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**Official Transcript of Proceedings**  
**NUCLEAR REGULATORY COMMISSION**

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1 UNITED STATES OF AMERICA

2 NUCLEAR REGULATORY COMMISSION

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4 JAPAN'S FUKUSHIMA DAIICHI ET AUDIO FILE

5 + + + + +

6 TUESDAY

7 MARCH 15, 2011

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(CONFERENCE CALL INITIATED.)

00:01:46/00:04:37

CHAIRMAN JACZKO: Hi everybody.

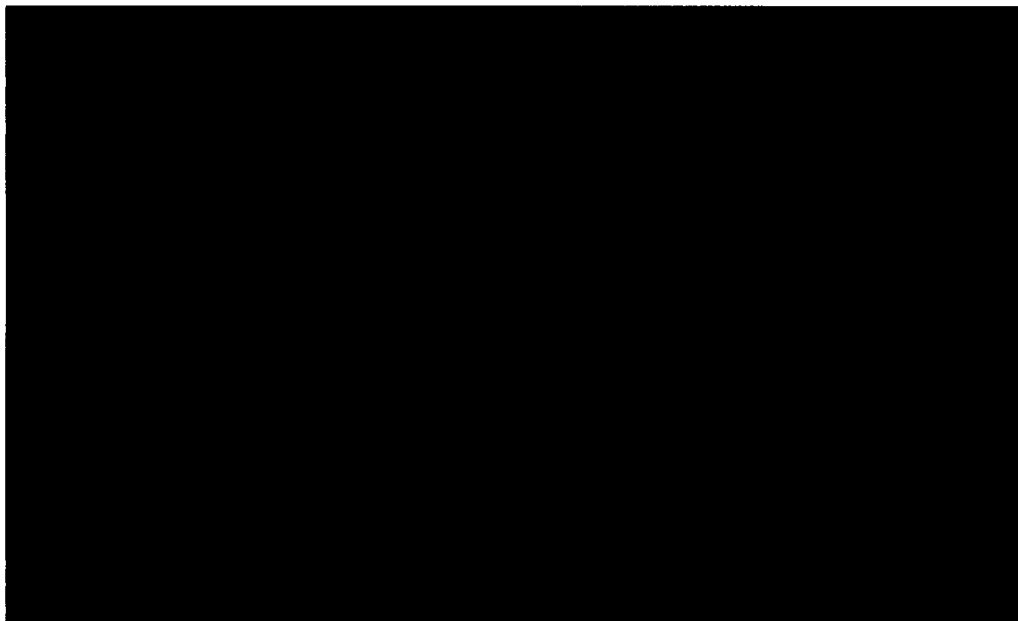
DAN DORMAN: Good morning, Chairman.

CHAIRMAN JACZKO: I'm on my way, my way  
back over to there.

DAN DORMAN: Okay.

CHAIRMAN JACZKO: And I'm going to get on  
a 1:30 call, so I'm wondering if you can, if you can  
just provide me with a quick overview of what we know  
now.

DAN DORMAN: Yes, sir. We were just going  
through some of that. We said there's no significant  
changes from when you left here.



CHAIRMAN JACZKO: Okay.

DAN DORMAN: The, the TV is reporting, NHK

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1 is reporting that the fire in Unit 4 is out.

2 CHAIRMAN JACZKO: Good.

3 DAN DORMAN: Again, we have no  
4 verification of that. That would be surprising to us  
5 if it is, in fact, a zircaloy fire.

6 We're, we're pursuing --

7 CHAIRMAN JACZKO: Do, do we have -- in, in  
8 the handoff, we did have some doubts on, in our minds  
9 whether there was -- there was some doubt.

10 I think Bill Ruland had a calculation  
11 given, given the length of the outage of 105 days  
12 approximately and then another 96 since the incident.

13 He did, I believe, state that, the possibility of a  
14 zirc fire but that we could not, through our  
15 calculations, given that core condition of the spent  
16 fuel age, get to a zirc fire.

17 Is that, how, what's your assessment of  
18 that information?

19 DAN DORMAN: I, I, I don't think we've  
20 done any additional calculations on that. I think my,  
21 my recollection of the studies that we did post 9/11  
22 -- my answer would be, it depends on what they're  
23 doing with their fuel.

24 CHAIRMAN JACZKO: Okay.

25 DAN DORMAN: If they're doing, if they're

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1 doing the one-by-four distribution as we have been,  
2 then, then that should, then our, our information  
3 should be that that's, there's not enough heat there  
4 to make it happen.

5 CHAIRMAN JACZKO: Okay.

6 DAN DORMAN: If, if they are not doing  
7 that, if they have the last core concentrated in one  
8 area, then my recollection is we were looking at  
9 periods of 180 to 200 days where a zirc fire was  
10 possible, which would keep this in the realm of  
11 possibilities.

12 I think we'd need more information on how  
13 they're distributing the last offload.

14 CHAIRMAN JACZKO: Okay. So -- oh, here I  
15 am.

16 DAN DORMAN: So the biggest issue --

17 (Chairman enters the room.)  
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1 (CONFERENCE CALL INITIATED.)

2 00:04:48/00:12:50

3 BRIAN McDERMOTT: I was just calling in to  
4 try to catch up as I'm coming in for turnover.

5 DAN DORMAN: All right. Were you on the  
6 11:30 call?

7 BRIAN McDERMOTT: No, I was not. I don't  
8 want to interrupt what you're doing, Dan, so I, I'll  
9 listen unless you have time.

10 DAN DORMAN: Well, I'll give you the quick  
11 down-and-dirty.

12 The, the, a couple hours before midnight,  
13 there was a loud noise at Unit 2 that some within the  
14 NRC staff are interpreting along with some pressure  
15 information and some radiation information that's  
16 indicating that we may have X vessel and containment  
17 failure at Unit 2.

18 There was also a report of a fire at Unit  
19 4, which we have interpreted as potentially a, a zirc  
20 fire in the spent fuel pool, although there have been  
21 media reports that that fire has been extinguished,  
22 which would be a surprise to us if it was a zirc fire.

23 But we, we don't have confirmation of the, of the  
24 extinguishment.

25 So we've got a shift in our focus right

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1 now, and based on those two events, [REDACTED]

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12 We're also starting to see some media  
13 reporting that, that the French have advised their  
14 citizens to get out of Tokyo, which is, is even  
15 further away, more like 150 miles. So there's,  
16 there's a lot of things moving here.

17 Another piece is that the wind is no  
18 longer going out to sea. The wind is now blowing  
19 towards Tokyo.

20 BRIAN McDERMOTT: Okay.

21 DAN DORMAN: So that's, that's kind of the  
22 highlights.

23 BRIAN McDERMOTT: All right.

24 DAN DORMAN: And given all those changes,  
25 we're looking at doing the commission assistant

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1 briefing either 20 minutes after a press release goes  
2 out, which now -- or at 0600 -- which would give us to  
3 get to people before they start hearing some of this  
4 on the radio. So, as of right now, I'd say probably  
5 0600 would be the, the money bet.

6 BRIAN McDERMOTT: Yeah, the media this  
7 morning was reporting the explosion with loss of  
8 containment and a fire in Unit 4, but they didn't  
9 mention it was a spent fuel pool. But I understand  
10 that's speculation.

11 DAN DORMAN: So those, those are the, the  
12 high points of the changes over the last several  
13 hours.

14 BRIAN McDERMOTT: Okay.

15 DAN DORMAN: And we'll see when you get  
16 here.

17 BRIAN McDERMOTT: All right. I think  
18 (Inaudible) you have any calls going on or whatever,  
19 so I'm just to go on mute.

20 DAN DORMAN: Okay.

21 BRIAN McDERMOTT: All right.

22 (Brain McDermott muted.)

23 (Extraneous content omitted.)

24 DAVID: Yeah. They're not done  
25 (inaudible) any assistance that may be helpful. If we

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1 provide an equipment list, DOD had said they would  
2 handle that equipment. They're trying to get to the  
3 Japanese and say --

4 MALE PARTICIPANT: "Do you need a 1?"

5 MALE PARTICIPANT: If you need Flash 1, it  
6 would help.

7 MALE PARTICIPANT: Yeah.

8 MALE PARTICIPANT: I heard --

9 MALE PARTICIPANT: No, I think Mike --  
10 yeah. The first thing is, do you need it? Do you  
11 want it? Is there somebody there to receive it? Can  
12 you connect us to your system? I know it's going to  
13 help.

14 (Long pause.)

15 MALE PARTICIPANT: Seems like there's a  
16 lot of changing --

17 DAVID: Well, no. This is an earlier  
18 version, but I had written down, FEMA had some numbers  
19 on doses, dose rates at the boundaries that were going  
20 to be, going to be verified with the Japanese.

21 MALE PARTICIPANT: How are you doing with  
22 your to-do list?

23 MALE PARTICIPANT: Okay. (Off mic.)

24 (Long pause 00:9:59-00:10:40.)

25 FEMALE PARTICIPANT: Any news from the

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1 (inaudible)?

2 DAN DORMAN: The phone call he had a  
3 little while ago was from somebody at the Embassy. It  
4 wasn't something that -- he was calling him to find  
5 what we were doing.

6 FEMALE PARTICIPANT: You're kidding? (Off  
7 mic).

8 MALE PARTICIPANT: What's that?

9 FEMALE PARTICIPANT: I think (inaudible)  
10 more damage than that.

11 DAN DORMAN: The French have told their  
12 people to get out of Tokyo.

13 FEMALE PARTICIPANT: No. When did this  
14 happen?

15 DAVID: IAEA is confirming the fire's out.  
16 They believe it's in spent fuel storage, but not the  
17 present speculation. They're going to continue to  
18 watch it closer, what they're saying about the fire --

19 DAN DORMAN: Okay.

20 DAVID: -- in the spent fuel pool.

21 DAN DORMAN: Do we have any chance to  
22 believe that it wasn't a zirc fire?

23 DAVID: Well, it says, it says that  
24 Japanese authorities have confirmed a fire at the at  
25 the spent fuel storage pond at Unit 4 but extinguished

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1 it at 200 Uniform Time. That was about the time that  
2 the, the fire started.

3 (Laughter.)

4 DAN DORMAN: And if, if it's possible to  
5 put out a zirc fire, (inaudible).

6 DAVID: It would take a heroic effort is  
7 my understanding. I mean, it's a self-oxygenating  
8 fire, so. . . .

9 DAN DORMAN: Yeah.

10 FEMALE PARTICIPANT: Is Brian on his way  
11 home?

12 DAVID: Brian McDermott is on his way in  
13 and he's monitoring.

14 FEMALE PARTICIPANT: Is he on here right  
15 now?

16 DAVID: Yeah. He's on, he's on mute.

17 FEMALE PARTICIPANT: Hi, Brian.

18 BRIAN McDERMOTT: Good morning.

19 DAVID: Don't distract him.

20 FEMALE PARTICIPANT: You'd better be  
21 hands-free.

22 BRIAN McDERMOTT: Yeah. Yeah.

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1 (CONFERENCE CALL RESUMED.)

2 00:12:50/00:23:27

3 BRIAN McDERMOTT: So it sounds like it was  
4 the spent fuel pool, per IAEA?

5 DAVID: The desk at the IAEA says it was  
6 at the spent fuel storage pond at Unit 4 and it was  
7 extinguished.

8 FEMALE PARTICIPANT: I'm going to go make  
9 a copy of this.

10 DAVID: I don't know if they're doing that  
11 off of the, the, these, the NHK reporting that the,  
12 that that's what Tepco says or if, or if there's other  
13 independent --

14 FEMALE PARTICIPANT: I'll make a copy of  
15 this. You know what? I wonder if boys are still in  
16 the (audio interference).

17 BRIAN McDERMOTT: Well, if that's the  
18 case, then that's, that should address the debate over  
19 spent fuel pool fires. But I don't know.

20 But I'm with you, David. I don't know how  
21 you'd extinguish it if it's self-, self-feeding.

22 DAVID: Yeah. It, it's very hot and it's  
23 self-feeding. It's not going to take a little bit of  
24 spray, in my understanding, to put that out.

25 BRIAN McDERMOTT: Are we running dose,

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1 dose projections, Dan, for, for the Unit 2?

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22 BRIAN McDERMOTT: And I guess there's -- I  
23 guess the glass half-empty view is -- and there are  
24 still a number of issues we have no information on.  
25 Right?

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1           DAVID: Yeah. There's, there's a bunch of  
2 stuff we don't have information on, like all of the  
3 spent fuel pools. You know, if, if one of them dried  
4 out and started to burn, where are the other five at?

5           BRIAN McDERMOTT: Right.

6           DAVID: And the notion that Unit 2 is X  
7 vessel is something that is the the assessment of Jim  
8 Trapp, who's in the office talking to one NISA  
9 engineer, so that, that's their best estimate of what  
10 the situation is. But we don't have anything from  
11 either Tepco or NISA that, that verifies that  
12 information.

13          BRIAN McDERMOTT: When they say that the  
14 core is X vessel, what kind of rad readings are they  
15 getting near the site?

16          DAVID: I don't have any updates over the  
17 last, roughly six or seven hours. But six or seven  
18 hours ago, the site boundary in the vicinity of Unit 2  
19 and 3 was 3 to rem per hour, and around Unit 4, was 10  
20 rem per hour.

21          MALE PARTICIPANT: And at one point, there  
22 was a 40 rem.

23          DAVID: Yeah. There was a media report of  
24 a 40-rem dose measured somewhere near the plant.

25          BRIAN McDERMOTT: Okay. Wow. And they

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1 still have people there?

2 DAN DORMAN: There are 50 people remaining  
3 on site. Everybody else has been evacuated. Now I  
4 don't know if that 50 includes the 11 that were  
5 injured in the Unit 3 explosion or sent after that.

6 BRIAN McDERMOTT: Right.

7 DAN DORMAN: One of our, of our lingering  
8 questions is, is how many people are there monitoring  
9 this and trying to, to cool things, and for how long?

10 BRIAN McDERMOTT: Right, with those kind  
11 of dose rates. Anything from other parts of the  
12 country, some of the other units that we only had that  
13 they were shut down, or?

14 DAVID: There was, there was a snippet  
15 that we got at one point that we're trying to get any  
16 other information on it.

17 There was some potential cause for concern  
18 with one of the Daini units, which, up to this point,  
19 we have not had any indication of problems at. But we  
20 haven't been able to get any confirmation of that.  
21 But, but that's something that the RST is trying to  
22 track down.

23 Other than that, nothing, nothing new from  
24 Onagawa or Tokai.

25 BRIAN McDERMOTT: Yeah, \*Onagawa was the

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1 one where even the company wasn't saying much. I  
2 think their press, you know, they weren't putting out  
3 press releases or anything.

4 DAN DORMAN: Yeah, they, they had the fire  
5 in the (inaudible) building back on day one.

6 BRIAN McDERMOTT: Right.

7 DAN DORMAN: But that's the only thing  
8 we've had from them.

9 (Long pause 18:38-18:57.)

10 MALE PARTICIPANT: (Off mic.)

11 (Off mic conversation.)

12 (Extraneous content omitted.)

13 MALE PARTICIPANT: (Inaudible) talk to  
14 PNT, and the only real data they have right now is at  
15 this point here was about a mile west of the (audio  
16 interference), and the max they had was 10 R per hour.

17 That was Japanese -- March 15 due at --

18 MALE PARTICIPANT: This was how far away?

19 MALE PARTICIPANT: That was like a mile.  
20 That's really not bad, but that's not with the wind  
21 blowing (audio interference).

22 MALE PARTICIPANT: (Inaudible)?

23 MALE PARTICIPANT: No. He doesn't have  
24 anything else.

25 MALE PARTICIPANT: No, we're just trying

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1 to get a ballpark. Are we talking about, are people  
2 going to drop dead? Are they going to -- it's just --  
3 you know, how hot is it? But, you know, we don't  
4 really have the --

5 MALE PARTICIPANT: So maybe we ought to  
6 tell them to see the (inaudible)?

7 MALE PARTICIPANT: (Inaudible).

8 (Off mic conversation.)

9 MALE PARTICIPANT: Like that 40 R per  
10 hour, I don't, I don't think there is a 40 R per hour  
11 (audio interference).

12 MALE PARTICIPANT: Yeah. I wouldn't, I  
13 wouldn't think it would be now. Not now. Maybe it  
14 was, after the explosion. You know, it seems a little  
15 high for right now. (Audio interference.)

16 MALE PARTICIPANT: You know, this, this  
17 was not bad, but it doesn't explain --

18 MALE PARTICIPANT: So, so we don't know  
19 whether -- I was thinking, I don't know why we would  
20 even --

21 MALE PARTICIPANT: Include, you know,  
22 include it if you think they're right. But if we're  
23 question if they're they're right --

24 MALE PARTICIPANT: I think that's the  
25 thing. We're not sure.

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1 MALE PARTICIPANT: I think I would  
2 (inaudible).

3 MALE PARTICIPANT: But don't put --

4 MALE PARTICIPANT: Yeah, we don't put any  
5 numbers. We'll just say --

6 MALE PARTICIPANT: I don't know if you  
7 want to say, you know --

8 MALE PARTICIPANT: If you think that's  
9 good to edit, you know, (inaudible). You know, you've  
10 got 10 mrem.

11 MALE PARTICIPANT: Yeah, but it's in this  
12 direction.

13 MALE PARTICIPANT: Yeah.

14 MALE PARTICIPANT: What we could say is  
15 radiation level was unconfirmed at the time and we  
16 don't know. We really don't. That way, people would  
17 know that we're not hiding something or we didn't  
18 admit it. We just don't have confirmation.

19 (Simultaneous conversation.)

20 MALE PARTICIPANT: Okay. Good.

21 Dan, are we working towards a six o'clock  
22 overall -- or is that just for, just for  
23 commissioners, CAs? Or are we going to try to get  
24 help?

25 DAN DORMAN: I think we were holding fast

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1 to the cast because the notion is naturally that  
2 people are going to be getting up and coming in to  
3 work. (Inaudible).

4 MALE PARTICIPANT: Okay. Okay.

5 DAN DORMAN: Yeah, I mean, we'll want that  
6 ready. So we'll want it here in the next 20 minutes  
7 or so, but --

8 MALE PARTICIPANT: Then we'll call it 5:30  
9 update.

10 DAN DORMAN: You can call it the 5:45 if  
11 you want. But I would ask you to share that with  
12 Rebecca, Phil --

13 MALE PARTICIPANT: Yeah, I'll (inaudible)  
14 now, but I'll go give it to them.

15 DAN DORMAN: Perfect, thanks.

16 MALE PARTICIPANT: Are we going to do it  
17 in here, and are you going to do the briefing, or do  
18 you need anything else for that besides those two  
19 documents?

20 DAN DORMAN: Let me take a look.

21 (Long pause.)

22 DAN DORMAN: That's fine (audio  
23 interference).

24 BRIAN McDERMOTT: Dan, are you there?

25 (No response.)

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(Extraneous and off-mic conversation

omitted.)

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1 (CONFERENCE CALL INITIATED.)

2 00:25:55/00:38:24

3 BRIAN McDERMOTT: Chris, it's Brian.

4 CHRIS MILLER: Hey.

5 BRIAN McDERMOTT: Good morning.

6 CHRIS MILLER: How are you doing?

7 BRIAN McDERMOTT: All right. Just a  
8 question: I'm thinking about the dose rates that Dan  
9 was telling me. Did we have any communication with  
10 the Reagan after the bang and the rad levels went up?

11 CHRIS MILLER: Any communication with who?

12 MALE PARTICIPANT: The Reagan.

13 BRIAN McDERMOTT: The USS Reagan.

14 CHRIS MILLER: Oh, yeah. Well, we didn't  
15 get an, updated data from the Reagan, but it was  
16 relative to their position and the transport time from  
17 the site. We would not expect to have data relative  
18 to the current Unit 2 or Unit 4 issues out to the  
19 Reagan as of the time that that data was taken.

20 BRIAN McDERMOTT: Okay. I was just  
21 thinking about their position and whether they had --  
22 I know they were repositioning earlier, you know,  
23 based on the air samples and stuff, but I was just  
24 thinking that would become even more significant given  
25 the event that we believe that has unfolded.

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1 CHRIS MILLER: Yeah. Yeah, I guess the  
2 only thing that it did tell you is that there wasn't,  
3 you know, some significant release that we didn't know  
4 about that was getting over that direction. But other  
5 than that, you know, we really didn't get a lot of  
6 information out of that.

7 The other thing is, with the winds having  
8 shifted to the Northeast, they, they are going to be  
9 out of the plume now for a while.

10 BRIAN McDERMOTT: Okay. That's really  
11 what I was after Dave. Okay.

12 DAVID: You know, you're not going to be a  
13 popular guy for getting all us guys up at six o'clock,  
14 and so I'm just pointing the fingers at you. You  
15 know, I'm going to tell them -- no, I'm just kidding.

16 The, the question I have on that,  
17 regarding that, is, is that still a --

18 MALE PARTICIPANT: (Inaudible).

19 MALE PARTICIPANT: Yeah, I know, we're all  
20 --

21 (Laughter.)

22 MALE PARTICIPANT: -- we could all point  
23 to higher levels and say it's his fault.

24 MALE PARTICIPANT: Do we have to do it if  
25 the press release hasn't gone out?

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1 MALE PARTICIPANT: Well, I was wondering  
2 that.

3 MALE PARTICIPANT: Yeah. The, the six  
4 o'clock, you wanted to do anyway just because of the,  
5 people were not on the 11:30 call and haven't been  
6 involved on these overnight, so that they need to hear  
7 Unit 2 and Unit 4 from us rather than turning on the  
8 car radio.

9 MALE PARTICIPANT: I thought it was  
10 stemming from the press release.

11 MALE PARTICIPANT: Well, if, if the press  
12 release had gone out, we would have actually done it  
13 earlier. If, if we had issued the press release, then  
14 they would have been called either way.

15 MALE PARTICIPANT: So you want the CA call  
16 to go out at six o'clock, regardless?

17 MALE PARTICIPANT: The 7:30 is happening.

18 MALE PARTICIPANT: All right. I need to  
19 start that last half.

20 MALE PARTICIPANT: There's a lot of people  
21 who actually start working --

22 (Extraneous content omitted.)

23 MALE PARTICIPANT: Those HOOs are great.

24 MALE PARTICIPANT: What do you think of my  
25 changes? Did you concur?

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1 FEMALE PARTICIPANT: Yeah, I do.

2 MALE PARTICIPANT: Okay, so I can blame  
3 them on the (inaudible)?

4 FEMALE PARTICIPANT: Yes.

5 MALE PARTICIPANT: Okay. All right.

6 Now, so, yeah, you got, you put the --

7 FEMALE PARTICIPANT: Yes. That's from the  
8 5:30, yes.

9 MALE PARTICIPANT: Okay. Well, can you  
10 make us a bunch of --

11 FEMALE PARTICIPANT: Bunch of copies?

12 MALE PARTICIPANT: -- copies, please?

13 Thank you. Like, yeah, four or five of each, or maybe  
14 get Tom to give us four or five of that.

15 FEMALE PARTICIPANT: Okay. Do you want  
16 just this set or both?

17 MALE PARTICIPANT: Both.

18 FEMALE PARTICIPANT: Both. Okay.

19 MALE PARTICIPANT: Because the Chairman  
20 will be in here at some point and will want them, and  
21 Dan's going to want them, and the people (inaudible)  
22 are going to want them.

23 (Extraneous content omitted.)

