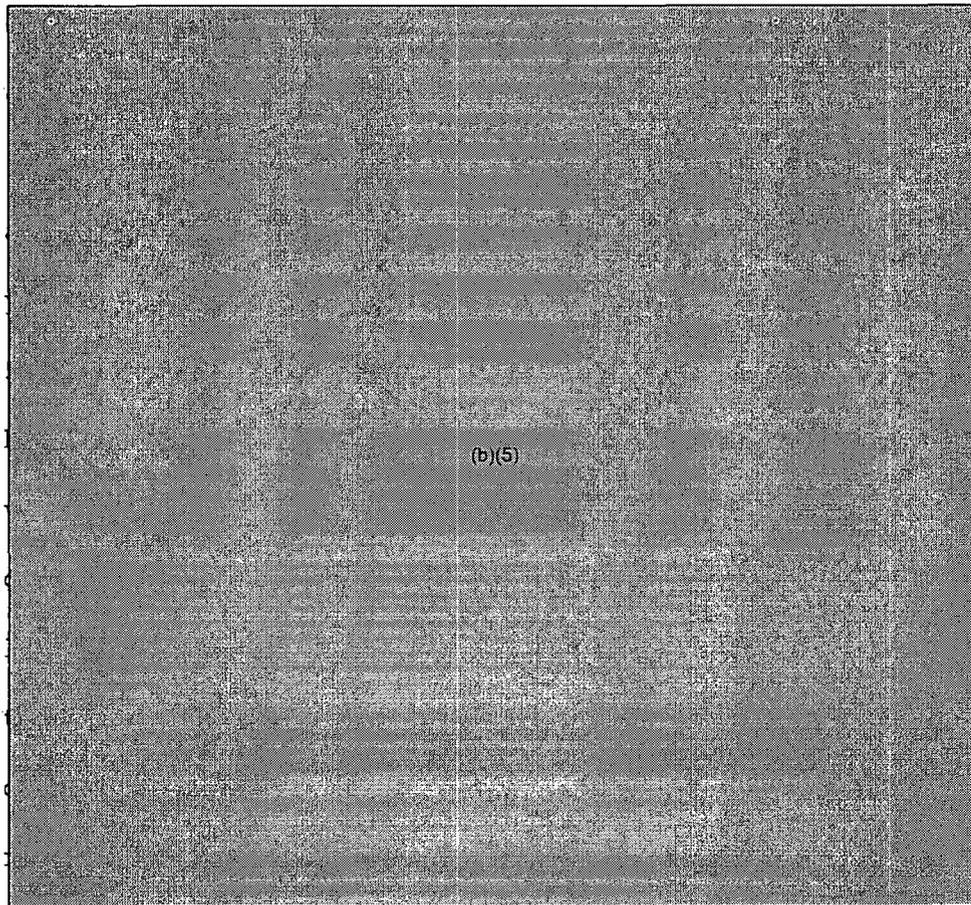
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1 BILL: One question, Jim. This is Bill.
2 The reentry criterion, what are you looking at?

3 MALE PARTICIPANT: In short, Bill, I'll
4 give you a synopsis of what we've got. If we were in
5 the United States, we would expect the plant



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18 some confidence in that.

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20 You've got to have some actual field
21 measurements out there of what we've got, where you
22 can go and not go. We know based on AMS data that
23 there are some areas that you should not go because
24 they exceed the short-term PAGs or the intermediate-
25 term PAGs at the moment based on the overflight survey

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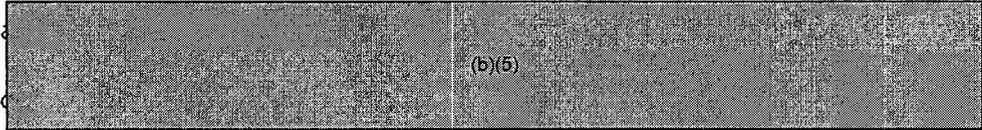
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1 data.

2 Third, you've got to have some QA
3 validation of that. Right now what few numbers I get
4 I've got about as much stuff as I can throw a lead
5 brick at which isn't all that far.

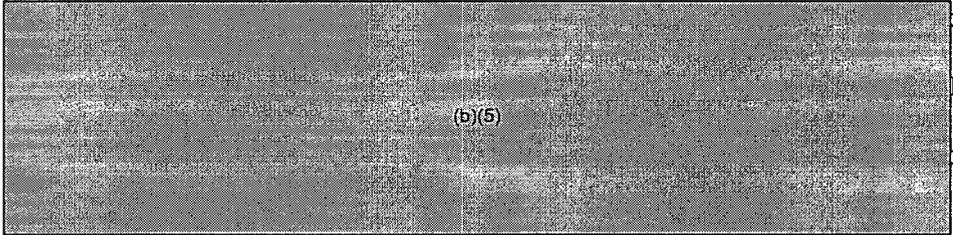
6 Then you've got to do that cross-connect
7 with the various protective actions and then we could
8 suggest if we had all the pieces that it would be
9 appropriate to back away from what we suggested to the

10  (b)(5)

11 because they would be responsible for the survey data
12 we would have to have some validation.

13 Those would be the core criteria points
14 which are as much process decision points as they are
15 information to get us to be able to say, yeah, we can
16 relax.