24 MALE PARTICIPANT: I thought I heard  
25 eight. So what is the number? Let me -- I meant that

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1 -- this is list that \*Sean gave me after Jim and Tony  
2 had seen (inaudible) -- four, five, six, seven --  
3 because they had nine, and I thought I heard somebody  
4 report eight.

5 But I think Chuck Casto on a different  
6 flight. So maybe it's --

7 MALE PARTICIPANT: Eight.

8 MALE PARTICIPANT: That's my bet. Thank  
9 you.

10 MALE PARTICIPANT: Yep.

11 MALE PARTICIPANT: I think you're right.  
12 I have not seen that list.

13 MALE PARTICIPANT: (Audio interference.)

14 MALE PARTICIPANT: -- the IAEA.  
15 Basically, it's the same stuff that we got, you know,  
16 from --

17 MALE PARTICIPANT: Okay. Is this --

18 MALE PARTICIPANT: This is called the  
19 \*AEL, so both of them says about the fire and the  
20 spent fuel, the first thing, it says dose rates up to  
21 400 mSv per liter quoted. And then this is when the  
22 fire (inaudible) mSv.

23 MALE PARTICIPANT: Thank you.

24 They say, "Current information indicates  
25 that the structure that contains the reactor vessel

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1 remains intact."

2 Maybe we can just, maybe we just should be  
3 silent on that. What do you think?

4 (Audio interference.)

5 MALE PARTICIPANT: Sheltering in place  
6 (audio interference) consideration. Protective  
7 measures (inaudible) out and follow that.

8 MALE PARTICIPANT: Yeah, I'm going to  
9 mention that, but I'm not going to put it in here.

10 MALE PARTICIPANT: Yeah.

11 MALE PARTICIPANT: Okay.

12 (Audio interference.)

13 MALE PARTICIPANT: I'm going to add in  
14 here that they're evacuating out to 20 kilometers and  
15 sheltering out to 30 kilometers. That's all.

16 FEMALE PARTICIPANT: Yeah.

17 BRIAN McDERMOTT: Okay, I'm going to jump  
18 all for a meeting here. I'll be back. So  
19 (inaudible).

20 MALE PARTICIPANT: Okay. By that time,  
21 everything will have changed.

22 BRIAN McDERMOTT: Yeah, right.

23 MALE PARTICIPANT: Hopefully for the  
24 better.

25 (Audio interference.)

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1 MALE PARTICIPANT: (Inaudible). However,  
2 in the last several hours, the wind shifted. It is no  
3 longer east. It is now blowing toward Tokyo.

4 MALE PARTICIPANT: Have you checked on  
5 that lately? I have not got the latest and greatest.

6 MALE PARTICIPANT: Yeah. Do we have the  
7 current data points?

8 FEMALE PARTICIPANT: Here are the updated  
9 ones. Wherever you're done with that, I can take the  
10 winds back.

11 MALE PARTICIPANT: Okay.

12 FEMALE PARTICIPANT: Okay. And then these  
13 are the 5:30, updated.

14 MALE PARTICIPANT: Thanks.

15 FEMALE PARTICIPANT: You're welcome.

16 (Long pause 00:3:46-00:34:37)

17 MALE PARTICIPANT: The wind shift is from  
18 the Southeast right now, so it's blowing away from  
19 Tokyo but still onshore, and it's going to shift  
20 around and it's going to shift around and --

21 MALE PARTICIPANT: Yeah.

22 MALE PARTICIPANT: -- eventually blow  
23 offshore.

24 MALE PARTICIPANT: Yeah. It's, it's in  
25 here. It looks like, that forecast shows, "Steady

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41  
1 wind shift continuing counter-clockwise over the next  
2 6 to 12 hours in one direction blowing the plume  
3 offshore again early Wednesday morning local Japan  
4 time.

5 MALE PARTICIPANT: Okay. (Inaudible).  
6 That's good.

7 (Extraneous content omitted.)

8 MALE PARTICIPANT: All right, so we have  
9 Dan's eagle eye.

10 FEMALE PARTICIPANT: I'm sorry to --

11 MALE PARTICIPANT: We have Dan's eagle-eye  
12 correction.

13 MALE PARTICIPANT: So I told you wrong on  
14 the number. We have the official --

15 FEMALE PARTICIPANT: Okay.

16 MALE PARTICIPANT: And so that's the  
17 (audio interference). Yes.

18 FEMALE PARTICIPANT: Okay. There's the  
19 updated report right there.

20 MALE PARTICIPANT: Good. Thanks.

21 FEMALE PARTICIPANT: Do you want me to do  
22 that?

23 MALE PARTICIPANT: Sure.

24 (Extraneous content omitted.)

25 MALE PARTICIPANT: Given the fact that

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1 it's 5:47, do we want to pull in the directors to get  
2 a briefing before the six o'clock CA call?

3 MALE PARTICIPANT: That's pretty good  
4 idea, but it wouldn't do it until the Dan came back.

5 MALE PARTICIPANT: Where did Dan run off  
6 to?

7 MALE PARTICIPANT: I don't know.

8 MALE PARTICIPANT: Okay, let's ask (audio  
9 interference).

10 MALE PARTICIPANT: (Audio interference) --  
11 directors in here for prepping for this morning?

12 MALE PARTICIPANT: I don't think I need to  
13 prep. We're starting in 10 minutes.

14 BRIAN McDERMOTT: Hey, guys, I'm just at  
15 the gate now, so I'll be up there in a few minutes.  
16 So I'm going to go off line while I go into the  
17 garage.

18 MALE PARTICIPANT: Okay. Do you want to  
19 hear about Units 5 and 6?

20 BRIAN McDERMOTT: I'll see you in five  
21 minutes.

22 (Laughter.)  
23  
24

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1 (CONFERENCE CALL INITIATED.)

2 00:38:33/00:50:49

3 (Standby until 00:40:27.)

4 (Roster playback.)

5 DAN DORMAN: Good morning everyone and  
6 thank you for joining us at this early hour. This is  
7 Dan Dorman. I went to go through the status of the  
8 situation in Japan. There's been some significant  
9 changes during the night.

10 We currently have a contingent of nine  
11 individuals to be led by Chuck Casto from Region II  
12 that are en route to Japan and will be arriving this  
13 evening about eight o'clock Eastern time.

14 One of the things that's changed overnight  
15 is the wind's direction, which has, since the  
16 earthquake, been steadily blowing out to sea. It has  
17 shifted around to the Northeast so that it is now  
18 blowing Southwest towards Tokyo, which is about 150  
19 miles away. We've had mixed forecasts during this  
20 shift. At one point, it was projected to continue to  
21 blow to the Southwest for the next 24 hours. But the  
22 latest information is that we expect that wind  
23 direction to continue to rotate counterclockwise.

24 MALE PARTICIPANT: Right. And currently,  
25 wind direction is farther east.

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1 DAN DORMAN: It's coming from the East,  
2 blowing more to the West.

3 MALE PARTICIPANT: No, from the Northeast.

4 DAN DORMAN: Right.

5 MALE PARTICIPANT: More east, correct.

6 DAN DORMAN: Right. So it's, so it's  
7 rotating clockwise, and we expect that, by tomorrow  
8 morning, it will be blowing out to sea. That's the  
9 current forecast.

10 For Units 1 and 3 at Daiichi, the  
11 information we currently have is that they, we have  
12 stable core cooling for those facilities and that the  
13 containments remain functional for those two, for  
14 those two reactor plants.

15 Unit 2 experienced a loud noise. It's  
16 been reported in the media as an explosion, but it  
17 appears to be of a different nature than, than what we  
18 saw for Unit 1 and 3 when we had the hydrogen  
19 detonations earlier. The Unit 2 loud noise was  
20 accompanied by a drop in pressure from three  
21 atmospheres to one atmosphere in the containment and  
22 an increase in radiation levels.

23 We have been operating on the inference  
24 of, principally from the two people we have over in  
25 the Embassy right now, Jim Trapp and Tony Ulses, and

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1 the conversation that they had with one NISA engineer  
2 that that event signified a vessel failure.

3 And so we have done dose assessments on  
4 the assumption of \*corium X vessel along with a  
5 failure of the primary containment function of Unit 2.

6 I would emphasize that this is the staff's  
7 assessment. We have not had any confirmation from the  
8 Japanese of that assessment.

9 But the dose projections -- based on that  
10 assessment, we have done a couple of different cases;  
11 one in which the wind remains steady and one in which  
12 the wind shifts, continues to shift around. If the  
13 wind remains steady, the projections will result in  
14 exceeding the protective action guidelines at 50 miles  
15 from the facility. If the winds shift, that distance  
16 for the protective action guidelines is reduced to 30-  
17 to 40-mile range from the facility.

18 Also, sometime in that time frame late  
19 last evening in our time, we had reports of a fire in  
20 the spent fuel pool at Daiichi Unit 4. We had reports  
21 that Tepco and separately from IAEA that they had  
22 heard from Japanese authorities that that fire was put  
23 out.

24 We had been assuming that that fire was in  
25 the pool and was a zirconium fire, although we are

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1 questioning that based on how, the fact that they were  
2 able to get that out rapidly. But we have also done  
3 dose projections for a zirconium fire for Unit 4.

4 At the start of this shift, we had reports  
5 that the radiation levels in the vicinity of the site  
6 boundary near Unit 2 and 3 were around 3 to 4 rem per  
7 hour, and near Unit 4 was 10 rem per hour. We've  
8 recently seen reports that radiation levels at the,  
9 the gate to the site, the front gate, were on the  
10 order of 60 millirems per hour. So that, that piece  
11 of information appears to be somewhat encouraging on  
12 the front.

13 We have no information on the status of  
14 the spent fuel pools in Unit 1, 2, 3, 5, or 6. The  
15 tie, fact of a fire around the pool of Unit 4 -- we  
16 are operating --

17 MALE PARTICIPANT: Hey, can you hold that  
18 a second.

19 DAN DORMAN: Sorry?

20 (No response.)

21 DAN DORMAN: We are, we have communicated  
22 concern about those pools and their status and, and a  
23 desire for more information on that, but we do not  
24 know the status of those pools at this time.

25 The current status of the protective

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1 action recommendations in Japan, they continue to  
2 recommend evacuation out to 20 kilometers kilometers  
3 from Daiichi and sheltering from 20 kilometers to 30  
4 kilometers. They have also, during this shift,  
5 established a no-fly zone out to 30 kilometers from  
6 Daiichi.

7  
8  
9  
10  
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12  
13  
14  
15  
16 DOE's RAP team is airborne and, and should  
17 be arriving in Japan anytime now. That would give us  
18 additional monitoring capabilities that hopefully  
19 would get us more information to enhance our  
20 assessments.

21 We have, in the last hour, had contact  
22 from the Defense Threat Reduction Agency, which is  
23 identified that they have four diesel-driven pumps,  
24 which are available in Japan for three-hour arrival by  
25 ground. They are 1200 to 1800 gallon-per-minute

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5

1 pumps. We don't have information on discharge  
2 pressure, but we're in a conversation with (inaudible)  
3 --

4 MALE PARTICIPANT: (Off mic.)

5 (Simultaneous conversation.)

6 MALE PARTICIPANT: -- 75 to 150 PSI. So  
7 we will be trying to connect them with Tepco to get,  
8 make sure that, first off, that those would be useful,  
9 that they would have sufficient fuel to support  
10 sustained operation of them and then possibly get  
11 those pumps to the site if that would be helpful.

12 Any other . . . ?

13 (No response.)

14 DAN DORMAN: That concludes the briefing.

15 I'll take any questions.

16 \*MR. REAMER: This is Reamer from Region  
17 III. Could you repeat the radiation levels at the  
18 front gate?

19 DAN DORMAN: The radiation level at the  
20 front gate, the last number that we recently had was  
21 six-zero millirem per hour.

22 MR. \*REAMER: Thank you.

23 PAT CASTLEMAN: Hey, Dan, this is Pat  
24 Castleman. When are the Commission offices going to  
25 get the latest update to the Qs & As and talking

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1 points?

2 DAN DORMAN: Uh, when do you need it? We  
3 can get that to you, we can get that to you this  
4 morning.

5 PAT CASTLEMAN: That, that would --  
6 because we haven't seen them for a few days and my  
7 commissioner would like the latest version.

8 DAN DORMAN: Okay.

9 PAT CASTLEMAN: So if you could get them  
10 on the wire, that would be great. Thanks.

11 MIKE \*FRANAVICH: Hey, Dan, this is Mike  
12 Franovich. On Unit 2, do we have any indication of  
13 any water going to Unit 2 at all in terms of the  
14 building itself? Is there any seawater being  
15 injected?

16 DAN DORMAN: Early, early on, we had  
17 indication that they were probably, that the pumps  
18 they had going were probably deadheaded for a very  
19 extended period of time.

20 Mike, do we have anything new on, on --

21 MIKE: Whether water's actually --

22 DAN DORMAN: Whether water's actually  
23 getting into --

24 MIKE: No.

25 DAN DORMAN: Okay.

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1                   Nothing current, Mike, but we'll continue  
2 to work through the RST to see if we can get an update  
3 on that.

4                   MIKE FRANOVICH: Thank you.

5                   DAN DORMAN: Others?

6                   (No response.)

7                   DAN DORMAN: Well, this concludes the  
8 briefing then. Thank you.

9  
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1 (CONFERENCE CALL INITIATED.)

2 00:50:57/1:07:02

3 DAN DORMAN: Hey, Jim and Tony, it's Dan  
4 Dorman. How are you?

5 TONY ULSES: Just fine, Dan. How are you  
6 doing, sir?

7 DAN DORMAN: Hanging in there. What's,  
8 what's the latest on your end?

9 TONY ULSES: I wanted to call and give you  
10 an update on where we are.

11 We, we had another meeting with the  
12 gentleman from NISA. We actually called him on the  
13 phone.

14 I don't know, Jim, when we have that call?  
15 It was like something, six local time, something like  
16 that?

17 JIM TRAPP: Yes.

18 TONY ULSES: We went over all the  
19 information with him again one more time, all that we  
20 had talked about earlier this morning regarding Unit 2  
21 and Unit 4.

22 Where we are right now, the bottom line  
23 is, he told us that they have been able to reestablish  
24 cooling the Unit 2, that they've been able to, they  
25 have been able to repair the SRV for Unit 2, and that

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1 they are, and that they feel that they are getting  
2 water into the core.

3 And that have also -- they also that, even  
4 though they have contradictory pressure readings in  
5 the dry well on Unit 2, they believe that containment  
6 integrity has been maintained. That's the bottom line  
7 with Unit 2.

8 On the spent fuel pool for Unit 4 --

9 JIM TRAPP: You just go ahead.

10 TONY ULSES: He indicated that the level  
11 in the spent fuel pool has been reduced and that they  
12 had a hydrogen explosion in Unit 4. So, obviously,  
13 one can deduce that the fuel is not being cooled  
14 properly and that it has overheated to a certain  
15 extent, causing the creation of hydrogen, which led to  
16 the hydrogen burn.

17 They indicate that the fire was actually a  
18 lube oil fire from a generator that's in, that's in  
19 the reactor building. They have not, they actually  
20 did not extinguish the fire. Apparently, they let it  
21 burn out most likely because of the high radiation  
22 levels.

23 The high radiation level that was, that  
24 was measured at 40 rem per hour at 10:22 this morning  
25 was located between Unit 3 and 4, and NISA has

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1 attributed that to the reduced levels in the spent  
2 fuel pool, which seems to be a logical conclusion.

3 So that's essentially the update of where  
4 we are right now. And they tell us that Units 1 and  
5 3, the seawater injection is still progressing, and  
6 they didn't indicate there were any problems.

7 DAN DORMAN: Okay, Tony, the spent fuel  
8 pools for 3 and 4, are they, do you know what the  
9 orientation -- I mean, are they between the two  
10 reactors?

11 MALE PARTICIPANT: They're in the reactor  
12 building.

13 FEMALE PARTICIPANT: They're (inaudible).

14 DAN DORMAN: Are, are they a mirror image  
15 where the, where the pools are between the reactors?

16 TONY ULSES: Geez, I don't think I know  
17 the answer to that. I think they have one pool per --

18 (Simultaneous conversation.)

19 MALE PARTICIPANT: -- separate buildings  
20 --

21 DAN DORMAN: Yes, I understand. But if  
22 you, if you go to two-unit BWRs in the United States,  
23 some of them are mirror images where the, the pools  
24 run between them. Others, others are not mirror  
25 images where the pools are both on the right-hand

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1 side.

2 MALE PARTICIPANT: That's it.

3 DAN DORMAN: And in terms of the dose  
4 between the units, I was wondering if, if the, if  
5 those two pools were shining at each other.

6 TONY ULSES: Well, we're just not sure  
7 about that, sir. We, all we know is that Unit 4's  
8 spent fuel pool, that NISA has indicated that the  
9 level has reduced to the point, obviously, where  
10 they're not maintaining adequate cooling in the pool.

11 We asked them, what are you going to do  
12 about it? And they said that they evaluating that  
13 right now. They did not have a direct answer to that.

14 One can conclude that the radiation levels in the  
15 reactor building around the spent fuel pool would be  
16 very, very high under these conditions. So that may  
17 obviously be factoring into their thinking about how  
18 they're going to address the situation.

19 DAN DORMAN: And they don't have any  
20 current form of water going in?

21 TONY ULSES: When we talked on 5 or 6,  
22 they indicated that they were not injecting water into  
23 the spent fuel pool and that they were evaluating how  
24 to regain level. And they do not know what the level  
25 is. The gentleman we were talking to did not know

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1 what the water level in the spent fuel pool of Unit 4  
2 is. I think he actually said that they don't know  
3 because they haven't gone in and looked.

4 MALE PARTICIPANT: Because of the high  
5 rads.

6 DAN DORMAN: Do they have any information  
7 on levels or coolability of the other five spent fuel  
8 pools?

9 TONY ULSES: They did not provide any of  
10 that information. No, sir.

11 DAN DORMAN: Okay.

12 TONY ULSES: So we don't know what their  
13 status is.

14 DAN DORMAN: All right. We, we have been  
15 having conversations with the Defense Threat Reduction  
16 Agency over the last couple of hours.

17 TONY ULSES: Okay.

18 DAN DORMAN: They have, they have  
19 identified for diesel-driven pumps with a capacity of  
20 one 200 to one 800 gallon-per-minute at discharge a  
21 head of 75 to 150 PSI.

22 TONY ULSES: Okay.

23 DAN DORMAN: We, we are trying to get that  
24 -- and these are, these are on the ground in Japan --  
25 they, they can be on the site by in three hours by

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1 ground or faster by air if need be.

2 We're trying to connect these from DTRA in  
3 Japan with Tepco to see if that's useful to Tepco.

4 TONY ULSES: Okay. I saw the email. I  
5 tried to call the, that fellow back and they were in  
6 the middle of a shift change.

7 Let me work that from here. I'll see if I  
8 if I can try to get in to somebody because I don't --

9 (Simultaneous conversation.)

10 FEMALE PARTICIPANT: -- contacts.

11 TONY ULSES: -- correct Tepco contacts.

12 DAN DORMAN: They, they, they may be  
13 reaching out to you as well.

14 TONY ULSES: Okay. Well, I will see what  
15 I can do here, who to contact, so you know who to get  
16 them with to figure this out. I'll have to think  
17 about that one. Maybe USFJ may have some Tepco  
18 contacts.

19 DAN DORMAN: are you two plugged into the  
20 conversations that happened three or four hours ago  
21 about possible recommendations on evacuation out to 50  
22 miles?

23 TONY ULSES: Well, yes, I was, but I was,  
24 rather peripherally. Jim's actually gone up to talk  
25 to the ambassador again, but I, I believe Jim was in

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1 that room when the calls were happening.

2 DAN DORMAN: Okay. The, the, the  
3 information that we were providing to State was based  
4 on RASCAL dose projections based on Unit 2 X-vessel  
5 with a containment function failure and steady winds  
6 to the Southwest.

7 Is your assessment -- based on your most  
8 recent conversation with the official from NISA, is  
9 your assessment that that is not the case?

10 TONY ULSES: Yes, sir. As we stand right  
11 now, we, based on what NISA just told, based on what  
12 the NISA official told us, you know, they have been  
13 able to recover the usefulness of the safety release  
14 valve, which allows them to reestablish injection.

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5

1 [REDACTED]  
2 [REDACTED]  
3 [REDACTED]  
4 [REDACTED]  
5 [REDACTED]  
6 [REDACTED]  
7 TONY ULSES: Yeah, well, that's, I think  
8 that's probably a good idea.

9 Apparently, there's going to be a call  
10 tonight at nine o'clock, I believe, and we're  
11 expecting the Chairman will probably be in -- nine  
12 local time -- the Chairman will probably be on that  
13 call, so, just, just FYI.

14 DAN DORMAN: Yes. Yes, the Chairman is  
15 expecting to be on that call.

16 TONY ULSES: So that's, that's the current  
17 status. The, that's what we know right now.

18 DAN DORMAN: Okay.

19 Do you guys have any other things for Tony  
20 and Jim?

21 MALE PARTICIPANT: Why did, why do we  
22 think that the 40 --

23 MALE PARTICIPANT: Forty R per hour.

24 MALE PARTICIPANT: -- 40 R per hour -- why  
25 do we think that would have gone down if it was a

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1 spent fuel pool?

2 TONY ULSES: Well, we don't know that it  
3 has gone down. You know, that may be a constant  
4 measurement. We have no further information.

5 DAN DORMAN: They have no further  
6 information.

7 MALE PARTICIPANT: Tony, we had, we had  
8 seen, I guess, data point that front-gate dose rates  
9 were 60 millirem per hour. Is that the most, anything  
10 you're hearing? Or do you have data on that?

11 TONY ULSES: We have some data for front  
12 gate -- let's see if I can decipher this here -- front  
13 gate. Let's see, this is in microsieverts.

14 MALE PARTICIPANT: Do you have 600  
15 microsieverts per hour?

16 TONY ULSES: That was -- based on the  
17 information I have here, the, the most recent  
18 information, I believe, is from sometime in the early  
19 afternoon. This was that about 1,000 microsieverts,  
20 but it is trending down.

21 It had spiked 11,000 microsieverts this  
22 morning, at about 9:00 a.m., it appears, and then it,  
23 and then it stayed relatively constant at around 8m000  
24 microsieverts. And then it began to drop from there  
25 into 2,000 down to 1,000.

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1 And then we've heard that, that the most  
2 recent measurements are somewhere around, I believe it  
3 was around 600 is what I've heard. So I guess that's  
4 consistent with what you're hearing.

5 MALE PARTICIPANT: Is that, do you know  
6 that that corresponds with them covering cooling on  
7 Unit 2 or can correlate that to any event?

8 TONY ULSES: It's, it's very difficult to  
9 do that because the NISA official was not very  
10 forthcoming with the timing of whether they were able  
11 to reestablish core cooling and, and, and whatnot.

12 We don't know how long the core had been  
13 uncovered at the time of our call this morning, so  
14 it's kind of difficult to, to really make that  
15 assessment.

16 MALE PARTICIPANT: Do we, do we have any  
17 information on, on them continuing to vent?

18 TONY ULSES: No. We're assuming that they  
19 are continuing to vent, but we don't have any specific  
20 information on that at this point. That may be, that  
21 may be one possible explanation for the spike in the  
22 reading.

23 However, this particular reading spiked  
24 for pretty long time, so it would be pretty hard to  
25 argue that -- this would have been a really long been.

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1 This spanned over the course of about two hours and  
2 that's about -- about an hour and a half -- and  
3 that's, you know, the venting was usually about five  
4 or 10 minutes.

5 So, but, you know, that's a long time. So  
6 it's really hard to say what's caused this 11,000  
7 reading. It's, it really is.