17 MR. WIGGINS: It's a pretty high hurdle

18  (b)(5)

19 MALE PARTICIPANT: Twenty kilometers.

20 MR. WIGGINS: Yeah, that might be a
21 useable first step. As Don said, it's a pretty big
22

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1 gulp that needs to be gotten across.

2 MALE PARTICIPANT: May I ask where is IAEA
3 on this? We are in sync with them? Are we in the
4 lead, they in the lead, or what?

5 MR. WIGGINS: In IAEA there's a couple
6 senior people do a flyby and a couple technical people
7 but not consequential.

8 MALE PARTICIPANT: Okay.

9 MALE PARTICIPANT: I am not aware that
10 they have made any recommendations or alternative
11 suggestions on re-entry, protective actions, or
12 otherwise.

13 MR. WIGGINS: The information I had
14 earlier yesterday, or what I heard, is IAEA would need
15 to be requested before they would do much more.

16 MALE PARTICIPANT: All right. Thank you.

17 MR. WIGGINS: Anything else? All right.
18 Thank you. See you at 8:00 tomorrow morning.

19 MALE PARTICIPANT: 8:00 or 7:30?

20 MR. WIGGINS: Whatever it is.

21 MALE PARTICIPANT: 7:30 in the morning.

22 MALE PARTICIPANT: All right. Thanks very
23 much.

24 MR. WIGGINS: Okay.

25 (Whereupon, the call was concluded.)

26

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1 Time elapsed on FTR 4:51:43-4:52:24

2 (CONFERENCE CALL INITIATED)

3 MR. CASTO: Mr. Casto on the ET bridge.

4 JIM: Hey, Chuck. How are you?

5 MR. CASTO: Okay. How are things going
6 back home?

7 JIM: Well, we are just thrilled to
8 support you.

9 MR. CASTO: I can hear the enthusiasm just
10 gushing.

11
12 m
13 s

(b)(5)

14 MR. CASTO: We're going to try to get some
15 better data today. We have a couple embeds over at
16 NISA so maybe we can get some real information.

17 JIM: Yeah. The current du jour is we

18
19 (b)(4)
20

21 MR. CASTO: So it's two aircrafts to get

22
23 (b)(5)
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25

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(b)(5)

1
2 of it that landed.

3 MR. CASTO: The other part, I think, is
4 supposed to land. I got a time on that.

5 MALE PARTICIPANT: It's about 1700 your
6 time.

7 JIM: Seven more hours.

8 MR. CASTO: Yeah, I wrote that down.
9 That's the other aircraft that broke.

10 JIM: It was the first aircraft that
11 broke. Did you get anything on the smoke or steam out
12 of Units 2 and 3?

13 MR. CASTO: No, not really. They are
14 going to see if they can pick up anything over at NISA
15 but it looks like hydrocarbon dust.

16 MALE PARTICIPANT: Black smoke?

17 JIM: Hydrocarbon smoke?

18 MR. CASTO: Yeah. I just told them up
19 (b)(6) I said, "You know, for
20 us it looks like hydrocarbon." A lot of lube oil in
21 those recirc MG sets in that building. In that
22 building the recirc MG sets are in the reactor
23 building so, you know, if something got hot or
24 something, you know.

25 It's hydrocarbon. It doesn't look like

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(b)(5)

1
2 zerk fires is what we're worried about and that
3 doesn't look like a zerk fire from what we've been
4 told.

5 JIM: I would think it would look a little
6 bit blacker than it was. All right.

7 MR. CASTO: Well, it's carbon. It's
8 likely carbon either way.

9 JIM: I would call that soup. This
10 organization, Japanese defense intelligence
11 headquarters, was pushing around a report that it was
12 steam coming off of Unit 2 (inaudible). There is a
13 DOE report that says nearly the same thing.

14
15 (b)(5)

16 JIM: That's what I'm thinking.

17 MR. CASTO: Yeah. We're good at that
18 around here.

19 JIM: You got an opinion on the smoke from
20 2?

21 MR. CASTO: No. Not until we get some --
22 we're talking to TEPCO and NISA. We're with them as
23 we speak so we're hoping to get some intelligence.
24 Some real intelligence rather than real speculation
25 which we get a lot of.

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1 JIM: All right. Different subject but
2 it's all alike. When Michelle asked you the type of
3 people you wanted, you indicated you wanted an
4 explosives guide?

5 MR. CASTO: Yeah. At that time we were
6 looking for somebody with BDA experience but, you
7 know, everything changes in a day here.

8 JIM: You're getting one. Ralph Wade is
9 coming.

10 MR. CASTO: Yeah. That's okay. Also what
11 we're concerned about is the structural resources. We
12 really don't see at this point any need for that.

13 JIM: He's on his way but he hasn't left
14 yet but Thursday. You can turn it off if you want. I
15 was just putting 2 and 2 together and got 8, you know.

16 With the blasting that happened in there, you might
17 want to blast damage guide and tell you what the
18 impact is on the supports for the cools or something
19 like that, that kind of a guesstimate. Ralph worked
20 with Said through the civil guide, the structural.

21 MR. CASTO: There was some structural done
22 on weight with sand. We'll put him to work on --

23 JIM: That's what I thought, too. If you
24 started thinking about sand and increase the weight of
25 the pool kind of relatively high up in the building,

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1 you might want to know what the supports will take.

2 MR. CASTO: Right. They've got a lot of
3 boron. I think what we're going to tell them, or
4 basically tell them, if you're worried about
5 criticality, then it never hurts to drop boron.
6 That's fine. Can't hurt unless you fill the pool up,
7 if there's a pool there, with too much boron. That
8 helicopter can't pour too much of anything on it.

9 JIM: As an aside I find that Ralph has
10 got good interpersonal skills and knows how to
11 interact with the --

12 MR. CASTO: That's why we were good with
13 him. It was the other two that --

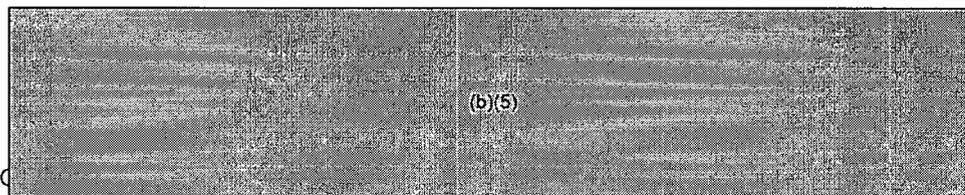
14 JIM: I figured he spent a couple of years
15 in the country.

16 MR. CASTO: Yes. We were good with him.
17 We understood that.

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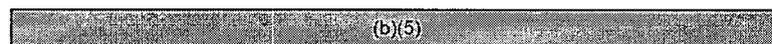
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JIM: I was going to ask you what's your
thoughts about having him become part of the team or
working with the team? What were you thinking about
that, Chuck?



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(b)(5)

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5 The unfortunately part about this whole
6 thing is the conference room we have doesn't have a
7 door on it. People just invite themselves into
8 meetings and into our conference room all the time to
9 see what the latest is, you know.

10 JIM: That's better than being in the room
11 without a door so you can't get out. You can look at
12 it two different ways. There is always a bright side.

13 MALE PARTICIPANT: Did INPO send one
14 person or two, Chuck?

15 MR. CASTO: All I got was Al Hochavar
16 (phonetic) name. That's all.

17 JIM: I was under the impression there was
18 a couple people but that could be wrong. Everything
19 has been wrong.

20 MR. CASTO: All I saw was one name, Al
21 Hochevar.

22 JIM: We had that phone call 2:00 our time
23 with the consortium people. There is going to be a
24 call 10:00 a.m. our time which is like 0 dark thirty
25 your time. Today's was at 2:00 because of the

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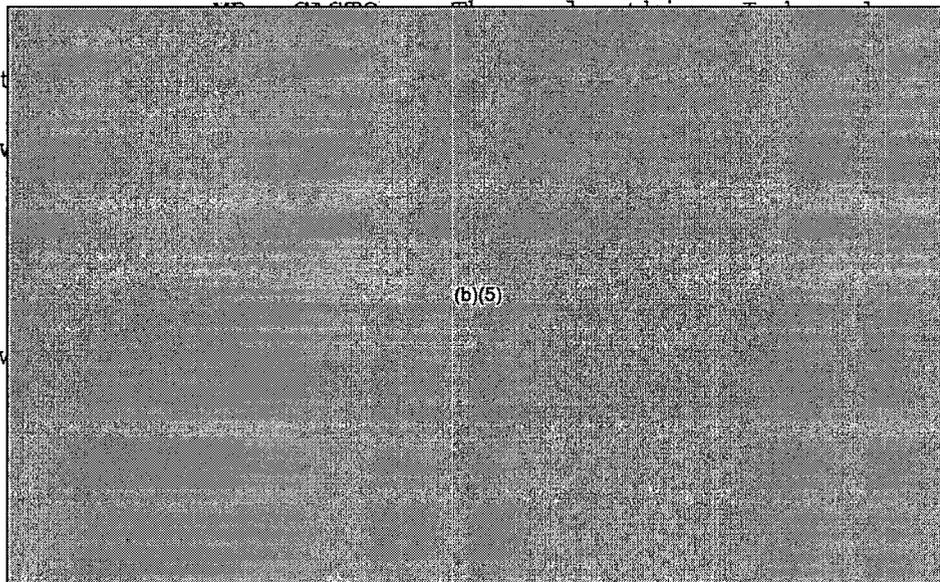
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1 commission meeting.



18 with us. When I heard that there was a legal team
19 stood up to analyze how that would work, I gave up on
20 it because I knew what would happen then.

21 JIM: Did they give you a hint as to what
22 the legal objection or whatever was?

23 MR. CASTO: Well, I mean, I guess -- I
24 don't know. You know, this is such an odd situation.
25 You can't tell if this stuff is predecisional. You