8 MALE PARTICIPANT: So past vents had  
9 always been about 10 minutes duration?

10 TONY ULSES: Roughly, I mean, if I recall.  
11 And that's, again, not based on anything they told  
12 us. It's based on looking at what little rad data we  
13 were able to get. You could see the trending as it  
14 would spike up and then spike back down.

15 MALE PARTICIPANT: Right.

16 TONY ULSES: That was, so that's our  
17 assessment. But it's, take it as a best guess.

18 MALE PARTICIPANT: Okay.

19 DAN DORMAN: Do you have, do you have any  
20 weather information?

21 TONY ULSES: Last I heard, the winds are  
22 still trending towards Tokyo. I, I'm not sure; that's  
23 the latest I have. But that was as of probably the  
24 middle of the day.

25 DAN DORMAN: Okay, we, we were hearing

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1 similar things in that time frame, but more recently,  
2 we've been hearing that the winds have continued to  
3 rotate clockwise with the expectation that they would  
4 continue to rotate clockwise until sometime tomorrow  
5 morning your time. They would be blowing out to sea  
6 again.

7 So we'll, we'll keep an eye on that, but  
8 that's the last that we've heard.

9 TONY ULSES: Okay. Well, I appreciate  
10 that.

11 DAN DORMAN: You have any indication that  
12 their, any efforts that are successful on getting more  
13 electrical power restored?

14 TONY ULSES: No, I do not. I know the  
15 USFJ is still working furiously to try and locate,  
16 locate AC and DC sources.

17 Apparently, one of the big problems with  
18 the site is that not only did the diesel generators  
19 get damaged, but the switch gear itself was damaged.  
20 So the question would be, even if you brought an  
21 alternate AC to the site, would you even be able to  
22 hook it in? That's one of the open questions at this  
23 point. But I don't have any hard information on that.

24 I know that, you know, as you pointed out,  
25 you know, we have a couple of these pumps that DTRA's

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1 been able to identify, and I'll see what I can work  
2 out on that. But that's about all I know on that one.

3 But I know that they, they do not have AC  
4 power at the site, as it is right now. That I know.  
5 So they're still operating just on DC.

6 MALE PARTICIPANT: Tony, have you gotten  
7 any information on the personnel at the units as far  
8 as number of, mission of, as far as, you know, in  
9 terms of radiological exposure or anything like that?

10 TONY ULSES: Well, we read, I believe it  
11 was a press report that indicated that, I think it was  
12 five, five site employees have most likely received a  
13 fatal dose from this accident. But, again, that's,  
14 it's hard to substantiate that. But that's what I --  
15 and in terms of other accidents or injuries, I know  
16 that there were employees injured in both of the  
17 hydrogen explosions. Whether there, whether there  
18 were fatalities or not, I don't know. I mean, one  
19 could presume that, that they may be, because those  
20 were some big explosions.

21 MALE PARTICIPANT: Tony, have we got, have  
22 they given an explanation of the loud noise at, at  
23 Unit 2 that precipitated the X vessel assessment?

24 TONY ULSES: No, nothing other than to say  
25 they're not sure what it was. They're surmising that

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1 there was some confusion about whether or not it was  
2 actually Unit 2 versus Unit 4. So they're unsure.

3 I asked the gentleman what the vessel  
4 pressure was, and he said it was holding at about one  
5 megapascal. And I'm not sure how old that number was.

6 This guy doesn't seemed to be plugged into real-time  
7 information.

8 MALE PARTICIPANT: That was Unit 2?

9 TONY ULSES: That's for Unit 2. And if  
10 indeed the pressure is one \*megapascal, that obviously  
11 indicates that they have not had a vessel breach.

12 (Off mic conversation.)

13 (Audio interference.)

14 DAN DORMAN: Tony, do you need any support  
15 from us back here?

16 TONY ULSES: I just wanted to make sure  
17 you're up to date on the latest because I presume you  
18 probably want to call the Chairman before this 9:00  
19 p.m., 9:00 p.m. (our time) call, so we wanted to make  
20 sure you were up on the latest.

21 DAN DORMAN: Thanks. We appreciate that.  
22 Well, if you need anything, let us know.

23 TONY ULSES: Already. Thank you, sir.

24 MALE PARTICIPANT: One megapascal.

25 MALE PARTICIPANT: Yeah, one megapascal.

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1 (CONFERENCE CALL INITIATED.)

2 01:07:15/01:13:13

3 BRIAN McDERMOTT: Good morning, Jeff.  
4 It's Brian McDermott.

5 JEFF KOWALSKI: Good morning, Brian. This  
6 is Michael and Jeff.

7 BRIAN McDERMOTT: Hi, guys. You're on  
8 the, on the speaker with the executive team and/or  
9 Mike Weber. Chris Miller's still hanging out, but  
10 he's really leaving.

11 MIKE DUDEK: Good morning, everyone.

12 (Simultaneous greetings.)

13 MIKE DUDEK: I just wanted to call and get  
14 an update. I've been asked to brief Administrator  
15 Shaw again at 7:30 this morning, and this is on, on  
16 the deputies call with him.

17 Also, I wanted to give you an update on  
18 the people traveling. I don't know if you're aware,  
19 but I, I received a personal phone call from the  
20 Chairman last night requesting that I get this  
21 accomplished. That, so, I mean, it, it was done.  
22 Kirk Foge (phon), Jack Foster, Tim Poole, John  
23 Moninger, and Tony \*Lewinsky and Brooke Smith left  
24 Dulles last night at 11:05 p.m. They get into Tokyo  
25 at 9:10 on Wednesday morning.

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1 Chuck Casto has been named disaster  
2 communications specialist for, for the NRC. He left  
3 last night at 8:05 p.m. He arrives in Tokyo at 1:30  
4 p.m. on Wednesday.

5 \*Bill Cook leaves [sic] out of  
6 Philadelphia at 11:05 last night and arrives with the  
7 team at 9:10 a.m. on Wednesday morning.

8 And Rich \*Stevercelli (phon) leaves this  
9 morning at 11 o'clock a.m., Chattanooga, and arrives  
10 at 4:15 p.m. on Wednesday.

11 BRIAN McDERMOTT: Hey, Mike, have you  
12 share those details with the liaison team?

13 MIKE DUDEK: I have.

14 BRIAN McDERMOTT: Okay. We'll, we'll get  
15 it from them in writing.

16 MIKE DUDEK: We, we also, \*Jeff Kowalski  
17 and I took an emergency trip out to Dulles last, late  
18 last night and took the team Blackberries, shirts,  
19 hats, and jackets with USAID logos on them. So they  
20 should have Blackberries. They should be able to  
21 communicate with us as they, when they land and as  
22 they get integrated into the USART teams.

23 BRIAN McDERMOTT: Great.

24 MIKE DUDEK: As for my briefing this  
25 morning with the Administrator, is there any

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1 particular message that you would like me to share  
2 with him?

3 BRIAN McDERMOTT: Well, when, when was the  
4 last time that the Administrator was briefed?

5 MIKE DUDEK: Last night, I believe --

6 BRIAN McDERMOTT: Okay.

7 MIKE DUDEK: -- via phone. Jason Kozen  
8 briefed him on the reactor events, but I don't think  
9 he knows the events that have unfolded since late,  
10 later in the evening, since about, about ten o'clock.

11 BRIAN McDERMOTT: Okay. Tony called this  
12 morning after the commissioner assistants brief and  
13 gave us an update.

14 The two new pieces, as I understand it --  
15 one was that that the fire was attributed to be a lube  
16 oil fire.

17 MIKE DUDEK: Okay.

18 BRIAN McDERMOTT: That took place between  
19 the Units 3 and 4.

20 MALE PARTICIPANT: I think it was, I think  
21 it was in 4, but the high dose rates were between  
22 them.

23 BRIAN McDERMOTT: Oh, okay.

24 -- in Unit 4, but the high dose rates were  
25 measured between Units 3 and 4. And the plant

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1 employees allowed that fire to burn itself out. So it  
2 was not, at this time, based on what we're being told,  
3 thought to be a zirconium fire. It was a lube oil  
4 fire.

5 MIKE DUDEK: Okay.

6 BRIAN McDERMOTT: The other thing is that  
7 the high dose rates are being attributed to partial  
8 exposure of the fuel in the spent fuel pool in Unit 4.

9 MIKE DUDEK: Right.

10 BRIAN McDERMOTT: And that that led to a  
11 hydrogen burn. They're having difficulty maintaining  
12 cooling of that spent fuel pool.

13 MIKE DUDEK: Okay.

14 BRIAN McDERMOTT: Any other highlights?

15 MALE PARTICIPANT: Only that there's some  
16 thought that that Unit 2, Unit 2 --

17 BRIAN McDERMOTT: Right.

18 MALE PARTICIPANT: -- reactor is in better  
19 shape, perhaps, and that the noise may have been this  
20 problem on, on Unit --

21 BRIAN McDERMOTT: Four

22 MALE PARTICIPANT: -- four.

23 BRIAN McDERMOTT: So the current pressure  
24 measurement in-vessel in Unit 2 indicates that the  
25 vessel is intact.

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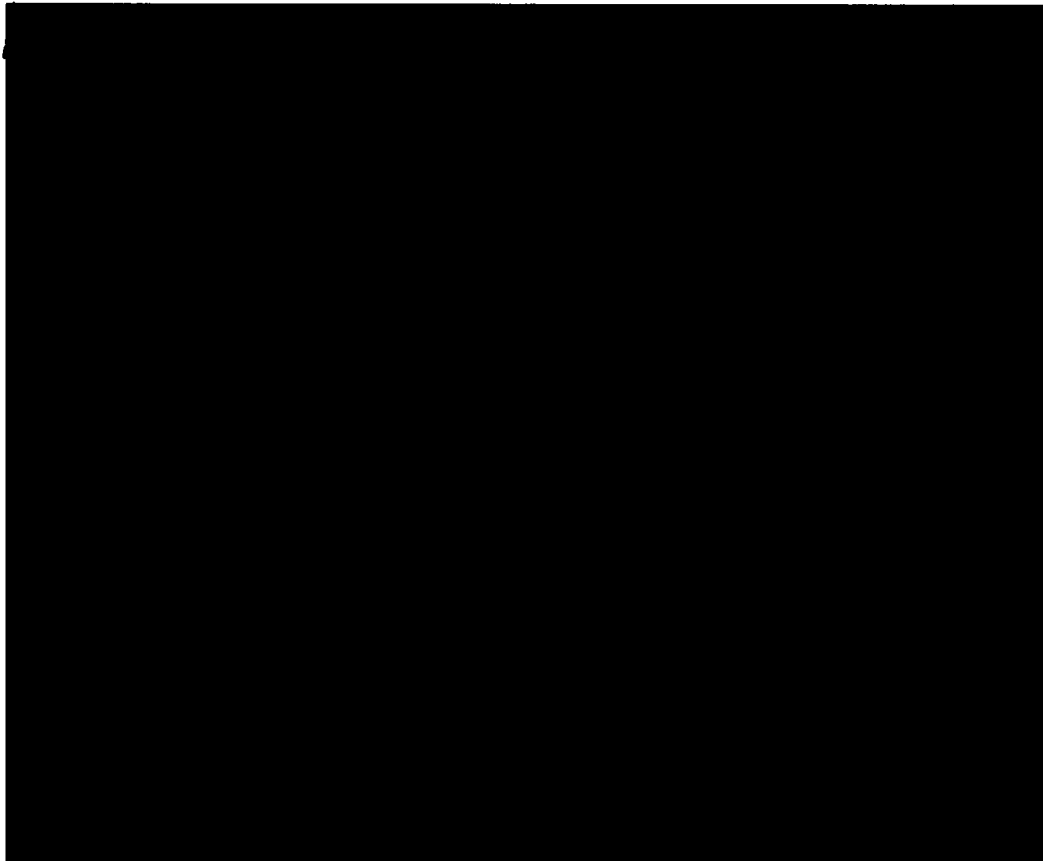
1 MALE PARTICIPANT: And, and they have  
2 restored some --

3 BRIAN McDERMOTT: Cooling.

4 MALE PARTICIPANT: -- measure of cooling  
5 injection.

6 BRIAN McDERMOTT: Right.

7 Any other highlights?



20 MIKE DUDEK: Okay.

21 MALE PARTICIPANT: So, but -- which we  
22 don't have indications of right now.

23 MIKE DUDEK: I understand.

24 Okay. That, that's all from my end.

25 BRIAN McDERMOTT: Okay. I think that's it

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1 from here.

2 MIKE DUDEK: All right.

3 MALE PARTICIPANT: Thanks, Mike. So  
4 you're oncoming or offgoing?

5 MIKE DUDEK: I'm on coming, sir.

6 MALE PARTICIPANT: You're oncoming. Okay.

7 MIKE DUDEK: I was, I was going to come  
8 back, back to Headquarters intermittently today for  
9 some, some, some budget activities. But if you want  
10 me to stay down here, I will.

11 MALE PARTICIPANT: Yes. Please stay down  
12 there. That's your priority. And we'll, I'll work  
13 back through whoever we can find to deal with the  
14 in-office problems.

15 MIKE DUDEK: I understand. I will stay  
16 down here.

17 Okay, thank you very much, gentlemen.

18 BRIAN McDERMOTT: Thank you. Goodbye.

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1 (CONFERENCE CALL INITIATED.)

2 01:13:24/01:14:03

3 (Standby at 01:13:45)

4 (Extraneous content omitted.)

5 (Callers placed on mute.)

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1 (CONFERENCE CALL INITIATED.)

2 01:14:43/01:15:17

3 (Extraneous conference call omitted.)

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1 (CONFERENCE CALL INITIATED.)

2 01:15:27/01:24:18

3 BRIAN McDERMOTT: So we got call this  
4 morning from Tony --

5 BRIAN McDERMOTT: Okay.

6 BRIAN McDERMOTT: -- from Japan. They  
7 have established cooling to Unit 2.

8 CHAIRMAN JACZKO: Right.

9 BRIAN McDERMOTT: Indications are that the  
10 containment integrity is being maintained and the  
11 vessel maintained vessel integrity is maintained.

12 CHAIRMAN JACZKO: Okay. Good.

13 BRIAN McDERMOTT: So that's positive. And  
14 they were able to repair the SRVs for Unit 2.

15 CHAIRMAN JACZKO: Was the SRV the source  
16 of pressure difference?

17 BRIAN McDERMOTT: That, I don't know.

18 CHAIRMAN JACZKO: Okay.

19 BRIAN McDERMOTT: But on Unit 4, they're  
20 having difficulty maintaining spent fuel pool cooling.

21 CHAIRMAN JACZKO: Okay.

22 BRIAN McDERMOTT: And the fire that  
23 occurred was a lube oil fire that the operators  
24 allowed to burn itself out.

25 CHAIRMAN JACZKO: Okay.

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1           BRIAN McDERMOTT: The, they did also have  
2 a hydrogen burn at the spent fuel pool. So the  
3 elevated readings of about 40 R per hour between Units  
4 3 and 4 were thought to have originated from the  
5 degraded condition of the spent fuel pool in Unit 4.

6           CHAIRMAN JACZKO: Okay.

7           BRIAN McDERMOTT: So, at this time, the  
8 challenge is to maintain cooling of the fuel pool in  
9 Unit 4.

10          CHAIRMAN JACZKO: Okay.

11          BRIAN McDERMOTT: Units 1 and 3 have  
12 progressed in seawater injection.

13          CHAIRMAN JACZKO: Okay.

14          BRIAN McDERMOTT: So that's positive.

15          We're working through US Forces Japan to  
16 access four diesel-driven pumps.

17          CHAIRMAN JACZKO: Okay.

18          BRIAN McDERMOTT: That would be a benefit  
19 to pump water into the units if they can properly sync  
20 them.

21          CHAIRMAN JACZKO: Okay.

22          BRIAN McDERMOTT: And I think that's about  
23 it, in terms of significant update.

24          CHAIRMAN JACZKO: Okay. Good.

25          BRIAN McDERMOTT: So, some positive news,

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1 but obviously, they continue to be challenged with the  
2 current situation.

3 CHAIRMAN JACZKO: Did we get any  
4 information Unit 5 and 6? Do we know if they have or  
5 potential could have issues with the spent fuel pools?

6 BRIAN McDERMOTT: When we checked before,  
7 the word was no issues.

8 CHAIRMAN JACZKO: Okay.

9 BRIAN McDERMOTT: So, at this point, we  
10 don't have any indications that they're having  
11 problems, but we don't have any indications that  
12 they're not having problems.

13 CHAIRMAN JACZKO: Okay. And the, and the  
14 guys who are on ground we were asking about  
15 (inaudible) -- do they have better contacts and better  
16 information now?

17 BRIAN McDERMOTT: Our people?

18 CHAIRMAN JACZKO: Our people.

19 BRIAN McDERMOTT: That's the impression I  
20 have. They're getting information that we don't have  
21 through other channels.

22 CHAIRMAN JACZKO: That's good.

23 BRIAN McDERMOTT: And our team is en  
24 route.

25 CHAIRMAN JACZKO: Okay.

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1 BRIAN McDERMOTT: The additional team  
2 members. They're going to be arriving in Japan at  
3 different times because they're coming from different  
4 airports.

5 CHAIRMAN JACZKO: Okay.

6 BRIAN McDERMOTT: So the Liaison Team is  
7 working to put together a list of when they're  
8 expected to arrive.

9 CHAIRMAN JACZKO: Okay..

10 BRIAN McDERMOTT: I think the next group  
11 arrives in Narita in, tomorrow morning at about nine  
12 o'clock.

13 (Audio interference.)

14 CHAIRMAN JACZKO: Tomorrow morning their  
15 time?

16 BRIAN McDERMOTT: Wednesday morning Japan  
17 time.

18 CHAIRMAN JACZKO: Okay.

19 BRIAN McDERMOTT: So it's 2052, almost  
20 9:00 o'clock in the evening, in Japan.

21 CHAIRMAN JACZKO: Okay.

22 BRIAN McDERMOTT: And we were able to get  
23 them supplies before they shipped out, so they have --

24 CHAIRMAN JACZKO: Okay. Did they take Ki,  
25 do you know? They, they were getting Ki, Chuck, on

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1 the way to the airport.

2 (Audio interference.)

3 BRIAN McDERMOTT: Yeah, we have updated  
4 talking points and also the updated situation report.

5 CHAIRMAN JACZKO: So what's our focus for  
6 today?

7 BRIAN McDERMOTT: The focus is on trying  
8 to understand what's going on with the spent fuel pool  
9 and getting cooling reestablished, that, and continue  
10 to monitor the, you know, other plants.

11 CHAIRMAN JACZKO: Okay.

12 BRIAN McDERMOTT: The significant update  
13 is, you know, last night, we thought we had a big  
14 problem.

15 CHAIRMAN JACZKO: Yeah.

16 BRIAN McDERMOTT: And this morning, it, it  
17 suggests we have less of a problem.

18 CHAIRMAN JACZKO: Yeah.

19 BRIAN McDERMOTT: But, obviously, we need  
20 to maintain oversight of, you know, what's going on at  
21 those of the unit. The situation could turn again.

22 F [REDACTED] [REDACTED] [REDACTED] [REDACTED]

23 [REDACTED]  
24 [REDACTED]  
25 [REDACTED]

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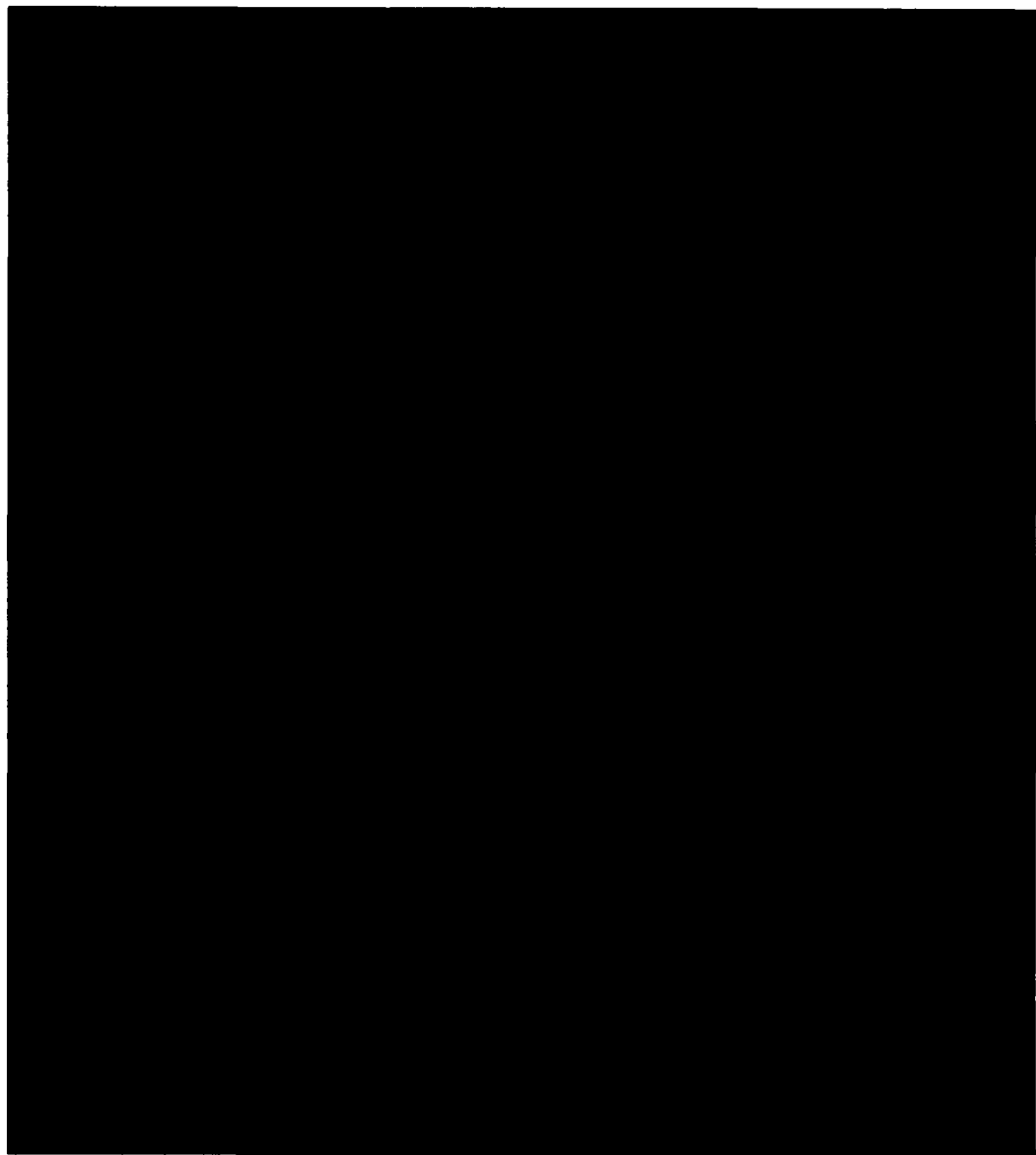
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CHAIRMAN JACZKO: I don't know what the status is. Eliot, what's your --

ELIOT \*BRENNER: Within the agency, I think it would be a good idea. I think it's the time to go ahead and build the SharePoint site that we talked about to have a common product for everybody

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1 because some of the RAs and everybody else are  
2 (inaudible).

3 But we need, we may need to control the  
4 messenger.

5 CHAIRMAN JACZKO: Okay. Who are, who are  
6 the messengers right now?

7 BRIAN McDERMOTT: Well, you're the Number  
8 1 --

9 CHAIRMAN JACZKO: Yeah. Yeah. I control  
10 myself relatively well.

11 (Laughter.)

12 BRIAN McDERMOTT: Bill Borchardt's going  
13 to be on the call with the briefing for the Senate and  
14 House staff at one o'clock.

15 CHAIRMAN JACZKO: Good.

16 BRIAN McDERMOTT: And then we're also  
17 participating, I and Amy will be on with, at two  
18 o'clock on the USAID conference call with the  
19 congressional staff.

20 CHAIRMAN JACZKO: Okay. Good. Okay.

21 MALE PARTICIPANT: But that the lead for,  
22 for AID if we're supporting a --

23 CHAIRMAN JACZKO: Okay. Good.

24 Where do we stand with the state and  
25 local, state liaison offices, the information that

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1 they would be providing to state and local context?

2 BRIAN McDERMOTT: We provided information  
3 over the weekend to the, our regional state liaison  
4 officers.

5 CHAIRMAN JACZKO: Okay.

6 BRIAN McDERMOTT: And I think that  
7 information remains valid.

8 CHAIRMAN JACZKO: Okay.

9 BRIAN McDERMOTT: That did not speculate  
10 on condition of plants and all that kind of stuff.

11 CHAIRMAN JACZKO: Yeah. Right.

12 BRIAN McDERMOTT: It really focused more  
13 on the health and safety aspects of potential releases  
14 from the Japanese reactors.

15 CHAIRMAN JACZKO: Okay. I think they  
16 are. What we did hear from the RAs, when we did the  
17 briefing for the RAs and office directors, and they  
18 were interested in sort of the next iteration of  
19 information.

20 BRIAN McDERMOTT: Okay.

21 CHAIRMAN JACZKO: -- for the politics for  
22 that.

23 BRIAN McDERMOTT: And we couldn't push out  
24 updated information.

25 CHAIRMAN JACZKO: Now are the Qs & As,

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1 are they still structured the same way where there's  
2 basically a public message and then background  
3 information which may not be public? Or do we have a  
4 version that would --

5 ELIOT BRENNER: Yeah, I mean, the stuff  
6 that's been our hands --

7 CHAIRMAN JACZKO: Yeah.

8 ELIOT BRENNER: -- and I, I, I think other  
9 products have emerged.

10 CHAIRMAN JACZKO: Yeah.

11 ELIOT BRENNER: What I temporarily own is  
12 structured that way. I didn't want to ask a lot of  
13 questions.

14 We had to say, stepped to the podium at  
15 one o'clock yesterday, we believe there's a low  
16 likelihood of alpha radiation reaching, alpha  
17 radiation level reaching us.

18 [REDACTED]  
19 [REDACTED]  
20 [REDACTED]  
21 [REDACTED]  
22 [REDACTED]  
23 [REDACTED]

24 BRIAN McDERMOTT: That would be our, that  
25 would be our recommendation.

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1 ELIOT BRENNER: Okay.

2 BRIAN McDERMOTT: Nothing's changed.

3 CHAIRMAN JACZKO: Yeah, and last night we  
4 were running was a fairly significant scenario. And  
5 again, to put it in perspective, you know, we still  
6 are talking about something relatively, relatively  
7 confined to the reactor site in terms of statements  
8 about why, you know, the (inaudible).

9 FEMALE PARTICIPANT: Yeah.

10 CHAIRMAN JACZKO: I'm very comfortable  
11 with that.

12 [REDACTED]

13 [REDACTED]

14 [REDACTED]

15 [REDACTED]

16 [REDACTED]

17 [REDACTED]

18 [REDACTED]

19 CHAIRMAN JACZKO: Right.

20 BRIAN McDERMOTT: So we haven't issued our  
21 release. Now, today, the situation is different than  
22 what it appeared to be last night.

23 CHAIRMAN JACZKO: Yes. Are you going to  
24 update that?

25 BRIAN McDERMOTT: Yeah.

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1 CHAIRMAN JACZKO: Okay. We're doing that  
2 over there? Okay, who's coming with me?

3 MALE PARTICIPANT: Okay, and they're  
4 arranging for reactor --

5 CHAIRMAN JACZKO: Okay, excellent. And  
6 can we have a projected --

7 MALE PARTICIPANT: Sure.

8 BRIAN McDERMOTT: Yes.

9 CHAIRMAN JACZKO: Okay. Good.

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1 (CONFERENCE CALL CONTINUED.)

2 01:24:43/01:49:59

3 (Extraneous content omitted.)

4 BRIAN McDERMOTT: Yeah, I think it's only  
5 nine that are going.

6 FEMALE PARTICIPANT: (off mic.)

7 BRIAN McDERMOTT: (Audio interference) --  
8 talking to the deputies committee, the deputy  
9 secretaries or their designees.

10 Any questions? Jim, did you get the  
11 updates we reviewed out there when we were briefing  
12 the Chairman on the --

13 JIM: No, no --

14 BRIAN McDERMOTT: Okay. The situation  
15 appears to have improved somewhat. The fire that was  
16 reported does not appear to have been a zirconium fuel  
17 fire.

18 JIM: But it was in Unit 4?

19 BRIAN McDERMOTT: It was in Unit 4. It  
20 was lube oil fire, which the operators allowed to burn  
21 out. They are having difficulty maintaining cooling  
22 of the spent fuel pool on Unit 4. They did have a  
23 hydrogen fire associated with the fuel pool.

24 So it appears that the significantly  
25 elevated 40 R-per-hour radiation level between Units 3

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1 and 4 were caused by partial uncovering of the spent  
2 fuel in Unit 4.

3 Jim: Could they get a background?

4 BRIAN McDERMOTT: They are not able to do  
5 that, so we're working that through the Japanese to  
6 figure out, can we can mobilize some military assets  
7 to help us re-flood the fuel pools? I think those of  
8 the significant updates.

9 That suggests they, they are able to cool  
10 Unit 2. We have indications that containment in  
11 vessel remains intact in Unit 2. So, whereas last  
12 night we had a large concerns about the status of Unit  
13 2, this morning, things look better for Unit 2 than we  
14 understood them to be last night.

15 We have no indications that there's been a  
16 breach of the vessel or containment.

17 Jim: (Audio interference) -- the  
18 containment and (off mic.)

19 BRIAN McDERMOTT: That's what we  
20 understand.

21 MALE PARTICIPANT: We were concerned about  
22 Unit 2 coming into about 6:30 this morning.

23 MALE PARTICIPANT: Right.

24 BRIAN McDERMOTT: And there was, you know,  
25 this loud noise that was thought to have originated

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1 for Unit 2. Speculation is that may have been  
2 confusing, and it may have been what was going on in  
3 Unit 4, that would cause the loud noise, not Unit 2,  
4 although that's . . . .

5 MALE PARTICIPANT: Who knows what that  
6 means?

7 MALE PARTICIPANT: Well, you know, one of  
8 the things that I would expect (audio interference)  
9 -- it really ruptured, if you had enough energy to  
10 rupture the primary containment, you'd take damage on  
11 the --

12 BRIAN McDERMOTT: Yeah.

13 Good morning, Charlie.

14 CHARLIE: Good morning. Do we need to get  
15 the Reactor Safety Team grinding on the spent fuel --

16 BRIAN McDERMOTT: Yes, they're working  
17 with the MTs.

18 CHARLIE: Yeah.

19 Steve, are those dose rates, prospectively  
20 if it has hydrogen generated, it will (inaudible)  
21 coverage.

22 BRIAN McDERMOTT: Yeah. Well, sit down.  
23 We'll you a context.

24 CHARLIE: (Inaudible) at 5:30 --

25 Right, not the budgetary. So now you've

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1       been called in to do the --

2               CHARLIE: Yeah. Somebody just call me and  
3       said could I come up and asked if I could cover the  
4       dayshift. The Protective Measures Team, is the  
5       (inaudible) --

6               BRIAN McDERMOTT: Yes.

7               CHARLIE: Yeah.

8               BRIAN McDERMOTT: Yeah, it is.

9               CHARLIE: So I said, all right, are we  
10       expanding the A team?

11              BRIAN McDERMOTT: Yes.

12              CHARLIE: Okay.

13              BRIAN McDERMOTT: What happened last night  
14       was that we had suspicions that there may have been a  
15       breach of containment vessel --

16              CHARLIE: Right. Right.

17              BRIAN McDERMOTT: -- at Unit 2.

18              CHARLIE: Right.

19              BRIAN McDERMOTT: And we had these  
20       elevated dose measurements hundreds of miles away from  
21       the plant. So it looked bad.

22              CHARLIE: Okay.

23              BRIAN McDERMOTT: So the decision was  
24       made, given the focus on radiation issues and  
25       protective action recommendations, which is the

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1 principal focus that the Chairman gave to us this  
2 morning, we augmented the ET by bringing in the PMT  
3 like coordinator position.

4 CHARLIE: Okay.

5 BRIAN McDERMOTT: And the thought is we'll  
6 staff that position around the clock.

7 CHARLIE: Okay.

8 BRIAN McDERMOTT: We got updated  
9 information this morning that suggests that things may  
10 not be as bad as we thought they were last night.

11 CHARLIE: Okay.

12 BRIAN McDERMOTT: It appears that the  
13 elevated radiation readings might be attributed to the  
14 spent fuel pool in Unit 4, not due to breach of  
15 containment or vessel in 2.

16 Now you know.

17 CHARLIE: So, are we getting this from  
18 through our guys?

19 BRIAN McDERMOTT: Yes. We're getting it  
20 from our folks in Japan.

21 CHARLIE: Okay. Okay.

22 BRIAN McDERMOTT: That's not necessarily a  
23 good thing, however, because obviously, if you have a  
24 fuel pool that's uncovered --

25 CHARLIE: We don't know that there's

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1 cooling being provided in the pool there?

2 BRIAN McDERMOTT: No. What we do know is  
3 that they're not able to make up sufficient cooling  
4 for the pool.

5 CHARLIE: Okay.

6 BRIAN McDERMOTT: And they did have a  
7 hydrogen fire -- not a zirconium fire but a hydrogen  
8 fire. I mean, but there's uncovered fuel.

9 CHARLIE: Uncovered fuel.

10 BRIAN McDERMOTT: But what we need to do  
11 now with our teams is go back and say, okay, well,  
12 what would you expect if you had a partial uncovering?

13 CHARLIE: right.

14 BRIAN McDERMOTT:

15 BRIAN McDERMOTT: You know, how much would  
16 you have to have to have a hydrogen burden? And we're  
17 told it wasn't a violent explosion like what you saw  
18 Units 1 and 3.

19 CHARLIE: Right.

20 BRIAN McDERMOTT: But, nevertheless, it is  
21 hydrogen.

22 CHARLIE: Okay.

23 BRIAN McDERMOTT: That's not a good thing.

24 And the Chairman also asked whether we  
25 provided updated information to the RSLOs. And I know

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1 we gave the RSLOs Qs & As, talking points, over the  
2 weekend but we haven't updated them. My assessment  
3 was, I think they're still in pretty good shape. He  
4 asked us to take a look at that and decide whether we  
5 need to give additional information.

6 CHARLIE: Okay, because Chris (inaudible)  
7 talked yesterday about having a (inaudible) state  
8 RSLOs. Some of our RSLOs of the states (inaudible)  
9 the same questions, and some of these questions aren't  
10 things --

11 BRIAN McDERMOTT: Yeah.

12 CHARLIE: -- that we're in a position to  
13 handle right now.

14 BRIAN McDERMOTT: Yeah.

15 CHARLIE: Like, will, will the batteries  
16 run out in my plant? How long will the batteries last  
17 at our plant?

18 (Simultaneous conversation.)

19 BRIAN McDERMOTT: Yeah. Yeah.

20 CHARLIE: And things like that.

21 BRIAN McDERMOTT: Uh-huh.

22 CHARLIE: Okay. All right.

23 BRIAN McDERMOTT:

24 CHARLIE: So. . . .

25 [REDACTED]

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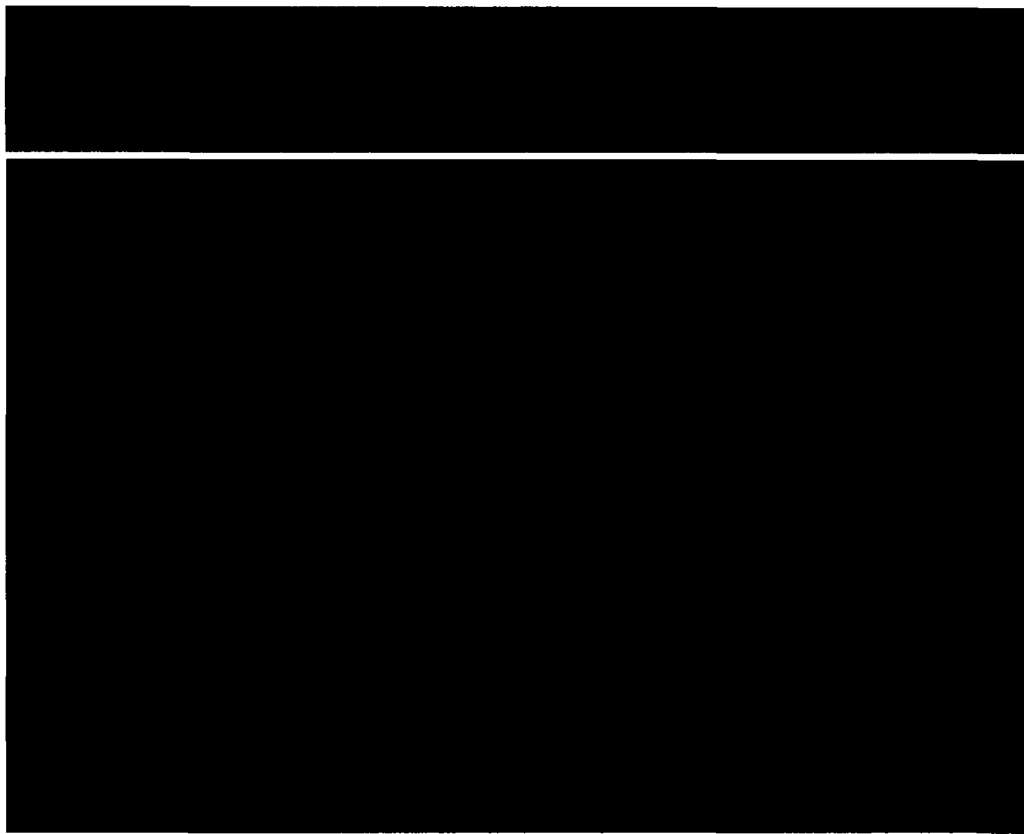
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CHARLIE: Okay. All right. So do we have people in there for now?

BRIAN McDERMOTT: Yes. We have a PMT and we have an RST.

CHARLIE: Okay. Have they been turned on to that yet or not?

BRIAN McDERMOTT: I thought they had been, but it would be good to confirm that.

CHARLIE: Okay. What do you want to do about the budget briefing?

Jim, are you going?

JIM: Yes.

CHARLIE: I'm not going to be there to

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1 support Bill.

2 BRIAN McDERMOTT: Do you want to get \*Ken  
3 Robb? Is Robb here?

4 CHARLIE: Well, Scott -- Scott and do it.

5 BRIAN McDERMOTT: Scott. Okay. Scott can  
6 do it.

7 CHARLIE: But he doesn't know that he was  
8 doing it.

9 BRIAN McDERMOTT: Well, give him a call  
10 and --

11 CHARLIE: Yeah, I'll give him a call --

12 BRIAN McDERMOTT: -- and cue him up to  
13 that.

14 CHARLIE: -- and cue him up.

15 BRIAN McDERMOTT: Good.

16 CHARLIE: And then they asked me if I  
17 could cover the dayshift. I told them, tomorrow, I  
18 have an Energy Policy Task Force Meeting. That's  
19 important.

20 CHARLIE: Well, we have lots of people on  
21 the roster. Maybe we could fill in --

22 CHARLIE: So, we'll -- yeah. So we'll  
23 have to -- yeah -- and so we'll have to work it out.

24 Are we going to cover this around the  
25 o'clock around the clock 24/7?

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1 BRIAN McDERMOTT: Yes.

2 CHARLIE: Charlie. So we're going to have  
3 to man the other shifts then.

4 BRIAN McDERMOTT: Yes.

5 CHARLIE: Okay.

6 BRIAN McDERMOTT: So, for all I know, they  
7 have to Cindy lined up to do an off-shift.

8 CHARLIE: I don't know that --

9 MALE PARTICIPANT: Who?

10 BRIAN McDERMOTT: Cindy Carpenter.

11 CHARLIE: Yeah, the people going out there  
12 Robb, (inaudible) RAs, and Cindy.

13 BRIAN McDERMOTT: Scott?

14 CHARLIE: I know if Scott's on the PMT.

15 BRIAN McDERMOTT: Oh, not PMT, but he's on  
16 the ET roster.

17 CHARLIE: I don't, I don't know if that's  
18 (inaudible) or not.

19 BRIAN McDERMOTT: Kathy. Dan is important  
20 to night shift at the team director.

21 CHARLIE: Okay.

22 FEMALE PARTICIPANT: Cindy Carpenter is  
23 the one who (audio interference).

24 BRIAN McDERMOTT: Oh.

25 CHARLIE: She's what?

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1 FEMALE PARTICIPANT: She's the one who  
2 (audio interference).

3 BRIAN McDERMOTT: Okay. Scratch her off  
4 the list.

5 FEMALE PARTICIPANT: Yeah. (Off mic.)

6 BRIAN McDERMOTT: good morning, Mark.

7 MARK: Hey there. Did you want to know  
8 what time the it starts.

9 BRIAN McDERMOTT: Oh, that's great. Do  
10 you have did sheet? Are you the Liaison Team  
11 director?

12 MARK: Yes, sir.

13 BRIAN McDERMOTT: Great.

14 Have you seen this sheet? I think this  
15 came from --

16 MARK: Maybe it's one of our --

17 BRIAN McDERMOTT: -- someone. But I was  
18 thinking could, instead of "other", could we indicate  
19 ETAs in Japan or --

20 MARK: Yes.

21 BRIAN McDERMOTT: -- somehow merge the  
22 information?

23 MARK: Yes, if you give me the sheet, I'll  
24 make sure it's being taken care of.

25 BRIAN McDERMOTT: Yeah. You can have it,

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1       yeah.

2                   MARK:     The (inaudible) list is hanging  
3       right by your desk, and the mil's desk has a copy of  
4       that.

5                   BRIAN McDERMOTT:   Okay.   All right.   So  
6       we'll --

7                   MARK:     We'll leave it all in one place.

8                   BRIAN McDERMOTT:   Thanks.

9                   MARK:     We've just got to talk to Brooke  
10       and let her know she's going the wrong way.

11                   (Laughter.)

12                   MARK:     Japan's that way, Brooke.

13                   BRIAN McDERMOTT:   No, no, that's the best  
14       she could do for a flight.   She just called back.   She  
15       arrived in London.

16                   MARK:     Yeah.    She called us.   (Audio  
17       interference.)

18                   MARK:     She'll be a little lagged out.

19                   (Laughter.)

20                   BRIAN McDERMOTT:   A little?

21                   FEMALE PARTICIPANT:   (Off mic.)

22                   MARK:     Just for your information, we've  
23       got another conference call at 11 with ESF 8, the  
24       Health and Human Services group, and I'll take care of  
25       that call.

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1 BRIAN McDERMOTT: Okay.

2 MARK: So, and I'll call the LD and brief  
3 him if there's anything new. But that's just the FDA,  
4 \*NIR, CDC, EPA talking about their issues.

5 BRIAN McDERMOTT: Okay.

6 MARK: So.

7 BRIAN McDERMOTT: Thanks.

8 What time did he said that was? At 11?

9 FEMALE PARTICIPANT: (Off mic.)

10 BRIAN McDERMOTT: Yeah, I think it was 10  
11 or 11.

12 FEMALE PARTICIPANT: The ESF 8 call?

13 BRIAN McDERMOTT: The ESF 8 call. I think  
14 so.

15 (Extraneous content omitted.)

16 FEMALE PARTICIPANT: The ESF 8 call's at  
17 11.

18 BRIAN McDERMOTT: ESF 8 call's at 11.  
19 That's when they do their call.

20 Has that been updated, that data sheet?

21 BRIAN McDERMOTT: Has that been updating,  
22 that's data sheet?

23 FEMALE PARTICIPANT: (Off mic.)

24 MALE PARTICIPANT: When was the last time  
25 that was updated? Seven o'clock. Yeah, we need to

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1 add Unit 4 on there.

2 FEMALE PARTICIPANT: Okay.

3 BRIAN McDERMOTT: Four diesel pumps from  
4 DTRA heading to Daiichi.

5 MALE PARTICIPANT: (Off mic.)

6 FEMALE PARTICIPANT: Who did they say they  
7 were (inaudible) --

8 BRIAN McDERMOTT: Jeff Temple. How's he  
9 going to do that? He's going on shift.

10 FEMALE PARTICIPANT: Yeah.

11 BRIAN McDERMOTT: Yeah. He -- sorry.

12 MALE PARTICIPANT: I'll bring the LT in.

13 BRIAN McDERMOTT: Somebody else to do it.

14 MALE PARTICIPANT: Yeah.

15 BRIAN McDERMOTT: Somebody from the  
16 Liaison Team should do it.

17 MALE PARTICIPANT: Yeah, and that's from  
18 -- Jeff Hunter will do it.

19 BRIAN McDERMOTT: Yeah.

20 MALE PARTICIPANT: He's right there.

21 BRIAN McDERMOTT: Yeah, but Jeff is  
22 supposed to go home.

23 FEMALE PARTICIPANT: (Off mic.)

24 BRIAN McDERMOTT: That's not going to be  
25 good if we burn people out.

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1 (Long pause.)

2 MALE PARTICIPANT: Holy cow.

3 FEMALE PARTICIPANT: The reactor  
4 (inaudible) on Unit 3; right?

5 MALE PARTICIPANT: Yeah.

6 FEMALE PARTICIPANT: Yeah, I don't --

7 MALE PARTICIPANT: Holy cow. Oh, boy.

8 FEMALE PARTICIPANT: (Inaudible) close do  
9 they compare to (inaudible).

10 MALE PARTICIPANT: Oh, boy.

11 (Long pause.)

12 BRIAN McDERMOTT: Yeah, it looks like  
13 they're -- I don't see -- let's see; which unit --

14 MALE PARTICIPANT: Four.

15 BRIAN McDERMOTT: -- they put the hole in  
16 the of, yesterday?

17 FEMALE PARTICIPANT: The, the, in the  
18 reactor vessel?

19 MALE PARTICIPANT: They were putting a  
20 hole in the roof of the Unit 2 reactor building to  
21 help prevent the accumulation of hydrogen. So it  
22 looks like they're definitely venting Units 1 and 2.

23 MALE PARTICIPANT: Yeah, because you can  
24 see hot pipe.

25 BRIAN McDERMOTT: The hot --

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1 MALE PARTICIPANT: But 3, I wonder if that  
2 (audio interference) --

3 BRIAN McDERMOTT: -- the side.

4 BRIAN McDERMOTT: Yeah, I wonder if they  
5 bust about the side wall on the refuel floor to give  
6 the vent --

7 BRIAN McDERMOTT: But that's not there  
8 anymore.

9 MALE PARTICIPANT: That's Unit 3. Okay,  
10 yeah, yeah, yeah.

11 BRIAN McDERMOTT: They have plenty of  
12 venting now.

13 FEMALE PARTICIPANT: Yeah.

14 MALE PARTICIPANT: Wrong unit. Sorry.

15 Unit 2 -- so we were looking to see a  
16 light spot on Unit 2, you know, I mean, just to  
17 indicate that they broke the roof. But this says  
18 March 11. Right?