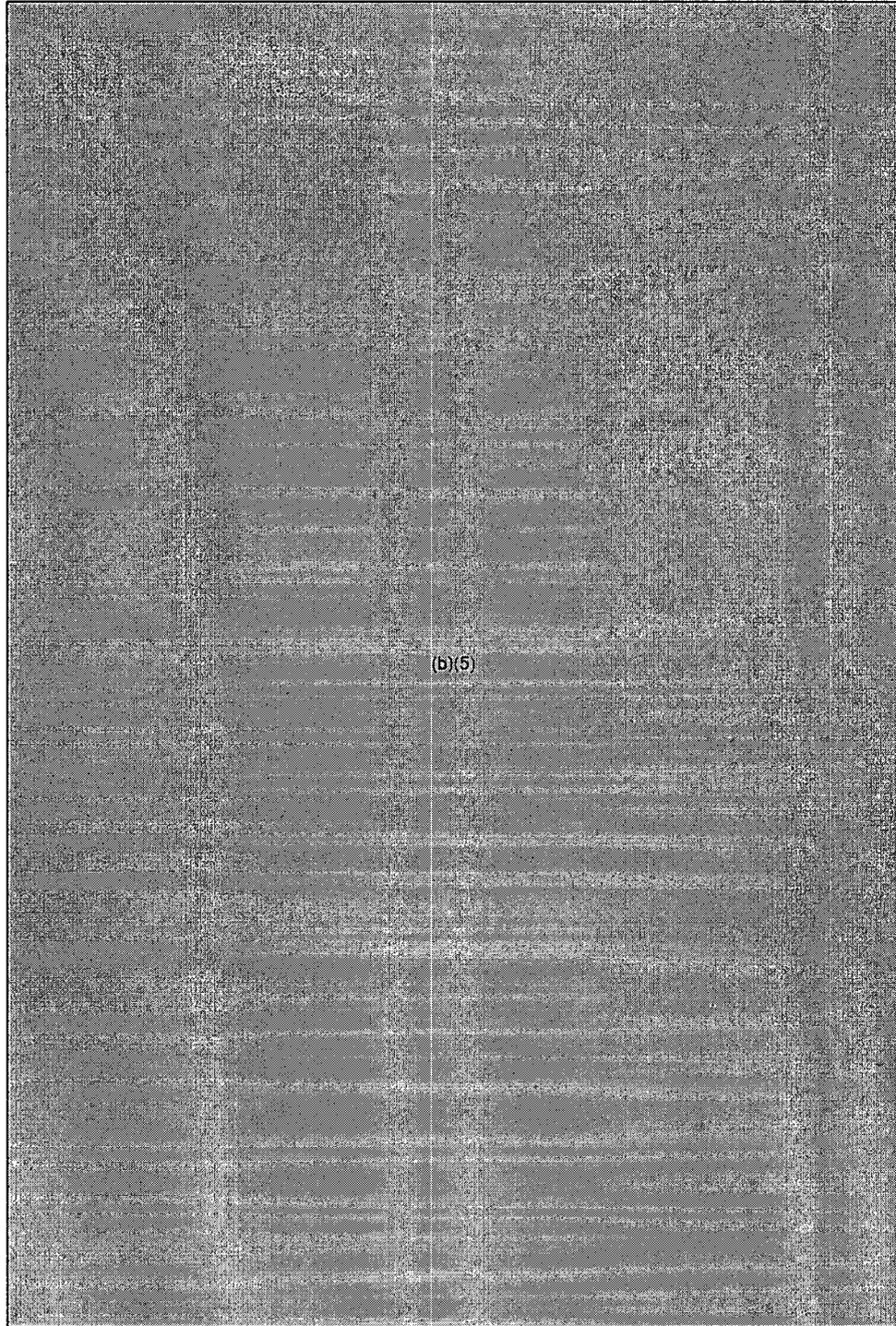
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1 can't tell if there is OUO. You know, there's -- if
2 you start thinking about it, you could wrap your head
3 around it, you know. You could wrap yourself up in
4 knots.



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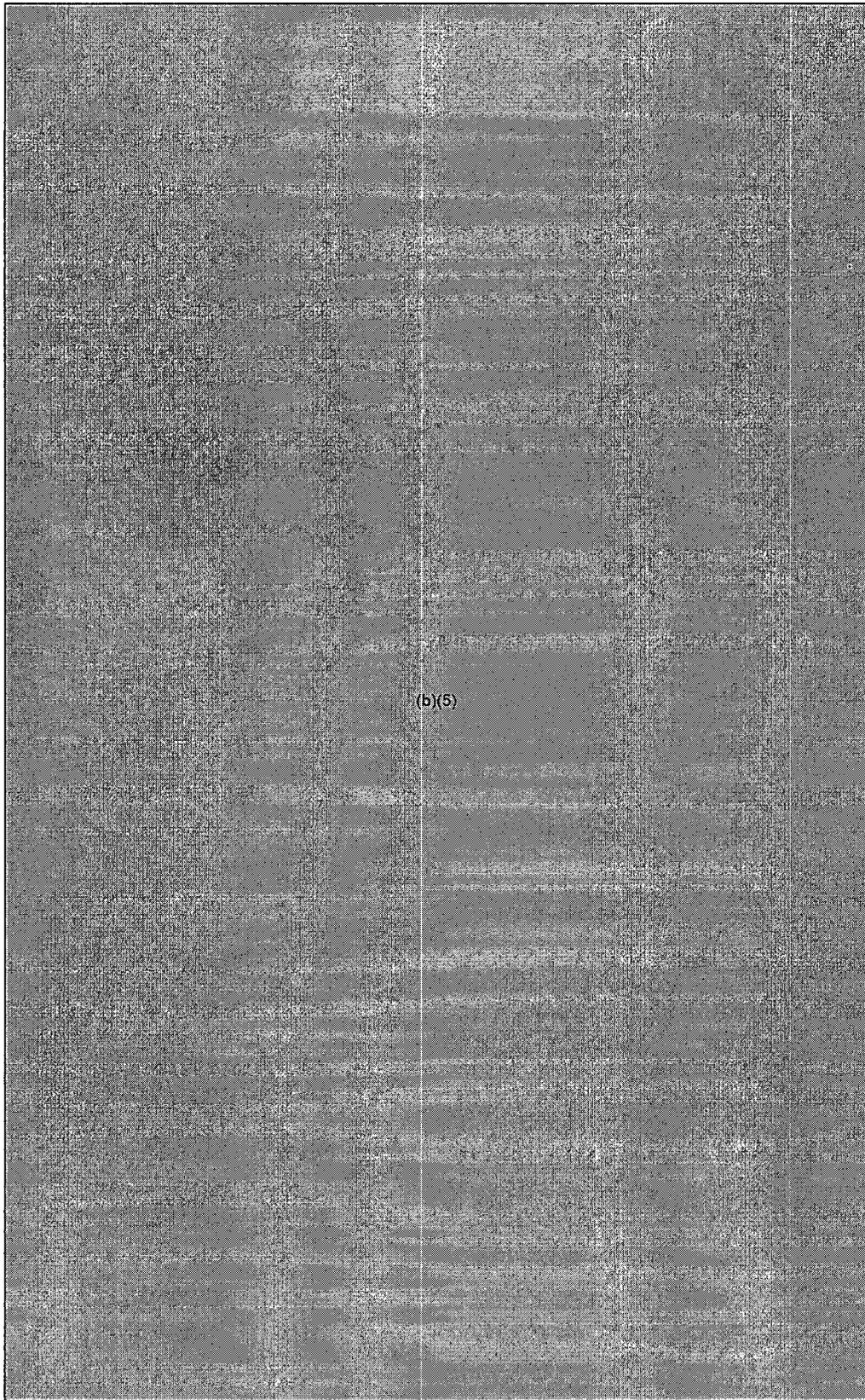
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1 Japanese, too.