19 FEMALE PARTICIPANT: So that was early on  
20 --

21 MALE PARTICIPANT: Thirteen, 14 March  
22 2011.

23 BRIAN McDERMOTT: Oh, okay.

24 FEMALE PARTICIPANT: Okay. Yeah.

25 MALE PARTICIPANT: So here's the time.

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1 It's --

2 BRIAN McDERMOTT: 6:15 --

3 MALE PARTICIPANT: -- 6:16 local.

4 BRIAN McDERMOTT: Yeah. That was  
5 yesterday morning. What day is it in Japan? It's the  
6 15th. Right? It's still the 15th.

7 FEMALE PARTICIPANT: Tonight.

8 BRIAN McDERMOTT: Yeah. So it's still the  
9 15th.

10 MALE PARTICIPANT: Tonight.

11 BRIAN McDERMOTT: Yeah, so this was  
12 yesterday.

13 FEMALE PARTICIPANT: Nine p.m.

14 BRIAN McDERMOTT: Yeah, 2114.

15 MALE PARTICIPANT: So that, if that night  
16 in Japan -- this was the morning of that night.

17 BRIAN McDERMOTT: Right.

18 MALE PARTICIPANT: Right. So, 20 hours  
19 ago.

20 BRIAN McDERMOTT: (inaudible). I wonder  
21 if they have [REDACTED]

22 MALE PARTICIPANT: This is what they just  
23 brought over.

24 BRIAN McDERMOTT: Yeah, but now we want to  
25 know what's going on in the spent fuel pool. Thank

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1 you very much. And do they have [REDACTED] since they  
2 blew the top off the roof? That's pretty dated,  
3 right? [REDACTED]

4 [REDACTED]  
5 FEMALE PARTICIPANT: That happened  
6 yesterday.

7 BRIAN McDERMOTT: [REDACTED]

8 MALE PARTICIPANT: Oh.

9 FEMALE PARTICIPANT: Oh.

10 (Extraneous content omitted.)

11 BRIAN McDERMOTT: So who's working on the  
12 talking points for Bill? Is Bill going to be using  
13 these same talking points for the, I think we've got  
14 at one o'clock.

15 MALE PARTICIPANT: To engage the  
16 Congressional Affairs element of the Liaison Team to  
17 talk to them.

18 BRIAN McDERMOTT: Have the --

19 MALE PARTICIPANT: Yeah, Congressional  
20 affairs is part of the Liaison Team.

21 MALE PARTICIPANT: I mean, those are  
22 concrete pillars.

23 FEMALE PARTICIPANT: (Off mic.)

24 MALE PARTICIPANT: No. No, no. You know,  
25 when they --

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1 FEMALE PARTICIPANT: So they had to put  
2 dirt over the top of it?

3 MALE PARTICIPANT: Right. Wow, that --

4 FEMALE PARTICIPANT: And that was that  
5 one.

6 BRIAN McDERMOTT: Right. But when they  
7 pour the, pour the reactor building, they use the big  
8 columns and then they do the (audio interference) in  
9 between. So I think what you're seeing here, these  
10 are the big columns still held together by the rebar,  
11 but they just kind of plopped over.

12 MALE PARTICIPANT: Wow.

13 (Audio interference.)

14 BRIAN McDERMOTT: We were told they have  
15 like 50 operators still on site.

16 FEMALE PARTICIPANT: Earlier on, there was  
17 like 1,400 (inaudible).

18 BRIAN McDERMOTT: 1,400?

19 FEMALE PARTICIPANT: (Off mic) their  
20 employees.

21 BRIAN McDERMOTT: They might be somewhere,  
22 but they, this morning, they were down to like 60 or  
23 --

24 BRIAN McDERMOTT: Yeah, 50 to 60. And  
25 five may have gotten a fatal exposure.

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1 MALE PARTICIPANT: I don't know if it's  
2 true (off mic). There were some brutal aftershocks.

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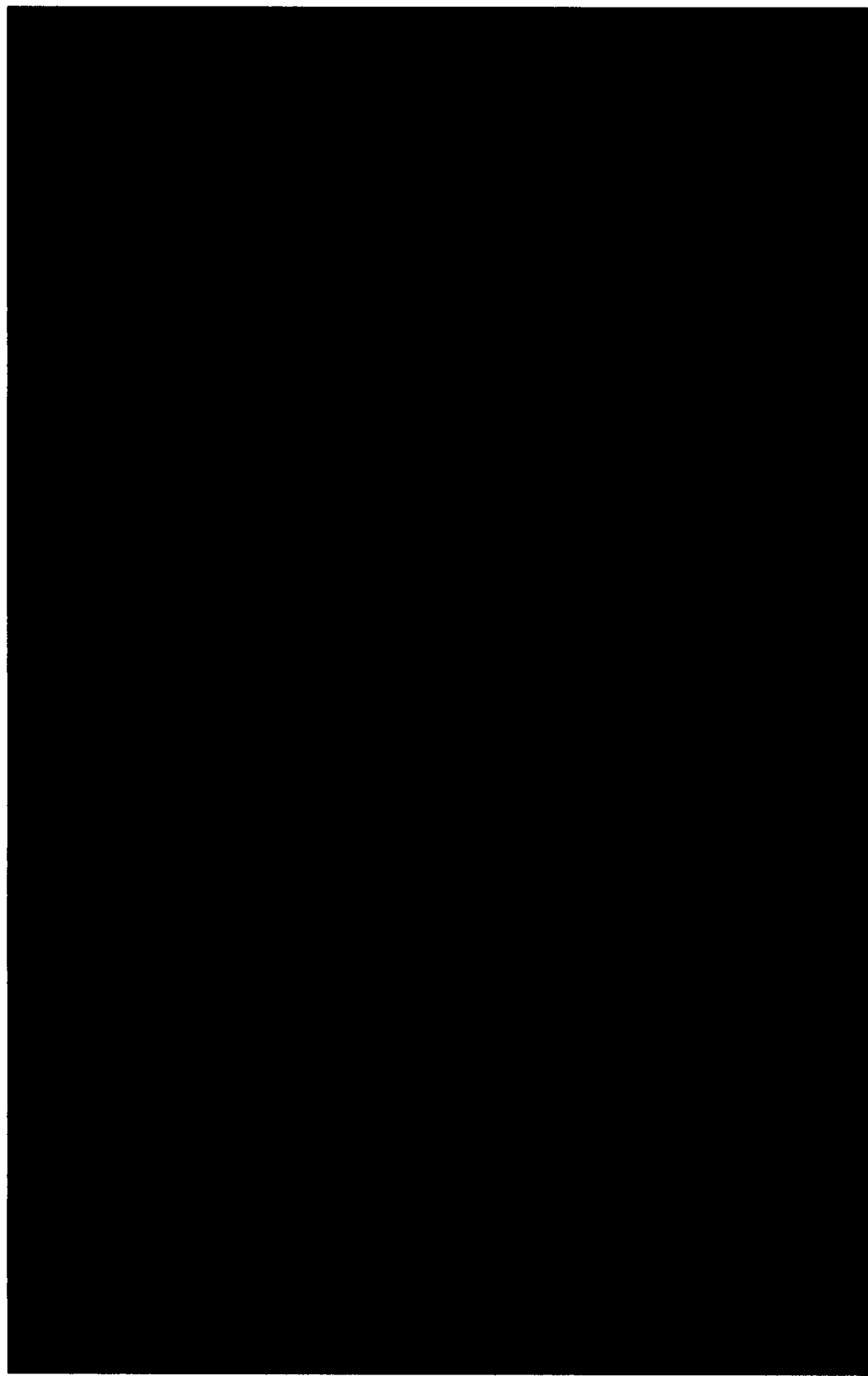
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1 (CONFERENCE CALL INITIATED.)

2 01:45:08/01:45:53

3 MIKE WEBER: Bill?

4 BILL BORCHARDT: Yeah. Hi, Mike.

5 MIKE WEBER: Hi.

6 BILL BORCHARDT: I, I'm just going to  
7 leave the line open and, and listen in.

8 MIKE WEBER: Okay.

9 BILL BORCHARDT: Thanks.

10 MIKE WEBER: Not much is happening right  
11 now, so we've got our PMT working on spent fuel pools,  
12 no problems. And we're trying to troubleshoot what  
13 kind of capabilities might exist to get water up to  
14 the fuel pool.

15 We're also working on some of the staffing  
16 issues that we discussed earlier.

17 BILL BORCHARDT: Okay. And we haven't  
18 heard back from the Chairman's call yet?

19 MIKE WEBER: No, we haven't, [REDACTED] [REDACTED]  
20 [REDACTED]  
21 [REDACTED]

22 BILL BORCHARDT: Right. Okay. Thanks.

23 MIKE WEBER: That's all.

24 BILL BORCHARDT: Bye.

25 MIKE WEBER: Bye.

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1 (CONFERENCE CALL INITIATED.)

2 01:46:06/01:52:04

3 BILL BORCHARDT: Mike Weber, this is Bill  
4 Borchardt.

5 MIKE WEBER: Hi, Bill.

6 BILL BORCHARDT: Is this a convenient  
7 time? Are you busy?

8 MIKE WEBER: Sure.

9 BILL BORCHARDT: I had a couple things.  
10 The first is that I just had a conversation with [REDACTED]  
11 [REDACTED] at INPO.

12 MIKE WEBER: Okay.

13 BILL BORCHARDT: And I think you, you  
14 probably know, although Marty had most of the  
15 interactions, I think, that they have staffed their  
16 operations center as well. And they have a noontime  
17 event with all the chief nuclear operator/officers  
18 just to give them a status report and discuss issues  
19 on industry perspective.

20 MIKE WEBER: And that's daily?

21 BILL BORCHARDT: Yeah. So [REDACTED] and I  
22 talked, that our communications up to this point have  
23 been --

24 MIKE WEBER: Sporadic.

25 BILL BORCHARDT: Yeah, or episodic maybe.

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1 MIKE WEBER: Yeah.

2 BILL BORCHARDT: And it might be some  
3 benefit to coming up with a standard time during the  
4 day when we could just check in with each other, ops  
5 center to ops center. And you know, he, he agreed  
6 with that idea.

7 So I'd just ask, when you get a chance,  
8 give them a call, see if there's a convenient time for  
9 both parties.

10 MIKE WEBER: Okay.

11 BILL BORCHARDT: They're, you know,  
12 they're standing by or willing to help coordinate  
13 industry response and activities, you know, related to  
14 the event, and they don't want to get in the way of --  
15 you remember early on, I think we asked, or General  
16 Electric asked Exelon to run some simulator scenarios  
17 --

18 MIKE WEBER: Right. Right.

19 BILL BORCHARDT: -- and they don't to get  
20 in the way of that. But if there's, if there are  
21 requests that are even more generic or we're not sure  
22 who the, the best person to send the request to is,  
23 that INPO is ready and able to serve that function --

24 MIKE WEBER: Great.

25 BILL BORCHARDT: -- as a coordinator from

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1 the industry.

2 So I think it does make sense for us to  
3 try to set something up. And maybe it's sometime  
4 around that, that noon call that they have.

5 MIKE WEBER: Like around 10:30 or so?

6 BILL BORCHARDT: Yeah. Well, I mean, you  
7 get that input from them.

8 MIKE WEBER: Yeah.

9 BILL BORCHARDT: But I think it makes  
10 sense to set up that, that interaction.

11 MIKE WEBER: So we should coordinate that  
12 with Bill?

13 BILL BORCHARDT: I think, actually, just  
14 call their ops center.

15 MIKE WEBER: Okay.

16 BILL BORCHARDT: I forget the individual's  
17 name who's heading up their ops center right now. But  
18 [REDACTED] was going to call them and give them a  
19 heads-up. So, so if you wait a half-hours or so, you  
20 won't take them by surprise by this conversation.

21 MIKE WEBER: Okay. I'll give them a call.

22 BILL BORCHARDT: The second thing is that  
23 I think Commissioner Ostendorff is going to come down  
24 to the ops center at 11 o'clock also. He doesn't want  
25 to interfere or have anything done special for him,

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1 but I think he'll listen in on the discussion we have  
2 to get me ready for the meeting downtown.

3 MIKE WEBER: Okay.

4 BILL BORCHARDT: All right.

5 And the third thing, is Eric there?

6 MIKE WEBER: Eric's here.

7 BILL BORCHARDT: Yeah.

8 Eric, can you just give me a call on  
9 another line when you get a chance?

10 ERIC LEEDS: Yeah. I'll do it right after  
11 we're, we're done here. Are you up in your office,  
12 Bill?

13 BILL BORCHARDT: I am.

14 ERIC LEEDS: Okay, sure.

15 BILL BORCHARDT: Thanks.

16 MIKE WEBER: Eric was just having a  
17 similar conversation with us to the one that we had  
18 this morning about preparing for sustained staffing.

19 BILL BORCHARDT: Yeah. Okay, we should  
20 probably ask Michelle to maybe send out an email to  
21 all the offices to let them know we have this issue on  
22 our, on our screen now, and we'll engage them soon.

23 MIKE WEBER: Yeah. Eric commented that  
24 one of his divisions or a couple of his divisions are  
25 kind of leaderless because their leaders are tied up

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1 in the ops center.

2 BILL BORCHARDT: Yeah.

3 MIKE WEBER: But that's another meant  
4 dimension to the same set of issues.

5 And then there's another factor that he  
6 raised, which is, how do we keep the industry  
7 informed? What kind of communication should we be  
8 having? Now, maybe this INPO connection might be  
9 helpful in fulfilling that at least partially.

10 But there's the longer-term. As we  
11 proceed, are there additional communications that we  
12 should be having with the industry to keep them well  
13 informed?

14 BILL BORCHARDT: Yeah, right. Now, yeah,  
15 that's a very good point. And maybe we can leverage  
16 INPO into doing that. They're going to be putting out  
17 a [sic] INPO event report, which replaced the SLER  
18 process, and it's, it's going to actually do two, two  
19 things. One, it's going to have them verify that the  
20 equipment and procedures are in place, and my  
21 shorthand would be the B5B procedures that are in  
22 place --

23 MIKE WEBER: Right.

24 BILL BORCHARDT: -- and that we haven't  
25 let some kind of dwindle into a lesser relevance, and

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1 just, today, check on that equipment. And that's  
2 going to be done within a week -- and then a more  
3 in-depth analysis of station blackout and flooding  
4 verification of the design basis and equipment,  
5 associated equipment, to be done within 30 days.

6 So that hasn't been issued yet, but  
7 they're expected to get a issued maybe today. So, I  
8 mean, that's the benefit of getting the C&Os on board.  
9 They all commit to that kind of an action, and then,  
10 you know, it gets done pretty promptly.

11 MIKE WEBER: So INPO's expected to issue  
12 that assignment as early as today?

13 BILL BORCHARDT: Yeah.

14 MIKE WEBER: Wow. Good.

15 ERIC LEED S: That's good.

16 BILL BORCHARDT: Yeah.

17 ERIC LEEDS: So Bill, I'll call you right  
18 after this and go -- you know, we just started our  
19 brainstorming about how the Agency should get  
20 proactive on all of these.

21 BILL BORCHARDT: Okay. All right.

22 ERIC LEEDS: Okay.

23 BILL BORCHARDT: Thank you.

24 MIKE WEBER: Thank you.

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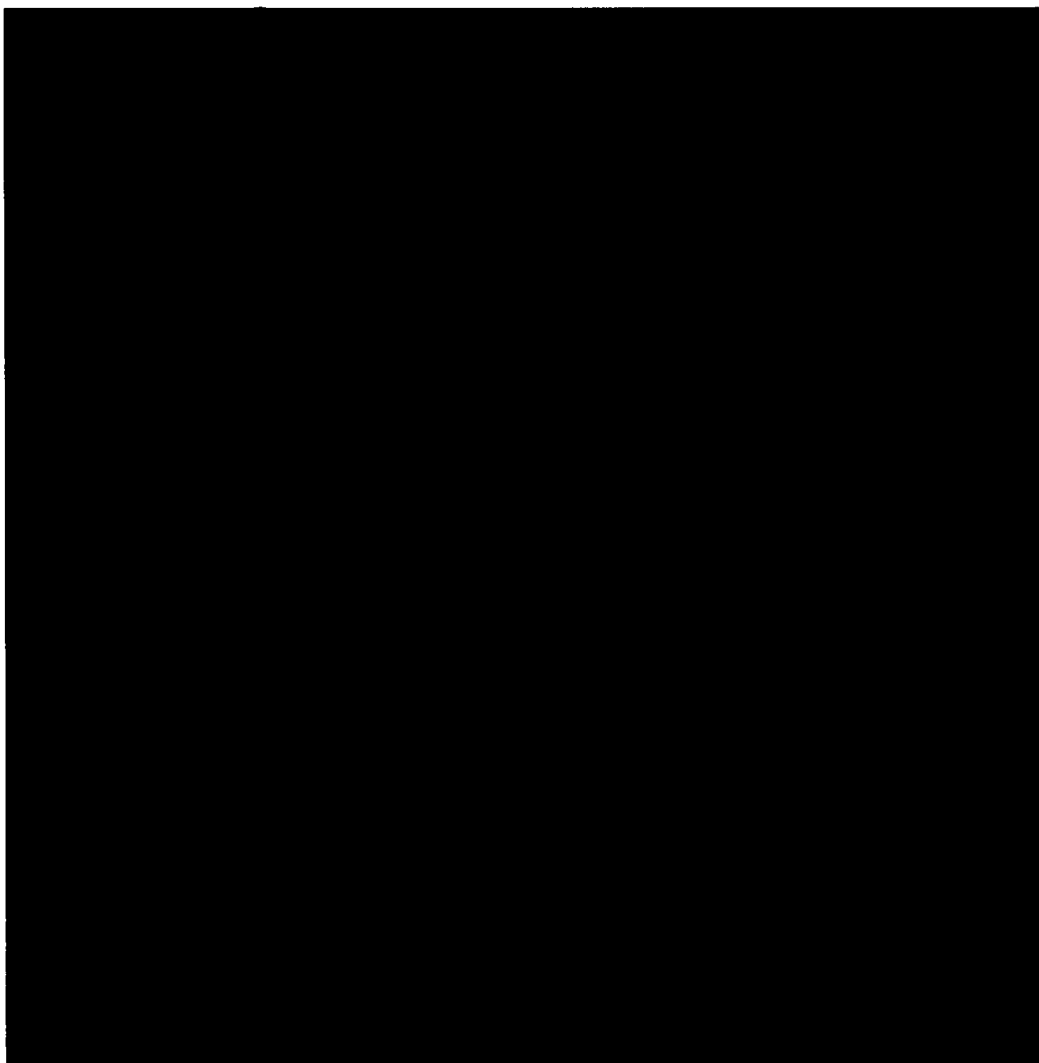
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1 (CONFERENCE CALL INITIATED.)

2 01:52:12/02:00:21

3 JOSH BASKIN: Hello, Mr. Weber. I'm  
4 calling to confirm that you got a readout call and see  
5 what, what your due-outs, understanding of the  
6 due-outs is.

7 MIKE WEBER: Jane had just started and  
8 then got a call, so we're momentarily waiting to get  
9 that rundown from her.



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25 MIKE WEBER: Okay.

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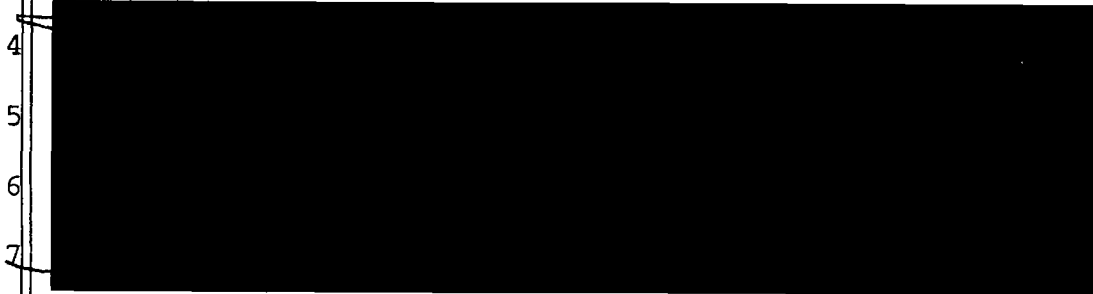
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1 JOSH BASKIN: Within probably the next 20  
2 minutes at this point.

3 MIKE WEBER: Within 20 minutes?



8 MIKE WEBER: That'll get it here.

9 JOSH BASKIN: You'll see what will go out  
10 with ours.

11 MIKE WEBER: Yeah, the challenge, as I see  
12 it, was, as you said, the data that support that. I'm  
13 not sure we have those data. From what we have last  
14 night, Josh, projectious [sic] plume baths that --

15 CHAIRMAN JACZKO: Mike?

16 MIKE WEBER: Go ahead.

17 CHAIRMAN JACZKO: Hi, this is the  
18 Chairman.

19 MIKE WEBER: Hi, Chairman.

20 CHAIRMAN JACZKO: Yeah, We need, we need  
21 that same information basically, and we need it run as  
22 quickly as possible so we can -- identical, just say,  
23 identical information just with the different with the  
24 non-X vessel core for Unit 2.

25 MIKE WEBER: Okay, so going back to like

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1 40-percent release?

2 CHAIRMAN JACZKO: Yeah, whatever, yeah,  
3 whatever we think right now is, is, is making this --  
4 so, yeah, that seemed to be a reasonable assumption is  
5 the 40-percent core.

6 MIKE WEBER: Okay. The -- do we have  
7 that, Charlie?

8 CHARLIE: I'll look.

9 MIKE WEBER: We'll have to check.

10 CHAIRMAN JACZKO: Well, let's not, let me  
11 make it this way: We have to get it, and we have to  
12 get it very quickly.

13 MIKE WEBER: Okay. We, we were also  
14 working on the spent fuel scenario, which appeared to  
15 be the source of the elevated rad readings.

16 CHAIRMAN JACZKO: Okay.

17 MIKE WEBER: But I don't know that we have  
18 that because we didn't have people that could do the  
19 modeling.

20 CHAIRMAN JACZKO: Okay.

21 MIKE WEBER: We'll, we're tracking that  
22 down.

23 CHAIRMAN JACZKO: Okay. Well, if -- the  
24 fuel pool from last night, that data, we should have.

25 MIKE WEBER: Are you talking about the

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1 elevated rad readings throughout the plant?

2 CHAIRMAN JACZKO: Yeah. I'm sorry, Mike;  
3 I'm tired. So I just -- we, we are putting out  
4 statements saying that we're comfortable with the  
5 protective action -- you gave me talking points that  
6 said we're comfortable with the protective action  
7 recommendations of the Japanese government.

8 MIKE WEBER: Correct.

9 CHAIRMAN JACZKO: So what people would  
10 like is data that supports that.

11 MIKE WEBER: Okay.

12 CHAIRMAN JACZKO: In as timely a manner as  
13 possible.

14 MIKE WEBER: Okay.

15 CHAIRMAN JACZKO: Okay, and I'll trust you  
16 to know what that is and I'll trust you to, to, to  
17 produce that for Eliot as soon as possible.

18 MIKE WEBER: Okay.

19 CHAIRMAN JACZKO: Okay?

20 MIKE WEBER: All right.

21 CHAIRMAN JACZKO: Thanks, Mike. Bye.

22 MIKE WEBER: Bye-bye.

23 What else, Josh?

24 (Audio interference.)

25 MIKE WEBER: Bill Borchardt, are you on?

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1 BILL BORCHARDT: I am.  
2 MIKE WEBER: Did you hear that?  
3 BILL BORCHARDT: I did.  
4 MIKE WEBER: Okay.  
5 CHARLIE: I need a nap.  
6 MIKE WEBER: Yeah, please.  
7 (Laughter.)  
8 MIKE WEBER: Twenty minutes is our ETA for  
9 that, so --  
10 CHARLIE: Yes.  
11 MIKE WEBER: So hustle it.  
12 CHARLIE: And counting.  
13 MALE PARTICIPANT: Twenty minutes has  
14 started but (inaudible).  
15 MIKE WEBER: Okay. Anything else, Jane?  
16 FEMALE PARTICIPANT: No. (Off mic.)  
17 MIKE WEBER: Okay. You got the, that was  
18 the --  
19 MALE PARTICIPANT: That's the hot items.  
20 MIKE WEBER: -- the hot items. And I --  
21 MALE PARTICIPANT: (Off mic.)  
22 MIKE WEBER: Eliot, are you on the press  
23 release?  
24 ELIOT BRENNER: Yeah, I'm working on that  
25 now.

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1 MIKE WEBER: Okay.

2 What else? You took too many notes.

3 MALE PARTICIPANT: I did. I've got to  
4 quit doing that.

5 MIKE WEBER: Yeah.

6 MALE PARTICIPANT: I'm getting tired to  
7 taking all the notes.

8 MIKE WEBER: We rely on the NSF staff for  
9 those detailed notes.

10 We'll focus our action --

11 [REDACTED]  
12 [REDACTED]  
13 [REDACTED]  
14 [REDACTED]  
15 [REDACTED]

16 [REDACTED]  
17 [REDACTED]  
18 [REDACTED]  
19 [REDACTED]  
20 [REDACTED]  
21 [REDACTED]  
22 [REDACTED]  
23 [REDACTED]

24 And the Chairman's direction is to start  
25 adding the plume stuff to our OUO report that we sent

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1 out. It's up to the ET's discretion with we do  
2 actual, projected, or both. There's a request for  
3 additional modeling information.

4 MIKE WEBER: Yeah. We don't have  
5 in-country, extensive rad measurements.

6 MALE PARTICIPANT: Right.

7 MIKE WEBER: So we shouldn't be thinking  
8 we do because we don't.

9 MALE PARTICIPANT: Right.

10 MIKE WEBER: We have a few radiation  
11 measurements around the plant that have been shared  
12 with us and we also have what we got from the Navy,  
13 and as far as I know, that's all we got.

14 MARGIE: (Off mic.)

15 MIKE WEBER: Yeah. At (Inaudible.)

16 MARGIE: Yeah, and again, it's not clear  
17 to me.

18 MIKE WEBER: Can you hear Margie?

19 MARGIE: Sorry. It's not clear to me  
20 what, that the Japanese necessarily -- if you have  
21 someone calling in -- that the Japanese necessarily  
22 have a reading at that same place because they do have  
23 a very extensive monitoring system, all those rings.  
24 But my thinking was the, after the tsunami, all of  
25 that would have been wiped out. But now --

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1                   Then that posture, I think, may get fuel a  
2 little bit of a conversation.

3                   MIKE WEBER: Okay.

4                   Anything else?

5                   (No response.)

6                   MALE PARTICIPANT: Let's do it again  
7 tomorrow morning at eight.

8                   MIKE WEBER: Wow. NIKE dropped 10  
9 percent.

10                  MALE PARTICIPANT: Yeah. That's --

11                  MARGIE: I know. What's going to happen  
12 (inaudible) Japan?

13                  MIKE WEBER: Well, we're not -- I mean --

14                  MARGIE: No, but I mean, even some stuff  
15 in Japan that isn't affected --

16                  MIKE WEBER: Okay, Bill. We're going to  
17 put you on mute again.

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1 (CONFERENCE CALL INITIATED.)

2 02:00:29/02:05:49

3 BILL BORCHARDT: Mike Weber, it's Bill.

4 SALLY: Bill, this is Sally. Mike stepped  
5 out. I'll look for them.

6 BILL BORCHARDT: No. It's no rash. When  
7 he comes back in, just ask him to, to talk to me on  
8 the bridge.

9 SALLY: Okay, sure.

10 (Standby.)

11 MIKE WEBER: Hey, Bill.

12 BILL BORCHARDT: Hi, Mike. A couple  
13 things. One is that I was -- the Chairman just came  
14 over to talk to me. He's going to be leaving to try  
15 to get some rest --

16 MIKE WEBER: Okay.

17 BILL BORCHARDT: -- for the afternoon.  
18 And he's also hoping that he can implement a little  
19 change in operational tempo for himself in that he  
20 will not be present, hopefully, you know, during the  
21 midnight shift especially.

22 MIKE WEBER: Okay.

23 BILL BORCHARDT: To help the, the ET  
24 director on the back shifts, Marty's going to adjust  
25 his schedule to do overlaps between Jack and Dan's

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1 shift.

2 MIKE WEBER: Okay.

3 BILL BORCHARDT: So Marty will be kind of  
4 working the --

5 MIKE WEBER: The swing shift?

6 BILL BORCHARDT: Well, you know, kind of,  
7 maybe not the entirety of both shifts. But to be his,  
8 his -- Marty's schedule will be aligned with daytime  
9 in Japan is probably the best way of saying it.

10 MIKE WEBER: Okay.

11 BILL BORCHARDT: So we won't have, we  
12 won't have Marty on the watch bill, per se, and you  
13 know, he won't be infringing on the ET director's  
14 role, but he'll be there as an added resource and to  
15 help coordinate different things.

16 MIKE WEBER: Okay.

17 BILL BORCHARDT: All right. So, and  
18 we'll, that'll impact you by you being on day shift  
19 and not alternating with Marty.

20 MIKE WEBER: Understood.

21 BILL BORCHARDT: Then, regarding the  
22 hearing, just for your background, that's, you know,  
23 scheduled for tomorrow morning.

24 I've already talked to \*Jim Dyer (phon).  
25 I think the staff, mostly Dyer and \*Rebecca Schmidt

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1 (phon), will need to be prepared to brief the Chairman  
2 sometime late this afternoon or early evening on, on  
3 budget activities, although that will be the minor,  
4 very minor element of the hearings tomorrow morning.

5 MIKE WEBER: Right.

6 BILL BORCHARDT: And then we could expect  
7 that, that the Chairman will want to get an update  
8 tomorrow morning, obviously, before he goes into the  
9 hearing, on the Japan event.

10 MIKE WEBER: Okay.

11 BILL BORCHARDT: And so I guess that's all  
12 I have.

13 MIKE WEBER: Hey, the situation back here  
14 -- you were on the call with the Chairman where he  
15 said he wanted to attach the data runs to our press  
16 release?

17 BILL BORCHARDT: Yes.

18 MIKE WEBER: Cindy recalls from the  
19 conversation on the call that it was focused on the  
20 interagency sharing those data runs and ensuring that  
21 we have a common understanding of them but not to  
22 attach them to the press release.

23 So what we have, you know, we're still  
24 looking at the 40-percent release for Unit 2.

25 BILL BORCHARDT: Yeah.

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1 MIKE WEBER: But that's not the current  
2 situation, as we understand it, with respect to the  
3 plant.

4 BILL BORCHARDT: Right.

5 MIKE WEBER: So there's sensitivity about  
6 attaching that, and if not that, then what would you  
7 attach?

8 We, we're in an interagency call right now  
9 where we're confirming among the agencies that people  
10 are comfortable with the adequacy of the corrective  
11 action recommendations, but that doesn't manifest  
12 itself as some sort of document that can be attached  
13 to the press release.

14 BILL BORCHARDT: Yeah, I see. Wow.

15 MIKE WEBER: Yeah, so that -- and I talked  
16 Eliot, and Eliot said no, the Chairman said he wants  
17 the data run attached.

18 So what we could do is we could write up a  
19 short statement which would summarize --

20 Hey, Jeff \*Merrifield's on.

21 We can write up a short statement which  
22 summarizes at a high level the basis for why we think  
23 the protective action recommendations are adequate.  
24 But I don't think it's advisable for us to actually  
25 attach the dose projections.

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1 BILL BORCHARDT: Right, yeah, because it  
2 would be, if anybody took the time to really look at  
3 it, it could be misleading.

4 MIKE WEBER: Yeah, and I think it would  
5 heighten a lot of fear that is not necessary.

6 BILL BORCHARDT: Yeah. You know, I wasn't  
7 in on the, the call, the eight o'clock call that the  
8 Chairman had. I think the only person that was, was  
9 Josh.

10 MIKE WEBER: It was Josh, Jane, and Cindy,  
11 and somebody from the Reactor Safety Team was on.

12 BILL BORCHARDT: Yeah.

13 MIKE WEBER: So that's our current status  
14 back here.

15 BILL BORCHARDT: Okay.

16 MIKE WEBER: If something changes, we'll  
17 let you know.

18 BILL BORCHARDT: Yeah, well, I'll be over  
19 in 20 minutes too.

20 MIKE WEBER: Okay.

21 BILL BORCHARDT: Thanks.

22 MIKE WEBER: See you soon.

23 MIKE WEBER: Bye.  
24  
25

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1 (CONFERENCE CALL INITIATED.)

2 2:06:55/02:07:12

3 (Extraneous conference call omitted.)

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1 (CONFERENCE CALL INITIATED.)

2 02:07:24/02:09:18

3 CHARLIE MILLER: Hey, Eliot?

4 ELIOT BRENNER: Yes, Charlie.

5 CHARLIE MILLER: Hey, Eliot, I'm, I'm  
6 looking at the press release here. Did you  
7 intentionally take out the piece about the doses being  
8 some fraction --

9 MALE PARTICIPANT: Small fraction.

10 CHARLIE MILLER: -- small fraction of 1  
11 rem and 5 rem?

12 ELIOT BRENNER: Unintentionally?

13 CHARLIE MILLER: Yeah. I'm concerned that  
14 it's been taken out, and without it, it may be  
15 interpreted, misinterpreted that that's what the doses  
16 might be near, given that they've had the evacuations.  
17 And then people will do mischief with those numbers.

18 ELIOT BRENNER: Okay, do me a favor.

19 CHARLIE MILLER: Yeah.

20 CHARLIE MILLER: Go in, talk with Dave  
21 McIntyre.

22 DAVE MCINTYRE: I'm right here.

23 CHARLIE MILLER: He's here. He's with me.

24 ELIOT BRENNER: Dave, make whatever change  
25 they need. Make sure Brenda gets it. Tell her to

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1 hold a second. If it's gone out, send it out again.

2 I, I was just working so fast, I tried to  
3 reconstruct it from memory.

4 CHARLIE MILLER: Okay. Did, did you take  
5 with you that little paragraph I gave you again?

6 ELIOT BRENNER: I may have. Hold on a  
7 second.

8 One should never eat, drive, and talk on  
9 the cell phone at the same time. That's just a life  
10 lesson for everybody.

11 MIKE WEBER: Don't even --

12 ELIOT BRENNER: Oops. Just a second. No.  
13 It may be either on my desk or sitting right on top  
14 of the, top file on the trashcan.

15 CHARLIE MILLER: All right.

16 ELIOT BRENNER: As I am occasionally wont  
17 to do.

18 So if you need to fix it up, fix it.

19 CHARLIE MILLER: We'll work it.

20 ELIOT BRENNER: And my, my apologies for  
21 screwing it up.

22 MIKE WEBER: We'll get on it.

23 CHARLIE MILLER: We, we caught it in time.

24 No problem.

25 ELIOT BRENNER: Thank you.

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MIKE WEBER: Thanks, Eliot.

MALE PARTICIPANT: Thanks, Eliot.

ELIOT BRENNER: Bye-bye.

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1 (CONFERENCE CALL INITIATED.)

2 2:09:27/02:11:16

3 JEFF: Hello, Bill.

4 BILL BORCHARDT: Hi, Jeff. How are you?  
5 Are you busy right now or do you have time to give me  
6 a quick update?

7 JEFF: I certainly have time to give you a  
8 quick update. Essentially there's -- when was your  
9 last update, Bill?

10 BILL BORCHARDT: I got -- about 11  
11 o'clock, before I came down down for the Congressional  
12 brief.

13 JEFF: Okay. We're just continuing to  
14 work issues. There's no substantive change in the  
15 conditions of the plants in Japan. We have concerns  
16 with, we continue to have concerns with Units 1, 2, 3,  
17 and 4. Four is at low water level in the spent fuel  
18 pool. The other three units appeared to be more  
19 stable, at least than they were last time I was on  
20 shift.

21 MALE PARTICIPANT: Keep it that way.

22 JEFF: Yeah, we're going to keep it that  
23 way.

24 We continue to work radiological support  
25 team. We continue to try to get information on

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1 radiological conditions, and I just am finishing up  
2 for turnover.

3 Is there anything specific, Mike?

4 Mike's still here. He's just on his way  
5 out.

6 Anything specific you can think of?

7 (No response.)

8 JEFF: It's pretty quiet here. It's just  
9 routine, keeping people up to date, responding to  
10 questions and trying to get the information flow as  
11 healthy as we can from Japan.

12 BILL BORCHARDT: Okay. Well, thanks.  
13 I'm, I'm still downtown. I'm going to be meeting with  
14 the Chairman shortly to, we're having the hearing  
15 pre-brief down here.

16 JEFF: Okay. Do, do you have all the  
17 support you need for that?

18 BILL BORCHARDT: Okay. Well, thanks. If  
19 there's anything, you can call my BlackBerry.

20 JEFF: Okay. Thanks a lot.

21

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1 (CONFERENCE CALL INITIATED.)

2 02:11:26/02:13:41

3 (Standby until 2:13:19.)

4 (Extraneous conference call omitted.)

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1 (CONFERENCE CALL INITIATED.)

2 02:13:58/02:18:08

3 (Standby until 02:16:43.)

4 JIM WIGGINS: Hey, this is Jim Wiggins.  
5 I'm on the line here.

6 JACK GROB: Hey, Jim, this is Jack.  
7 Apparently, at 8:30 this morning, the EDO provided  
8 some direction regarding ops center operations and one  
9 of the things that's -- I'm, I'm just finally getting  
10 through reading the chronology -- one of the things is  
11 that the ops center tech staff should be supplemented  
12 while it is daytime in Japan, which would be starting  
13 around seven o'clock p.m. here.

14 JIM WIGGINS: Yeah, it's 12 hours off.  
15 Yeah.

16 JACK GROB: Yeah, the, I was wondering if,  
17 if \*INSR take any actions to define a new staffing  
18 level for the tech staff in the PMT and RST. Are you  
19 aware of this at all?

20 JIM WIGGINS: No. I've been in [REDACTED]  
21 [REDACTED] for this whole thing. Michelle's been  
22 watching the store.

23 JACK GROB: Michelle.

24 JIM WIGGINS: You know, I'm not even going  
25 to be around until Thursday. Early. I figured I'd

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1       come in --

2               JACK GROB:   Peru?

3               JIM WIGGINS:  -- yeah, I've been on leave.  
4       Every time I go on leave, something big happens.

5               JACK GROB:   Okay.   Well, let's make sure  
6       we cancel your leave from now on.

7               JIM WIGGINS:  Yeah, don't approve it.

8               I would suggest you get Michelle on the  
9       line and talk to her.

10              JACK GROB:   I'll do it.

11              JIM WIGGINS:       Either her or Brian  
12       McDermott.

13              JACK GROB:   Okay.   Thank you, sir.

14              JIM WIGGINS:  All right.

15              JACK GROB:   Sorry to bother you.

16              JIM WIGGINS:  That's all right.  I'll see  
17       you guys on Thursday.

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1 (CONFERENCE CALL INITIATED.)

2 02:18:22/02:19:02

3 MICHELLE EVANS: Hello, this is Michelle.

4 JACK GROB: Michelle, this is Jack. I'm,  
5 I'm an ET in the ops center. There was a direction  
6 this morning at 8:30 to supplement the tech staff in  
7 the ops center essentially between 7:00 p.m. and 3:00  
8 a.m.

9 Do you, do you know anything about that?  
10 Did you take action to augment the tech staff in the  
11 ops center during those hours?

12 MICHELLE EVANS: Did I take action? We --  
13 you know what, you want me to come in there? I'm in  
14 my office.

15 JACK GROB: Oh, that would be wonderful.

16 MICHELLE: Yeah, let me come in. All  
17 right. I'll be there in a minute. Bye.

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1 (CONFERENCE CALL INITIATED.)

2 02:19:10/02:21:38

3 BILL BORCHARDT: Yeah, it is Jeff?

4 JACK GROB: No. He's in with the  
5 Chairman. The Chairman's briefing the other  
6 commissioners.

7 BILL BORCHARDT: Okay. We're just, e're  
8 just wrapping up the hearing press for the Chairman.

9 JACK GROB: Okay.

10 BILL BORCHARDT: Okay, and so there's two  
11 things we'll need to have prepared and ready to go by  
12 6:30 tomorrow morning.

13 JACK GROB: Okay.

14 BILL BORCHARDT: And I'll need 10 copies  
15 of each. I'll pick them up in the, I'll come up to  
16 the ops center sometime around 7:00 o'clock or so  
17 tomorrow morning.

18 The first one is an update of the NRC  
19 talking points similar to the version that says "  
20 current as of 3/15/11 10:15 a.m." And that's just  
21 some of the major talking points, and then a rundown  
22 of the plant reactor status for the six units.

23 LARRY CAMPER: Bill, Larry Camper. We  
24 have a version as of 7:10 that we just finished  
25 updating.

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1 BILL BORCHARDT: Yes, that's fine. So all  
2 I need -- I mean, all I mean to tell you is the same  
3 format.

4 LARRY CAMPER: Okay.

5 BILL BORCHARDT: Hopefully, you'll do an  
6 update again for, again, you know, tomorrow morning  
7 early.

8 LARRY CAMPER: Exactly. Will do.

9 BILL BORCHARDT: So I'll need 10 copies of  
10 that, and then also 10 copies of the, just the ops  
11 center status update. And I know there's a lot of  
12 duplication of information between the two, but we  
13 just need both of those.

14 LARRY CAMPER: We just, just finished  
15 proofing that, by the way, the current version and  
16 fired that out. We did add some information, you  
17 know, that INPO sent out to the industry that was  
18 about four actions (inaudible) take.

19 BILL BORCHARDT: Yeah, that's good.

20 LARRY CAMPER: Yes.

21 BILL BORCHARDT: Okay, so that's great.  
22 So, if I can just get 10 copies of each of those  
23 reports around seven o'clock tomorrow morning, I'll  
24 come up and pick them up, and I'll head down to the  
25 hearing and give them to the Chairman and the other

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1 NRC people.

2 JACK GROB: All right. We'll let you know  
3 when it's ready.

4 BILL BORCHARDT: Thank you very much.

5 JACK GROB: Okay. We'll let you know when  
6 that's ready.

7 BILL BORCHARDT: All right. Bye.  
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1 (CONFERENCE CALL INITIATED.)

2 02:22:07/02:41:37

3 (Standby until 02:24:07)

4 (Roster playback.)

5 JACK GROB: Good evening. This is Jack  
6 Grob in the ops center. I want to give a brief update  
7 on the plant status. You should have all received  
8 electronically the two-page briefing sheet as well as  
9 the larger ops center status update.

10 The, let me talk generically about the  
11 Units 1, 2, and 3. The status has essentially not  
12 changed since the last update. All three units have  
13 experienced some level of fuel damage. The, all three  
14 units have seawater being injected. The only  
15 difference between the three is Unit 2 is viewed as  
16 less stable than Units 1 and 3, that that's the  
17 seawater injection.

18 All three units have experienced the loss  
19 of secondary containment, but I believe the primary  
20 containment is intact. And the dose rate at the site  
21 boundary, and it's the same site boundary for all  
22 three units, is on the order of 60 millirem per hour.

23 There were spikes of higher dose rates previously,  
24 but the dose rates have been, to our knowledge, 60  
25 millirem per hour. So that's the Units 1, 2, and 3.

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1 Unit 4 is the unit but experienced a, a  
2 lubricating oil fire yesterday. We had reports that  
3 it has just experienced another fire. Dose rates  
4 inside the facility are reported in the 30 R per hour  
5 range, and it's believed that that's a stable dose  
6 rate not associated necessarily with the fire, due to  
7 lower spent fuel pool water levels. So that would be  
8 a shine dose rate from the spent fuel due to reduced  
9 shielding. That, of course, complicates any  
10 activities to fight fires.

11 Through news reports, we understand that  
12 the utility is evaluating removing a section of the  
13 roof or removing a section of the wall and fighting  
14 the fire from, from external locations.

15 Units 5 and 6 -- no unstable situations  
16 other than we understand the spent fuel pools are  
17 warming up, and the last number that we had on that  
18 was 80-some degrees centigrade.

19 The, the other units are not experiencing  
20 any challenges, the other nuclear units in Japan.

21 There's a couple items that are of  
22 interest, I believe. First, our team will be arriving  
23 over the next several hours. A significant portion of  
24 the team will arrive at 10:00 p.m. our time, with the  
25 remaining two individuals arriving -- Casto will

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1 arrive just after midnight and one of the other tech  
2 staff will arrive at about three in the morning our  
3 time. So those are late morning to early afternoon  
4 Japan time.

5 One of our priorities the rest of this  
6 evening is getting established with, some relationship  
7 with our team and communication connectivity.

8 The, the Japanese government has accepted  
9 US support in a number of areas -- first off with  
10 equipment, and they've made specific requests for  
11 equipment, and the military is facilitating getting  
12 that equipment for them; monitoring by the Department  
13 of Energy radiological assistance program; and they've  
14 requested potassium iodide. That monitoring will be  
15 land-based as well as air-based monitoring.

16 One of our other priorities is to get  
17 connected with that data stream, and that will be, I  
18 think, a consistent, high-quality stream of data that  
19 we can use to help understand what's going on. We  
20 still struggle with access to information and we're  
21 still working on trying to enhance our stream of  
22 information.

23 The final thing I wanted to highlight, and  
24 then open it up for questions, is that the Institute  
25 of Nuclear Power Operations their highest level event

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1 document. They call it a Level-I Event Report. It's  
2 required of each utility in the United States to take  
3 four actions and report back to info. Those four  
4 actions are an assessment, an evaluation of the  
5 readiness and adequacy of the B5B equipment and  
6 procedures; experience and management guidelines;  
7 station blackout mitigation capability; and finally,  
8 issues associated with internal and external flooding  
9 and fire events, similar to what could be experienced  
10 during a seismic event. So it's our understanding  
11 that that was issued today.

12 That is a very high-level summary of  
13 what's going on today, and, and I'm prepared to answer  
14 any questions.

15 MICHAEL MARSHALL: This is Michael  
16 Marshall. I just had a question about the status  
17 report, in particular, the table in there provided by  
18 IAEA. There's a couple things I didn't understand.  
19 On the suppression pool pressure line, what does "D/S"  
20 stand for?

21 JACK GROB: I'm not sure, Mike. The, we  
22 can get back to you with that. We can send you an  
23 email.

24 MICHAEL MARSHALL: Okay. And the other  
25 thing I wasn't quite clear on was, was the distinction

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1 being made between reactor pressure vessel pressure in  
2 the second line, and if A and B had any significance  
3 in the second line and fourth line.

4 JACK GROB: Let me, let me -- this  
5 information is somewhat dated. We're actually going  
6 through a procedure right now to try to develop some  
7 consistency in how we prepare these reports because  
8 they've grown over the last several days, and I think  
9 we need to clean them up a bit.