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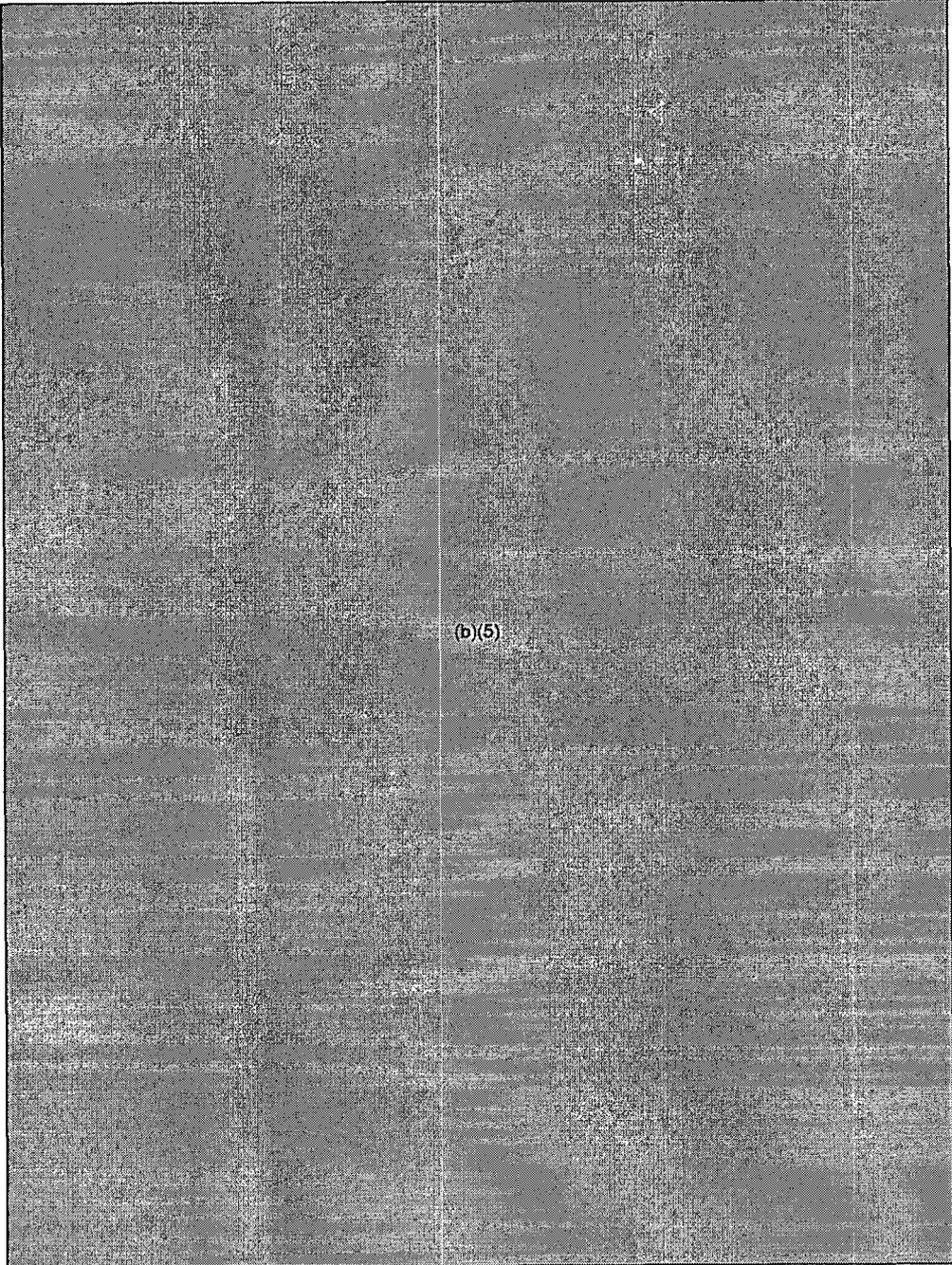
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1 you, Jim.