10 MICHAEL MARSHALL: Okay.

11 JACK GROB: If you look at these, the data  
12 for example in the fourth line, Reactor Level, it  
13 would indicate that Units 1 and 2, there's substantial  
14 fuel exposure exposed without being cooled and the  
15 water level is below the top of the active fuel,  
16 whereas Unit 2, it's above the top of the active fuel.

17 We don't know -- this information is  
18 approximately 10:00 p.m. our time yesterday, and we're  
19 not sure what relevance this information has to us  
20 today, right now. So we're trying to understand if we  
21 can update this information. If not, we're just going  
22 to delete it and, and go with the information that  
23 we're getting from our folks on the ground in Japan,  
24 which is what's summarized plant by plant.

25 MICHAEL MARSHALL: Understood. Thank you.

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1 JACK GROB: Other questions?

2 MIKE FRANOVICH: Jack, this is Mike  
3 Franovich. I see INPO, as you discussed, has taken  
4 some action here. Are we considering doing something  
5 here in the way of notifying licensees with other  
6 issues that may be of interest to us? Are we going to  
7 rely on their action here?

8 JACK GROB: We are not contemplating any  
9 prompt action at this time regarding our licensees.

10 MALE PARTICIPANT: But I do know that we  
11 are thinking about a communication and, and the action  
12 to do that has been linked with, this is something to  
13 look at (inaudible).

14 JACK GROB: But Mike, if we do something  
15 like that, it will probably be days if not weeks out.  
16 It's not near-term.

17 The, I guess -- oh, go ahead. Did that  
18 answer your question, Mike?

19 MIKE FRANOVICH: No, no, it did. And I  
20 realize it's, it's going to take some time here, and  
21 it's good to see that INPO took action. At least  
22 we'll be able to say there is some notification out  
23 there, even though it's not ours. But, no, you didn't  
24 answer the question.

25 But back on the table for a moment on what

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1 Mike had commented, I found the table, as a concept,  
2 very useful year except for the units. If, the next  
3 go around, it would be nice to have that back into the  
4 units that we're more accustomed to here in our  
5 country.

6 JACK GROB: Yep, it took me a while to  
7 figure out how to convert pascals to PSI myself.

8 MIKE FRANOVICH: Yeah, and I got my  
9 spreadsheet, but I, it would be nice to have that as,  
10 somebody on the RST just take a cut at it.

11 JACK GROB: And I'll be quite frank. The,  
12 our access to information like this is extremely  
13 limited. So our ability -- even though those came  
14 from IAEA -- our ability to validate this and have  
15 confidence in it is equally limited.

16 You know, we could -- I'm very  
17 uncomfortable with the information. First off, as I  
18 mentioned earlier, it's dated. It's almost 24 hours  
19 old, and, and we don't know where this information  
20 came from and how accurate it is.

21 MIKE FRANOVICH: Yeah.

22 JACK GROB: We're, we're struggling right  
23 now to enhance our data stream, and we're working this  
24 evening with info to to find out if there's ways to do  
25 that through WANO. But availability of information is

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1 one of our biggest challenges.

2 MIKE FRANOVICH: Let's take a moment and  
3 look at Unit 2 for a moment. We seem to be now  
4 comfortable, or more comfortable, that primary  
5 containment was not reached last evening, where we had  
6 those earlier reports back about 24 hours ago.

7 What, why are we moving in that direction  
8 that we're comfortable that the primary containment is  
9 intact?

10 JACK GROB: It's retaining pressure, is  
11 the information we have.

12 MIKE FRANOVICH: Are we using this table  
13 to make that basis? Is that what's driving it?

14 JACK GROB: I, I don't have the details,  
15 but the Reactor Safety Team has indicated that they  
16 have a higher level of confidence that the primary  
17 containment is retaining pressure.

18 As, as you folks are aware, there are  
19 vacuum breakers between the torus and the dry well, as  
20 well as between the torus and the reactor building.  
21 And these are intended to prevent a collapse of the,  
22 the containment structure as well as deal with  
23 differential pressures internal with containment.

24 The, it could very well be that one of  
25 those vacuum breakers popped open briefly, released

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1 pressure and containment, and then reclosed. Of  
2 course, for some reason, there was -- if you recall,  
3 last evening, there was a noise heard at the time.  
4 Possibly, there was a localized detonation. You may  
5 recall that they opened a hole in the roof of Unit 2  
6 secondary containment to relieve hydrogen build-up,  
7 but there may have been a pocket of hydrogen somewhere  
8 else in the reactor building that detonated that maybe  
9 opened a vacuum breaker.

10 We don't actually know what happened, but  
11 it's been reported to us that primary containment is  
12 retaining pressure now. So that gives us an  
13 indication that it's intact.

14 REBECCA: Jack, this is Rebecca. Do, do  
15 we know anything about that new fire in Unit 4?

16 JACK GROB: Yes. I apologize for not  
17 mentioning that. It's, I thought I did. It's been  
18 reported as a fire that may have initiated from  
19 hydrogen gas because of low water levels in the spent  
20 fuel pool. There's no indication that it's a zirc  
21 fire.

22 There's no indication, actually, what's  
23 burning, but there was an indication via the media  
24 that there is a fire which started roughly three and a  
25 half hours ago. And it was being reported by a Tepco

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1 individual who was being interviewed by the media,  
2 that they are not taking actions to -- I said they are  
3 not taking actions to -- extinguish the fire at this  
4 time because of the dose rates in the reactor  
5 building. And they're looking at actions to, to  
6 attack the fire.

7 So we don't know what's burning. The  
8 previous fire was a lube oil fire, and so we're, we're  
9 monitoring this and trying to get more information.

10 Other questions?

11 MIKE FRANOVICH: Jack, Mike again. I have  
12 one more question for you. On the, the operators  
13 there at the plant, do we know if Tepco is cycling  
14 people in and out?

15 JACK GROB: We don't know that. What we  
16 do know is that yesterday they evacuated what they  
17 considered nonessential personnel, and it's our  
18 understanding that 50 staff remain on site.

19 You may recall, yesterday, that some dose  
20 rates were extremely high. We have reports that  
21 they're -- and I apologize for the lack of informative  
22 nature of what I'm going to say -- that we have  
23 reports that five individuals received lethal doses of  
24 radiation. And, and we all know what that means. If,  
25 in fact, the dose rates in the vicinity were 40 to 60

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1 R per hour for a few hours and these folks were having  
2 to do work, then it's, it's possible that they  
3 received a couple of hundred R exposure.

4 But that's the level of --

5 HOO: Headquarters Operations Officer.  
6 Chairman Jaczko is coming up on the bridge.

7 JACK GROB: -- where having great  
8 difficulty confirming that information right now.

9 And again, we're looking for other  
10 opportunities to open up data streams so that we can  
11 get more information to be able to be able to --

12 CHAIRMAN JACZKO: Jack?

13 JACK GROB: So we don't know they're  
14 cycling people in and out. The dose rates that are  
15 being reported, the latest dose rates we have, are 60  
16 millirem per hour in the epi-site boundary. So the  
17 radiological conditions are much more hospitable on  
18 site than they were previously.

19 CHAIRMAN JACZKO: Hey, Jack?

20 JACK GROB: Any other questions?

21 MALE PARTICIPANT: Somebody's trying to  
22 get you.

23 JACK GROB: Yeah, I think somebody's  
24 trying to get in, but I can't hear him.

25 CHAIRMAN JACZKO: Hey, Jack?

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1 JACK GROB: Yeah, there he is.

2 CHAIRMAN JACZKO: Can you hear me?

3 JACK GROB: Yes.

4 CHAIRMAN JACZKO: Do you, do we have any  
5 new developments? Apparently, CNN is reporting a  
6 fire.

7 JACK GROB: Yes. That's what we were  
8 talking about in Unit 4. There's been a report that  
9 at, beginning at 5:45 local time in the morning -- so  
10 that's almost four hours ago -- there's a report of a  
11 fire in Unit 4. The dose rates in Unit 4 make it  
12 prohibitive to locate that fire, so they're evaluating  
13 options. We don't have any report that the fire is  
14 out.

15 CHAIRMAN JACZKO: The spent fuel pool, or  
16 just --

17 JACK GROB: Well, it's in the building  
18 that houses the spent fuel pool, but we don't have any  
19 indication that it's actually a fuel fire.

20 CHAIRMAN JACZKO: Yeah. Do we have any  
21 dose measurements?

22 JACK GROB: The only dose rate information  
23 that we have is kind of a general area dose rate in  
24 the building of 30 R per hour. A site boundary dose  
25 rate was reported previously at 60 millirem per hour,

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1 and we don't have any update of that.

2 We believe that 30 R per hour is a shine  
3 demonstrated from lower, lowered water levels in the  
4 spent fuel pool.

5 [REDACTED]  
6 [REDACTED]  
7 [REDACTED]  
8 [REDACTED]  
9 --

10 JACK GROB: We, we remain very comfortable  
11 with the protective action recommendations that the  
12 Japanese government has issued. We believe it's  
13 consistent with our understanding of the radiological  
14 conditions -- excuse me -- and also consistent with  
15 what actions we would take.

16 CHAIRMAN JACZKO: Okay. So, if you start  
17 to lean forward in a way (audio interference), let me  
18 know early because --

19 (Chairman dropped off.)

20 JACK GROB: You dropped off, Chairman.

21 MALE PARTICIPANT: At this point, just  
22 tell him that we'll keep him in the loop.

23 JACK GROB: Yes. Mr. Chairman, if there's  
24 any updates or changes in what we're aware of, we'll  
25 keep you informed.

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1 HOO: The Chairman dropped off the line.

2 JACK GROB: Okay.

3 Mike, could you take care of that for us?

4 MIKE WEBER: Yes. I'll make sure he  
5 knows.

6 JACK GROB: Okay. Any other questions?

7 (No response.)

8 JACK GROB: Okay. Very good. Thank you  
9 very much.

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1 (CONFERENCE CALL INITIATED.)

2 02:41:42/02:51:24

3 JIM TRAPP: Yeah, hello. This is Jim  
4 Trapp. Hello?

5 JACK GROB: Hey, Jim, this is Jack Rowe.  
6 Hold on for a second. Okay?

7 JIM TRAPP: Okay.

8 JACK GROB: Hey, Jim, I wanted to cover a  
9 couple of things with you just real quick. I know  
10 that you've been talking rather consistently with the  
11 reactor safety and protective measures folks, and  
12 that's great. I really appreciate that. I hope  
13 you're getting enough sleep, both you guys.

14 The first thing I wanted to know -- do you  
15 have the, the latest information on the arrival of the  
16 other guys and gals?

17 JIM TRAPP: We do.

18 JACK GROB: Okay; good. And do you have  
19 their hotel information as well?

20 JIM TRAPP: Yes, we do.

21 JACK GROB: Okay. Good. And have you  
22 established how you're going to connect with them?

23 JIM TRAPP: I suspect they're going to  
24 come to the embassy. The hotel is right across the  
25 street.

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1 JACK GROB: Okay. Do you have contact  
2 phone numbers and things like that for these guys?

3 JIM TRAPP: Do I?

4 JACK GROB: Yes.

5 JIM TRAPP: No, but you know, it's a good  
6 suggestion to add that. There is a table with  
7 everybody's names, and if we could add cell phone  
8 numbers to that, that's a good idea.

9 JACK GROB: Okay. So we will get you that  
10 table again electronically and we'll add whatever  
11 international cell phone numbers that we have for  
12 those guys.

13 JIM TRAPP: Well, regular cell phones work  
14 well here if you've got Verizon.

15 JACK GROB: Whatever cell phones they have  
16 that are functioning in Japan.

17 FEMALE PARTICIPANT: Now, we may not know  
18 what their cell phones numbers are until we talk to  
19 them, but --

20 JACK GROB: Those numbers are already on  
21 the table.

22 FEMALE PARTICIPANT: Yeah, this one  
23 actually shows everybody's number.

24 JACK GROB: That's where I get his number  
25 from all the time.

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1 Jim, the phone numbers -- do you have the  
2 table called "NRC Traveler Information in Japan"?

3 FEMALE PARTICIPANT: And we are trying,  
4 we're (inaudible).

5 JACK GROB: Jim, are you still there?

6 JIM TRAPP: Yes, I am. Yes I have that  
7 table.

8 JACK GROB: Okay, and the seventh column  
9 over lists the cell phone numbers.

10 JIM TRAPP: Oh, does it? Okay. We're all  
11 set.

12 JACK GROB: We'll confirm those are valid,  
13 but I wanted to make sure you have those.

14 JIM TRAPP: Very well.

15 JACK GROB: The second thing, the second  
16 thing I wanted to cover with you was, I understand  
17 that you're still having difficulty getting  
18 consistent, high-quality information stream. Is that  
19 correct?

20 JIM TRAPP: That is correct.

21 JACK GROB: And I understood that, that,  
22 that you think that there might be some possibility --

23 FEMALE PARTICIPANT: Yes, I don't know how  
24 --

25 JACK GROB: I understand that, that you

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1 think there might be a possibility of getting better  
2 access if you had some connectivity with WANO. Is  
3 that correct?

4 JIM TRAPP: I, you know, I'm -- Jack, I'm  
5 reaching out at any channel that I can reach out to,  
6 to get us injected into, into somewhere that we can  
7 get, you know, a steady, dynamic stream of  
8 information.

9 JACK GROB: Okay. I, I was considering  
10 calling [REDACTED] [REDACTED] that INPO to see if he could  
11 influence -- are you aware that WANO is getting better  
12 information than we are from Tepco?

13 JIM TRAPP: Well, I've read their  
14 information. They're getting information.

15 You know, but some of it -- Jack, I mean,  
16 to be honest with you, yesterday, we went to a press  
17 conference. We were in the office of the Prime  
18 Minister of Japan. He called us over at immediate  
19 requirement. We ran over there and they gave us a  
20 bunch of stuff throughout the day. And all kind of  
21 petered out.

22 So, you know, we were going down one road  
23 based on what we were told. And, you know, I  
24 understand this is a dynamic situation but, you know,  
25 both Tony and I were a little disappointed that, you

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1 know, [REDACTED]

2 [REDACTED]

3 JACK GROB: Okay. I'm going to -- is  
4 there anything other than contacting INPO that you  
5 think might be able to provide assistance to you in  
6 opening up information channels?

7 JIM TRAPP: You know, I think that's  
8 probably, I think that's probably our best bet. You  
9 know, if we could invest somebody on the, on their  
10 WANO team that I think is coming in, you know, that's  
11 be a great piece of work.

12 JACK GROB: Okay. And I'll also to Margie  
13 Doan and see if there's anything we can do  
14 diplomatically to get access to better information.

15 JIM TRAPP: [REDACTED] [REDACTED] [REDACTED] [REDACTED]

16 [REDACTED]  
17 [REDACTED]  
18 JACK GROB: Okay.

19 JIM TRAPP: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]

20 [REDACTED]  
21 [REDACTED]  
22 JACK GROB: Okay. Anything else I can do  
23 for you?

24 JIM TRAPP: No. We're doing fine. Just,  
25 all I can ask for is patience.

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1 JACK GROB: Okay, hang on for a second  
2 Jim.

3 MARTY VIRGILIO: Jim, this is Marty. How  
4 are you doing?

5 JIM TRAPP: I'm doing fine.

6 MARTY VIRGILIO: Good. Are you getting  
7 sleep?

8 JIM TRAPP: I can't lie to you, Marty.

9 MARTY VIRGILIO: How are you and Tony  
10 setting up your shift? I mean, are you trying to  
11 provide 24-hour coverage with two people or 24-hour  
12 coverage --

13 JIM TRAPP: We were, we were asked, we  
14 were really -- it goes beyond asked -- but we were  
15 basically told that, that we needed to be there. And  
16 to be quite honest with you, it's a lot more than one  
17 guy on days and one guy on nights because a lot of the  
18 responsibilities have overlapped.

19 MARTY VIRGILIO: Yeah.

20 JIM TRAPP: But we've been, we've been  
21 working about 20-hour days.

22 MARTY VIRGILIO: Okay, you need to take  
23 care of yourself.

24 JIM TRAPP: Yeah, I'll be fine.

25 MARTY VIRGILIO: So what's going to happen

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1 --

2 JIM TRAPP: The troops are on the way  
3 here.

4 MARTY VIRGILIO: Yeah, good. Now, what  
5 are your thoughts for when the troops arrive? Because  
6 I think once you give Chuck an initial briefing as he  
7 comes on --

8 JIM TRAPP: Yes.

9 MARTY VIRGILIO: -- we may want to set up  
10 -- and he has a little bit of time, I think -- I'd  
11 like to engage in with all of you. We understand that  
12 Chuck's going to land there in another couple of  
13 hours.

14 JACK GROB: Yeah, Chuck's three hours  
15 away. Moninger's going to be there in about a  
16 half-hour.

17 MARTY VIRGILIO: Okay.

18 I think, once Chuck gets there, let's plan  
19 on talking again.

20 JIM TRAPP: Absolutely.

21 MARTY VIRGILIO: And so, after you've  
22 given him an initial, an initial briefing and he's  
23 kind of got his feet on the ground, we should talk to  
24 see what, what next steps might be and what he needs  
25 from us, how he's going to organize.

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1 I knew -- he and I had a talk before he  
2 got on the plane from Texas, and I know he had a lot  
3 of thoughts about how he wanted to organize what his  
4 priorities were, but that'll probably get adjusted by  
5 your first-in briefing of him. And then we can talk.

6 JIM TRAPP: Yes. A lot of his priorities  
7 will be the priorities of the ambassador.

8 MARTY VIRGILIO: Yes. And then we can  
9 talk about how we can best position ourselves to  
10 support you.

11 JIM TRAPP: Yeah, and again, I kind of  
12 think of Chuck is going to be the manager in charge  
13 here, and Tony and I will take care of whatever he  
14 needs taken care of.

15 MARTY VIRGILIO: Yeah. Chuck is filling  
16 in, and Chuck and I had this conversation. I mean,  
17 his charter is broader than just our team. What, what  
18 we want to do it, once he's positioned, is offer to  
19 the ambassador that Chuck will provide coordination  
20 for all US activities.

21 JIM TRAPP: Oh, good. Okay.

22 MARTY VIRGILIO: And that's, you know,  
23 that's going to require some support from the  
24 Chairman, I think, to get his colleagues here in  
25 Washington to agree with that.

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1 JIM TRAPP: Okay. And, you know, he'll  
2 have to coordinate that, too, through USAID because  
3 there's a lot of folks, there's a lot of groups here.

4 MARTY VIRGILIO: Yeah, we'll need to  
5 establish --

6 JIM TRAPP: We are actually --

7 MARTY VIRGILIO: Go ahead. You were going  
8 to say something, Jim.

9 JIM TRAPP: I was just going to say, you  
10 know, we are actually part of this USAID DART team  
11 element of what we've been doing here.

12 MARTY VIRGILIO: Okay.

13 JACK GROB: That team's upwards of 200  
14 people now.

15 MARTY VIRGILIO: Yeah, that's, they're  
16 doing much more than the nuclear piece.

17 JIM TRAPP: Right.

18 MARTY VIRGILIO: All I'm looking for Chuck  
19 to do is to get his arms around the US nuclear piece.

20 JIM TRAPP: Right.

21 MARTY VIRGILIO: So that would be, you  
22 know, primarily us and DOE, at least for the moment.  
23 There may be other organizations that weighed in on  
24 the US government on the nuclear side, but it's  
25 probably principally going to be us and DOE in the

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1 near term.

2 JIM TRAPP: Uh-huh.

3 JACK GROB: It's our understanding that  
4 the embassy has arranged a pick these guys up at the  
5 airport and transport them back to, to where you guys  
6 are. Is that --

7 JIM TRAPP: They offered to do that, but I  
8 think most of them have already landed. I think  
9 there's a timing issue, but there's a limo that brings  
10 you right to the hotel. It's really, transportation's  
11 not an issue.

12 JACK GROB: Okay. As soon as Chuck gets  
13 there and you have a briefing, we'd like to have a  
14 call from here.

15 JIM TRAPP: Absolutely. I'll let him  
16 know.

17 MARTY VIRGILIO: That's it.

18 JACK GROB: Okay. Jim, appreciate  
19 everything you're doing, and take care of yourself.  
20 Okay?

21 JIM TRAPP: Will do. Thank you.

22 JACK GROB: Thank you.

23

24

25

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1 (CONFERENCE CALL INITIATED.)

2 02:51:37/02:58:49

3 JACK GROB: Hello.

4 CHAIRMAN JACZKO: Yes.

5 JACK GROB: How can I help you, sir?

6 CHAIRMAN JACZKO: Can you just give me a  
7 quick update, and that'll serve as my update for the  
8 evening unless, again, [REDACTED]

9 [REDACTED]  
10 [REDACTED]  
11 [REDACTED]

12 JACK GROB: Yes, the -- I'm not sure how  
13 much of the commissioners assistants briefing you were  
14 on for. Were you on for the whole briefing?

15 CHAIRMAN JACZKO: No. I got, my phone  
16 got disconnected fairly shortly after I got on.

17 JACK GROB: Okay. The, I'm looking  
18 through my notes here real quick. There's a number of  
19 things that -- first off, our team is arriving.

20 CHAIRMAN JACZKO: Good.

21 JACK GROB: Let's see, 9:57 -- most of the  
22 team should arrive, their plane should be landing  
23 right now.

24 CHAIRMAN JACZKO: Okay, good.

25 JACK GROB: Still gets in in about two and

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1 a half hours and then one of the tech staff gets in a  
2 few hours after that.

3 CHAIRMAN JACZKO: Okay. Good.

4 JACK GROB: the, they get transported to  
5 the hotel, which is, which is right across the street  
6 from the embassy.

7 CHAIRMAN JACZKO: Okay. Good.

8 JACK GROB: We anticipate that Casto will  
9 be to the embassy in probably four hours, something of  
10 that nature. And we've chatted with Jim Trapp. And  
11 as soon as Casto is, is in the building, he's going to  
12 debrief with Jim and then get on the phone with us.

13 CHAIRMAN JACZKO: Okay.

14 JACK GROB: So, by the time you get up  
15 this morning, we should have a functional, functioning  
16 concept of a team on the ground in Japan.

17 CHAIRMAN JACZKO: And are they, do we  
18 know if they are going to get access to what they  
19 need?

20 JACK GROB: We don't know that yet.

21 CHAIRMAN JACZKO: Okay.

22 JACK GROB: We're working on that.

23 CHAIRMAN JACZKO: Okay.

24 JACK GROB: We're still not getting a good  
25 stream of data. When I say "data," that includes

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1 information about the plant status, the condition of  
2 the reactor, the condition of containment structures.

3 We're, we're getting, we're kind of putting together  
4 snippets of information from brief interactions with  
5 NISA, news media, things of that nature.

6 CHAIRMAN JACZKO: Okay.

7 JACK GROB: And it's been extremely  
8 frustrating.

9 CHAIRMAN JACZKO: Yeah.

10 JACK GROB: We're going to be exercising  
11 -- I'm going to be chatting with INPO later this  
12 evening -- we're going to be exercising every possible  
13 approach to enhance that data stream.

14 We will -- one of the things I mentioned  
15 to the Congressional assistants -- commissioner's  
16 assistants -- is that the country of Japan, the  
17 government of Japan has accepted offered the US offer  
18 of things. One is equipment, and the Defense  
19 Department is responding to their desires to have  
20 their device Equipment. I think they asked for like a  
21 dozen electrical generators, and those are being found  
22 and provided.