2 JIM: I don't know if I'm followable at
3 this point. Over the last several days there's been a
4 desire from Bill Borchert, probably Marty, too, and
5 Bill was able to get the chairman signed up on a



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JIM: Yeah. But, you know, maybe DOE or

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1 someone else that has real physical brick and mortar
2 access might be better able to play in that regard.

3 MR. CASTO: The room emptied out a little
4 bit. Let me put you on speaker. There's all that
5 logistical stuff we would like to hand off. Whether
6 it's getting robots or getting pumping machines we
7 would like to hand that off.

8 JIM: Yeah, getting robots, pumping
9 machines, PCs, any contamination clothing, personal
10 contamination clothing, meters.

11 MR. CASTO: I think Rick was working on
12 that last night.

13 JIM: Yeah. That was the request. That
14 kind of stuff. We don't have any of that. We'd have
15 to go somewhere else. All right.

16 You called. What did you want?

17 MR. CASTO: I think I was just checking
18 in. Do we have anything for the bosses?

19 DAN: This is Dan. We had some
20 interaction with the PMT this morning. We're trying

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23 (b)(5)
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1 MR. CASTO: That's good. Hopefully we'll
2 make some progress on that but we're trying to work

3 [REDACTED]
4 [REDACTED] (b)(5) [REDACTED]
5 [REDACTED]
6 [REDACTED]

7 JIM: That's a noble intent, my friend.

8 [REDACTED] (b)(5) [REDACTED] left the
9 staff meeting and he obviously wants all that stuff
10 harmonized.

11 JIM: Nothing is more effective than a
12 general or an admiral with a telephone. You got some
13 kind of a commander they are not going to screw around
14 with the underlings.

15 MR. CASTO: Just a status update, I guess.
16 Everyone is out. There's a lot of meetings going on
17 right now. A big TEPCO meeting on salt and
18 criticality, hydrogen, [REDACTED]

19 [REDACTED]
20 [REDACTED]
21 [REDACTED] (b)(5) [REDACTED]
22 [REDACTED]
23 [REDACTED]

24 [REDACTED] They could probably start part of the
25 assembly but they need the rest of the pieces.

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1 MR. CASTO: Right. Then we have people at
2 NISA. I think we have two people at NISA today. Then
3 we have this big meeting on salt and criticality.
4 There's a crisis manage meeting at 1:00. That's over
5 at Conte (phonetic). That will be a big group from
6 all the ministries. That's at 1:00. Then we're
7 taking the afternoon off. We're just going to shut
8 down and get nine in.

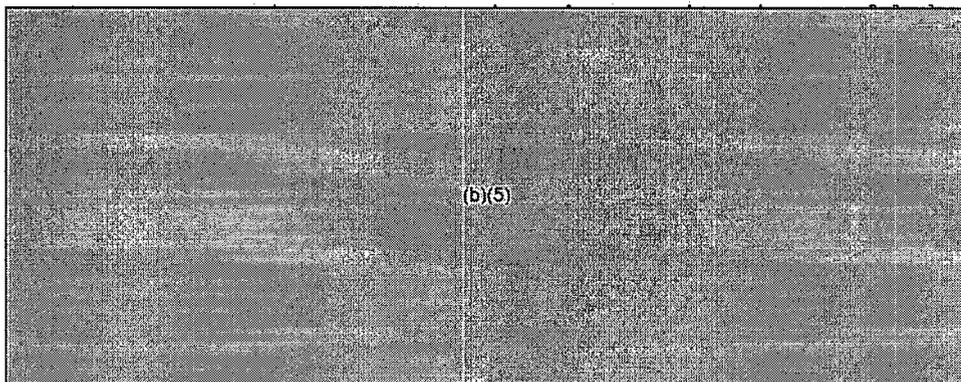
9 JIM: Yeah. Sounds like a good idea to
10 me. Fat chance.

11 MR. CASTO: We're going to take a half a
12 day today. We usually try not to work more than seven
13 hours.

14 JIM: You try to work no more than 24
15 minus 7. Right?

16 MR. CASTO: That's right.

17 JIM: Okay. Even that we can wake you up
18 when we have to. We're working on a couple of



25 going to point, though, Chuck, to real fuel data in

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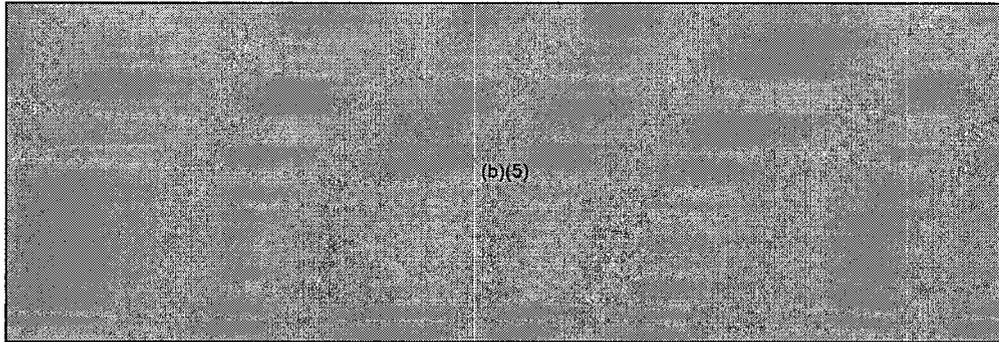
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1 the area.



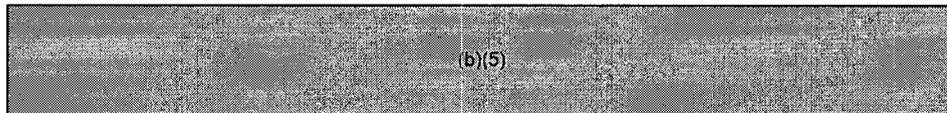
7 south.

8 JIM: Won't they need to be on the ground
9 and not just -- they are going to need samples on the
10 ground, not just in the air. (b)(5) voice
11 for that?

12 MR. CASTO: Yes, that's what they've been
13 doing. They've been doing ground samples.

14 JIM: Okay.

15 MR. CASTO: They've been doing them down
16 south so they have real data. And in the north and
17 they are plugging that into everybody's model. I



20 MARTY: Tony Huffer (phonetic) had
21 something. I'm not sure what he was working on but it
22 (b)(5) generated data.

23 MR. CASTO: About 20,000. It stopped
24 smoking.

25 I'm sorry, Marty. We had a side

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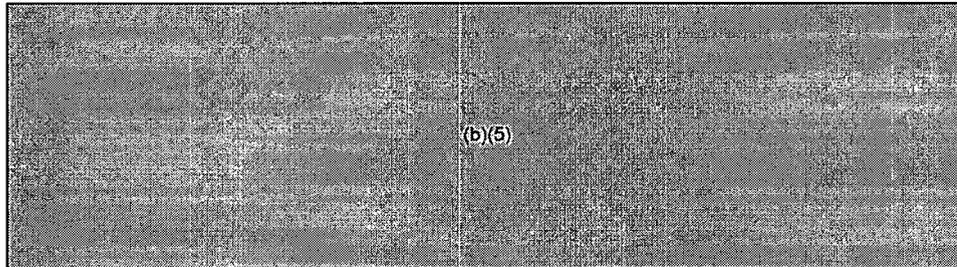
1 conversation.

2 MARTY: That's okay. I know what I wanted
3 to ask. Chuck, I had read a report that IAEA was out
4 there collecting field data. Did you pick up anything
5 on that?

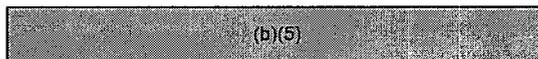
6 DAN: This is Dan, Marty. I've seen a
7 report that they had two people out here somewhere
8 collecting data but we haven't seen any of it.

9 MARTY: Okay. Thanks.

10 MR. CASTO: Then the other good news is

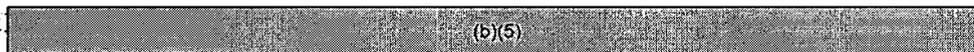
11  (b)(5)

15 people down here in a conference room. Our friends at

16  (b)(5)

17 JIM: That may be a vicarious --

18 MR. CASTO: Yeah, it's one of those

19 t  (b)(5)

20 staff asked about it this morning.

21 JIM: This probably traces all back to
22 that conversation you and I had the other day, the
23 relationship conversation.

24 MR. CASTO: Yeah, yeah.

25 JIM: Just like we're getting the

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1 technical data. It appears to be information that's
2 confirming, confirmatory. It's actually things just
3 checking on itself. You have one data point and it's
4 going all over the place.

5 MR. CASTO: Right. And coming back.

6 JIM: Yeah.

7 MR. CASTO: Yeah.

8 JIM: Then, you know, it's like little
9 kids around the table when you start getting a message
10 it gets altered and expanded. Now from some initial
11 bad feelings possibly now they completely walked out.

12 They are not telling you anything. I heard that,
13 too.

14 MR. CASTO: Yeah. There's some other
15 context as well but some day we'll talk about it. You
16 know, all that information is not in context.

17 JIM: Yeah.

18 MR. CASTO: People take things out of
19 context.

20 JIM: Yeah. That's why we used to
21 require, I guess we still do, an emergency response
22 for licensees. It's called rumor control.

23 MR. CASTO: Yeah. Hey, Marty, did you
24 forward any of those reports on? Might I ask or
25 should I ask?

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1 MARTY: The ones that you sent me this
2 morning?

3 MR. CASTO: Well, I don't remember. Last
4 night we sent them.

5 MARTY: Yeah. I asked Bill Borchert and
6 Mike Webber to read them.

7 MR. CASTO: Okay.

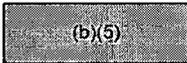
8 MARTY: I don't know if they got a chance
9 to.

10 MR. CASTO: Okay. We were just curious.
11 I mean, it's your business but we were just asking
12 about it.

13 MARTY: I found them very helpful. It
14 wasn't a lot to read. It was short.

15 MR. CASTO: Yeah, they are short.

16 He's talking about the stuff you sent.

17 Brooke said there's something in there
18  as well.

19 MARTY: Yes, there is.

20 MR. CASTO: Okay. Just wanted to make
21 sure. And, Marty, I guess I would call that a sample.
22 You know, there are a lot of reports.

23 BROOKE: We haven't read them for today.

24  (b)(5)
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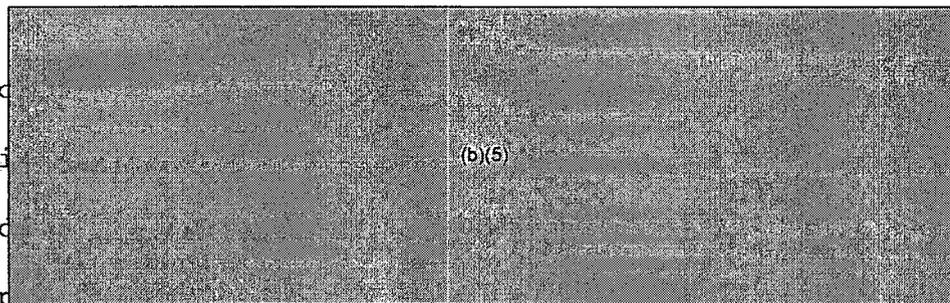
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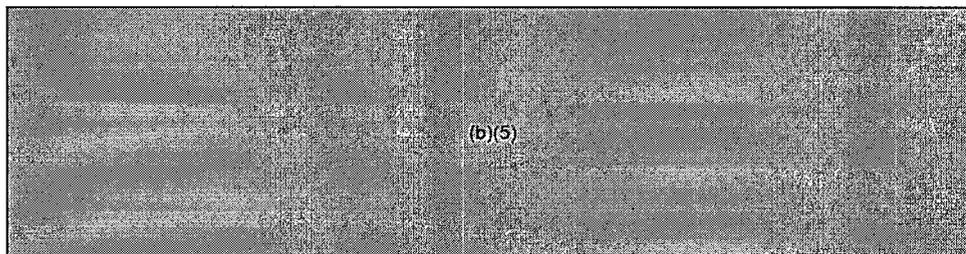
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1 much original information. I don't know how I got it.

2 It just came into the office. It came into the room.



8 JIM: Our guys are on the phone right now
9 with your guys and TEPCO, Chuck, so they will get to
10 the bottom of it. If there is some analysis once they
11 know some more specific, we'll try to get that and get
12 it back to them.



17 JIM: At some point, though?

18 MR. CASTO: I didn't push him for that.

19 JIM: There is no essence of time in this
20 or not?

21 MALE PARTICIPANT: I think part of the
22 discussion they're having right now, Chuck, is what
23 kind of time frame are we talking. We really need
24 them to switch over to fresh water.

25 MR. CASTO: We talked about whether they

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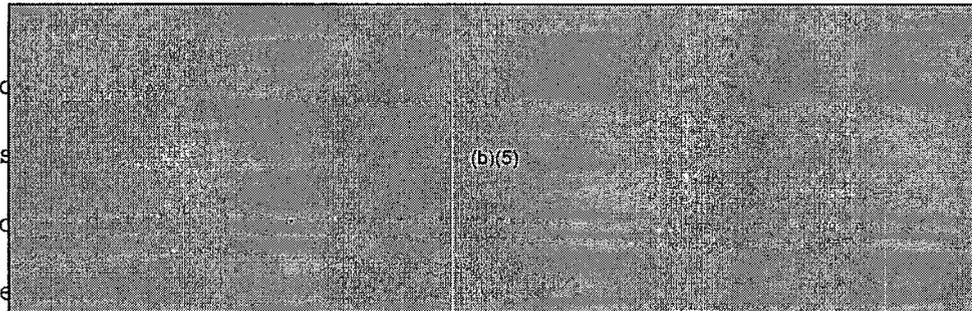
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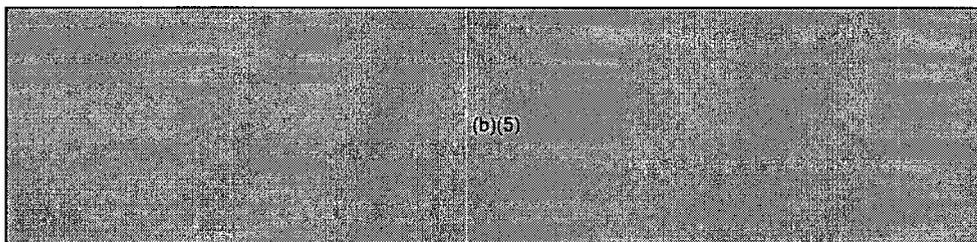
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1 should -- it probably doesn't hurt if they can add
2 boron to add boron with the fresh water.



8 MR. CASTO: And you've got all that salt
9 in there, too. I don't know. I'm not a chemical
10 engineer.



15 MR. CASTO: Great. That's what they need.

16 MALE PARTICIPANT: Yes.

17 MR. CASTO: Sounds like that part of the
18 deal is productive. It's just taking us a while to
19 get to it.

20 MALE PARTICIPANT: I understand.

21 MR. CASTO: Okay. If there is anything
22 you can do for us, let us know. I mean, if there is
23 anything we can do for you, let us know.

24 MALE PARTICIPANT: That too.

25 MR. CASTO: We'll talk soon.

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1 JIM: Watch the blowfish.

2 MR. CASTO: Yeah. Don't eat the raw
3 blowfish. All right.

4 JIM: Make sure you get the trained chef.

5 MALE PARTICIPANT: All right, Chuck. See
6 you.

7 MR. CASTO: All right, guys. Be safe.

8 MALE PARTICIPANT: You too.

9 (Whereupon, the call was concluded.)

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