23 CHAIRMAN JACZKO: Good.

24 JACK GROB: They asked for monitoring,  
25 both land-based and air-based monitoring. The DOE

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1 Radiological Assistance Program teams are on the  
2 ground in Japan, and they'll be providing that  
3 monitoring.

4 We have already established a relationship  
5 with the Department of Energy, and we will get that  
6 information in real time, and that will be huge  
7 benefit.

8 CHAIRMAN JACZKO: Good.

9 JACK GROB: And the other thing asked for  
10 was sodium iodide pills.

11 CHAIRMAN JACZKO: Okay.

12 JACK GROB: And -- potassium iodide, I  
13 guess; excuse me -- and the government, our government  
14 has agreed to provide those.

15 CHAIRMAN JACZKO: Good.

16 JACK GROB: The other thing that you  
17 should be aware of -- I'm not sure you've heard -- is  
18 the, that INPO has established their highest level  
19 document. They call it a Level-I Event --

20 CHAIRMAN JACZKO: I did. I talked to [REDACTED]

21 [REDACTED] I'm up to speed on that.

22 JACK GROB: Okay, good. You're aware of a  
23 fire in Unit 4?

24 CHAIRMAN JACZKO: Okay, fill me in on  
25 what you know on that.

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1 JACK GROB: Approximately four hours ago,  
2 there was detected a fire in Unit 4. That was the  
3 unit that had the oil fire yesterday. It's not clear  
4 if this was an instantaneous hydrogen burn or if it,  
5 if it's a more lasting fire that's consuming some kind  
6 type of combustible material. The fire yesterday was  
7 reported that the essay lube oil fire, which was  
8 extinguished. Actually, I think it burned itself out.

9 The challenge here is that the dose rates,  
10 because of lowered level in the spent fuel pool, the  
11 dose rates in Unit 4 are on the order of 30 R per hour  
12 --

13 CHAIRMAN JACZKO: Okay.

14 JACK GROB: -- inside the building. The  
15 dose rates at the site boundary are low. They're only  
16 60 millirem per hour.

17 CHAIRMAN JACZKO: Okay, so the building  
18 is, that building is still intact.

19 JACK GROB: The building is intact, but  
20 those are dose rates from shine. That's reduced  
21 shielding of the fuel because of lower levels of water  
22 in the spent fuel pool.

23 CHAIRMAN JACZKO: Okay.

24 JACK GROB: It's not actually releases.

25 CHAIRMAN JACZKO: Okay. Got it.

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1 JACK GROB: That's the information we  
2 have.

3 CHAIRMAN JACZKO: Got it.

4 JACK GROB: So the, one of the technical  
5 people was interviewed on TV and indicated that  
6 they're either looking at putting a hole in the roof  
7 or putting a hole in the wall and pumping water in  
8 from either from ground or helicopters to extinguish  
9 the fire.

10 CHAIRMAN JACZKO: Okay. Are they also  
11 planning to restore inventory in the pool?

12 JACK GROB: That, that is something that  
13 they've been working on.

14 CHAIRMAN JACZKO: Okay.

15 JACK GROB: And of course, that's one of  
16 the things that we have capabilities for, our B5B  
17 procedure.

18 CHAIRMAN JACZKO: Right.

19 JACK GROB: I, I, I think that's -- just  
20 to refresh -- Units 1, 2, and 3 are fairly consistent  
21 with where they were before. Water is being injected  
22 into all three reactor cores, and, and there has been  
23 fuel damage and all three units.

24 And the dose rates at the site boundary  
25 are on the order of 60 millirem per hour --

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1 Can you close that door, Joe?

2 I'm just looking over my notes real quick.

3 I think those were the high points that I, I shared  
4 with the commissioner assistants.

5 CHAIRMAN JACZKO: Okay.

6 JACK GROB: Yeah, it's important that  
7 you're going to be our face tomorrow, so we want you  
8 to get a lot of good sleep tonight.

9 [REDACTED]

10 [REDACTED]

11 [REDACTED]

12 [REDACTED]

13 [REDACTED]

14 And just, again, obviously you experienced  
15 last night, it takes a little while for the  
16 interagency to get mobilized and get going, so it's  
17 not like a normal situation where we can do a dose  
18 plot, call a utility, and say, all right, you need to  
19 order an additional evacuation. We've probably got at  
20 least a two-hour lead time to get something like that  
21 done, so.

22 JACK GROB: I, I, I don't anticipate a  
23 need for that.

24 CHAIRMAN JACZKO: Good.

25 JACK GROB: But that would, I understand

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1 the threshold. But things seem to be reasonably  
2 stable --

3 CHAIRMAN JACZKO: Good.

4 JACK GROB: -- in a radiological context.  
5 So it's not all like last night.

6 CHAIRMAN JACZKO: Good. Excellent.

7 JACK GROB: So we'll let you sleep unless  
8 there's something that has radiological significance.

9 CHAIRMAN JACZKO: Great.

10 JACK GROB: Okay, thank you very much,  
11 Chairman.

12 CHAIRMAN JACZKO: Okay, Jack. Have a  
13 good night. Thank you.

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1 (CONFERENCE CALL INITIATED.)

2 02:58:57/03:16:06

3 JACK ROWE: Eric?

4 ERIC LEEDS: Jack? Okay. How are you?

5 JACK ROWE: I couldn't be better. Life is  
6 good. Life is a whole lot better tonight than it was  
7 last night.

8 ERIC LEEDS: Oh, my goodness, everything  
9 broke loose last night. I'm, I'm curious about, I'm  
10 calling just to get a -- if you think you've got a  
11 moment -- just to get a quick status update on how  
12 things are going.

13 JACK ROWE: Things are going well. The,  
14 like I said, it's a whole lot better tonight than it  
15 was last night.

16 Units 1, 2, and 3, the best information  
17 that we have is that nothing's really changed there.  
18 Units 1 and 3 are more stable than Unit 2. There's  
19 some concern about the stability of core cooling in  
20 Unit 2, but all three units have injection into the  
21 core.

22 The best information that we have is that  
23 all three units have containment integrity, primary  
24 containment integrity, and the dose rates at the site  
25 boundaries -- and it's a one site boundary for all

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1 four units that we've been talking about -- is that  
2 the dose rate is about 60 millirem per hour. So, it's  
3 substantially elevated over what would be considered  
4 normal, but not the kind of peak dose rates we had  
5 previously.

6 ERIC LEEDS: Very good. Any news on the  
7 Unit 4 spent fuel pool? Because, at one point, we had  
8 heard that that was not in good shape.

9 JACK ROWE: Unit 4 had another fire at,  
10 about five hours ago. The, the cause of the fire and  
11 what was actually burning is not clear, but they did  
12 have another fire as evidenced by smoke. The, and it  
13 appears that the fire self-distinguished.

14 Dose rates inside Unit 4 are on the order  
15 of 30 R per hour. We believe that that is shine.  
16 It's direct radiation, not contamination or release  
17 but direct radiation due to decreased water level in  
18 the spent fuel pool.

19 ERIC LEEDS: Um-hmm.

20 JACK ROWE: So fuel cooling in Unit 4  
21 remains a significant concern.

22 The news media is continuing to show  
23 footage from the fire at five in the morning, and it  
24 says "recorded" but it also says "live" -- excuse me  
25 -- on the same screen. So they're getting mileage out

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1 of continuing to show the same old footage. But the  
2 fire's out as best we understand.

3 ERIC LEEDS: Okay. Good. Yeah, the media  
4 is, is -- at best, you can say the media coverage is  
5 poor to very poor.

6 JACK ROWE: Yes. Seventy-seven percent of  
7 our team is on the ground. Casto will be getting  
8 there shortly after midnight our time and one of the  
9 technical staff will be getting there about three or  
10 four in the morning our time. So, but most of them  
11 landed already. At least, that's our information. We  
12 haven't talked to them.

13 Jim Trapp is going to do a briefing for  
14 Casto, and then he's going to be getting a hold of us  
15 as soon as he gets to the embassy and then we'll go  
16 from there.

17 The Japanese government has requested  
18 three things from the US government. They've accepted  
19 equipment, and the equipment is handling that. The  
20 first orders that I heard was for a dozen generators  
21 and, and there's a variety of equipment that we're now  
22 providing or are starting to provide. I don't know if  
23 any of it's actually been delivered or in place.

24 The second thing is radiation monitoring.  
25 The Japanese government has accepted from the US

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1 government radiation monitoring. DOE has five teams  
2 to do ground level monitoring as well as folks to do  
3 aerial monitoring.

4 ERIC LEEDS: So we're sending over the  
5 FERMAC?

6 JACK ROWE: It's already there.

7 ERIC LEEDS: Okay.

8 JACK ROWE: It arrived earlier today. But  
9 it's not FERMAC. It's a, it's a souped up RAP team,  
10 but it's not like a FERMAC with all the communications  
11 equipment and all that stuff.

12 ERIC LEEDS: Got you.

13 JACK ROWE: But, so that's the second  
14 thing they accepted.

15 And the third thing they asked for, and we  
16 agreed to provide, was potassium iodide. So that's,  
17 that's good news.

18 We've established interaction interaction  
19 minimum. Once every six hours, we talk to DOE, but  
20 they've agreed that as soon as they get data, they're,  
21 they're going to be providing it to us.

22 So this time tomorrow, we should be much  
23 better condition as far as knowing exactly what's  
24 going on in the field. We are, we've taken steps to  
25 try to know better what's going in the plants, and

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1 we've not yet been successful in that regard.

2 This evening, Marty Virgilio -- one of the  
3 things that Trapp noticed was that WANO in Japan was  
4 getting access to the Tepco briefings, and Jim asked  
5 us if there's a way that we could get our foot in that  
6 door through WANO. So Marty spoke with [REDACTED] 5

7 [REDACTED] is actually going to have the international  
8 president of WANO in town tomorrow, and he's going to  
9 discuss it with him.

10 Apparently, WANO is not as closely  
11 connected as INPO. If this -- this fellow may not  
12 have the ability to convince the Japanese to take a  
13 step on behalf of us, the Japanese contingent of WANO. 6

14 If not, then [REDACTED] has agreed to call the Japanese  
15 WANO (inaudible.)

16 [REDACTED] 5  
17 [REDACTED]  
18 [REDACTED]  
19 [REDACTED]  
20 [REDACTED]  
21 [REDACTED]  
22 [REDACTED]  
23 JACK ROWE: Thanks for that encouraging  
24 word there.

25 ERIC LEEDS: Yeah.

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I'm trying to think of what else. . .

Is there anything else?

MALE PARTICIPANT: Did you mention (off mic.) provide to White House.

The other thing, the -- I don't know if

this is true. Some people live by the Drudge Report.

But the Drudge Report is reporting that the US Surgeon General supports the procurement by folks living on the western coast of the United States,

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1 procuring potassium iodide pills and being ready for  
2 that radioactive cloud.

3 Our message has been continuous and clear  
4 that -- two things -- that we agree with the  
5 protective actions that the Japanese government has  
6 put out protective actions that Japan has put out in  
7 Japan for protecting our people in Japan and that our  
8 people should be following the Japanese government,  
9 and secondly, that, that we do not anticipate any  
10 substantive radioactive materials affecting the US  
11 country and its territories.

12 And so, we were just having a conversation  
13 with the USAID, and they're going to get with the  
14 Surgeon General (inaudible). They understand how  
15 upset we are about this, and they've asked us to not  
16 engage (inaudible).

17 ERIC LEEDS: Good. Thank you.

18 JACK ROWE: Anything else, Larry, that you  
19 can think of?

20 LARRY: Not at the moment.

21 JACK ROWE: Do you have a questions, Eric?

22 ERIC LEEDS: No. No. I think that, that,  
23 that was a great rundown. I really appreciate it. I  
24 understand that Bruce Boger's going to take your watch  
25 the next couple days.

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1 JACK ROWE: Yeah, I can do Thursday. I  
2 would prefer that he do tomorrow.

3 (Extraneous content omitted.)

4 JACK ROWE: The, the other thing that we  
5 spent a lot of effort on here was, you know, trying to  
6 become more predictable as an ops center. And to that  
7 end, we've upgraded our two-pager to be much more  
8 predictable and consistent look and provide the right  
9 information.

10 We're going to be producing a goal books  
11 for you and Bill and Marty and Mike and the Chairman.

12 And it's going to have certain set of key information  
13 in it, which will be updated electronically twice a  
14 day at 0600 and at 6:00 p.m.

15 We agreed to the staffing of the various  
16 teams and the right sized staffing levels in various  
17 areas for the long haul because we're going to be at  
18 this now for several weeks, we think.

19 We've got, McGinty's got a list of  
20 periodic briefings that we're expected to do, and  
21 those have changed somewhat. But once we've get a  
22 list down, then we can be more effective at managing  
23 that list.

24 So we've tried to become more systematized  
25 and predictable in our day-to-day operations here in

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1 the ops center.

2 ERIC LEEDS: Great.

3 JACK ROWE: We're going to, I'm going to  
4 turn over one action, and that's to update, or, to  
5 become more effective at the status update document.  
6 And I'm going to leave that for my relief at 11:00  
7 p.m.

8 ERIC LEEDS: Good. Good.

9 JACK ROWE: I can't think of anything  
10 else.

11 The Chairman similarly called in about an  
12 hour ago, and we thought here that he was going to be  
13 going to sleep. [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]

14 [REDACTED]  
15 [REDACTED]  
16 [REDACTED]. Other than that, you know, let him get  
17 his rest because he's got a hearing at nine o'clock  
18 tomorrow morning.

19 ERIC LEEDS: Yeah, it's a long day  
20 tomorrow. I think he's got a number of hearings. Or,  
21 a hearing in the morning and a number of briefings in  
22 the afternoon with different senators.

23 JACK ROWE: Yeah, there's one other thing  
24 I should try to make you aware of. The Chairman --  
25 oh, two other things -- INPO. INPO issued the highest

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1 -- oh, you saw this from Boger.

2 ERIC LEEDS: Yeah. Yeah.

3 JACK ROWE: You saw that. And then the  
4 Chairman had a briefing of the commissioners at 7:30  
5 tonight, and the five great Americans agreed that they  
6 want to have a commission meeting early next week.  
7 And the focus of the Commission meeting is just to  
8 hear from the staff, so no big panels or anything but  
9 to hear from the staff on what's going on and what the  
10 agency's response is. And they would have an open  
11 meeting to discuss the situation with the staff and  
12 then a closed meeting afterwards to discuss among  
13 themselves how they want to move forward.

14 MARTY VIRGILIO: Eric, this is Marty. One  
15 of the things I've been working on is an outline for  
16 that meeting, and once I get it fleshed out a little  
17 bit, I'll send you an email, along with Bill and Mike  
18 and others, to get your input and our thoughts that  
19 meeting.

20 ERIC LEEDS: Thank you. Thank you. Yeah,  
21 my, my initial gut reaction was, you know, how do you  
22 start talking about what our short-term and long-term  
23 actions are going to be.

24 MARTY VIRGILIO: It's, yeah.

25 ERIC LEEDS: Yeah.

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1 JACK ROWE: Yeah, Fred, Fred Brown is our  
2 Reactor Safety Team lead, and he just came in. He was  
3 updating me on something, and I think maybe you should  
4 hear this.

5 FRED BROWN: Chief TV Watcher at this  
6 point.

7 JACK ROWE: Chief TV watchers.

8 FRED BROWN: There was, there was a fire  
9 about five hours ago in the Unit 4 reactor building at  
10 or a level below the spent fuel pool. It apparently  
11 self-extinguished. We got a call about 30 minutes ago

12 [REDACTED] saying that they had  
13 [REDACTED]  
14 [REDACTED]

15 Now NHK TV is showing  
16 footage apparently recorded 20 or 30 minutes ago that  
17 also shows smoke rising from the site.

18 So there's, it's been a little confusion  
19 because they were talking about earlier this morning,  
20 but now they're talking about more recent footage. So  
21 the status --

22 JACK ROWE: When you say "smoke rising  
23 from the site," does it look like it's coming from  
24 multiple units?

25 FRED BROWN: Because the helicopter's 30  
kilometers away, it's very difficult to tell, and I'm

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1 just going to keep trying to read the script as it  
2 rolls. And what they say in the script is that they  
3 can't tell where it's coming from.

4 JACK ROWE: Okay. There's a no-fly zone  
5 that's established about 30 kilometers around Daiichi,  
6 so we don't know if that was to clear the airspace so  
7 that their equipment could operate if they need to get  
8 helicopters in, or if in fact there's a radiological  
9 reason for that, but, and to keep the news helicopters  
10 out. But they've established a no-fly zone above the  
11 plants out to 30 kilometers.

12 ERIC LEEDS: Probably a good idea.

13 MARTY VIRGILIO: Hey, Eric, Larry?

14 LARRY BROWN: Yes, sir.

15 MARTY VIRGILIO: One thing, just a minor  
16 administrative point though. Bill Borchardt's going  
17 to be here in the morning, he said, perhaps even as  
18 early as 6:30, in the 6:30-7:00 window. He's going to  
19 be picking up the most current version of the, our  
20 talking points as well as the most current version of  
21 our ops center update.

22 We, we updated those two documents earlier  
23 this evening, you know, around seven o'clock or so,  
24 but there'll be another update before then. So he's  
25 going to take 10 copies of those with him so that he

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1 has the latest down there tomorrow.

2 So you might want to make sure you have a  
3 copy of that early as well.

4 ERIC LEEDS: Thank you. Really appreciate  
5 that.

6 MARTY VIRGILIO: Okay.

7 ERIC LEEDS: I also want to get back to  
8 Quinn Wynn (phon) so that he can put it in the, put it  
9 in the SharePoint site, but go ahead. Thanks.

10 MARTY VIRGILIO: Okay.

11 JACK ROWE: Okay, anything else, Eric?

12 ERIC LEEDS: No. I really, I really  
13 appreciate the update, and I look forward to seeing  
14 you in the office tomorrow.

15 JACK ROWE: Yeah, I'm sure all the crap's  
16 piling up on my desk. No doubt about that.

17 ERIC LEEDS: Oh, yeah. Life continues.

18 JACK ROWE: Yeah, I got -- actually, on  
19 another subject entirely -- I was brainstorming with  
20 Nader earlier about an action item you gave me on how  
21 to use expert elicitation in the regulatory process.

22 ERIC LEEDS: Right.

23 JACK ROWE: So I've, I've got that and  
24 we'll start working on it tomorrow.

25 ERIC LEEDS: Yeah, good. All right.

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1 Well, I really appreciate the update. Thanks for  
2 staying on the watch, and I look forward to seeing you  
3 guys tomorrow.

4 JACK ROWE: Okay. Thanks, Eric.

5 ERIC LEEDS: Okay. Goodnight.  
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1 (CONFERENCE CALL INITIATED.)

2 03:16:14/03:20:47

3 JIM TRAPP: Hello. This is Jim Trapp.

4 JACK ROWE: Hey, Jim, we've got Fred and  
5 (inaudible).

6 We just saw the news on, from several  
7 sources, but it probably came from the same source.  
8 It says they pulled all the workers off the site and  
9 essentially abandoned the site. Do you have any  
10 information to that extent?

11 [REDACTED]

12 [REDACTED]

13 [REDACTED]

14 [REDACTED]

15 [REDACTED]

16 JACK ROWE: Okay. What do, what do we do  
17 with this information? It's, we have a -- oh, we  
18 [REDACTED] -- we have, we have  
19 some indication that there's been substantial damage  
20 to the Unit 4 reactor.

21 MALE PARTICIPANT: Do you know what you  
22 guys could do?

23 JACK ROWE: Yeah, I'm sorry. (Inaudible).  
24 The containment building. The secondary containment  
25 has been substantially damaged. Have you heard

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1 anything like that?

2 JIM TRAPP: Yes, we have.

3 JACK ROWE: Okay. And, and have you heard  
4 any radiation level measurements?

5 JIM TRAPP: Yeah, we have.

6 JACK ROWE: And what were those? What's  
7 the high, what's the latest you got?

8 JIM TRAPP: All I can tell you is a very  
9 high.

10 JACK ROWE: Okay. Have you had any  
11 contact from the team?

12 [REDACTED]

13 [REDACTED]

14 [REDACTED]

15 [REDACTED]

16 [REDACTED]

17 [REDACTED]

18 [REDACTED]

19 [REDACTED]

20 [REDACTED]

21 [REDACTED]

22 [REDACTED]

23 [REDACTED]

24 JACK ROWE: Okay. That's going to take us

25 a little while the generate that.

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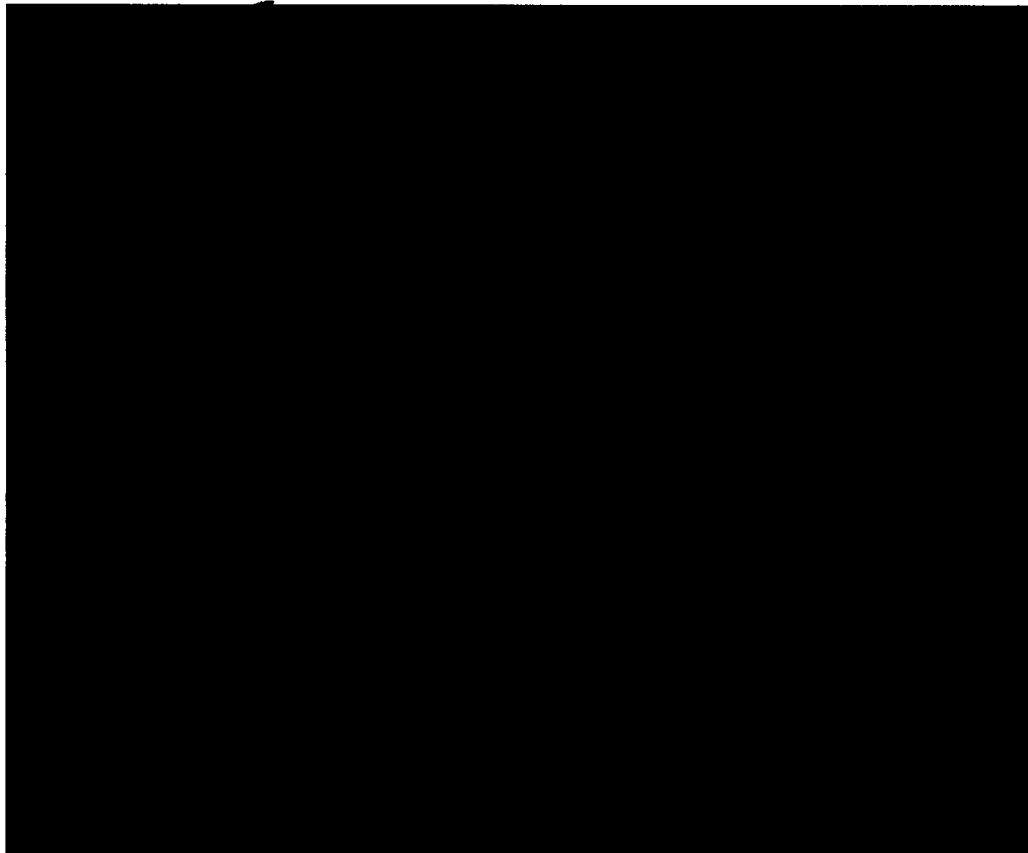
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JACK ROWE: Okay. You're not in a position where you can speak with us?

JIM TRAPP: Not, no I can't. I mean, I'm in a position where I can I speak to you physically, but I can't really speak to you.

JACK ROWE: I understand. I understand.

Okay, have the, have our folks arrived? Have you seen any of the team members?

JIM TRAPP: We have not.

JACK ROWE: Okay.



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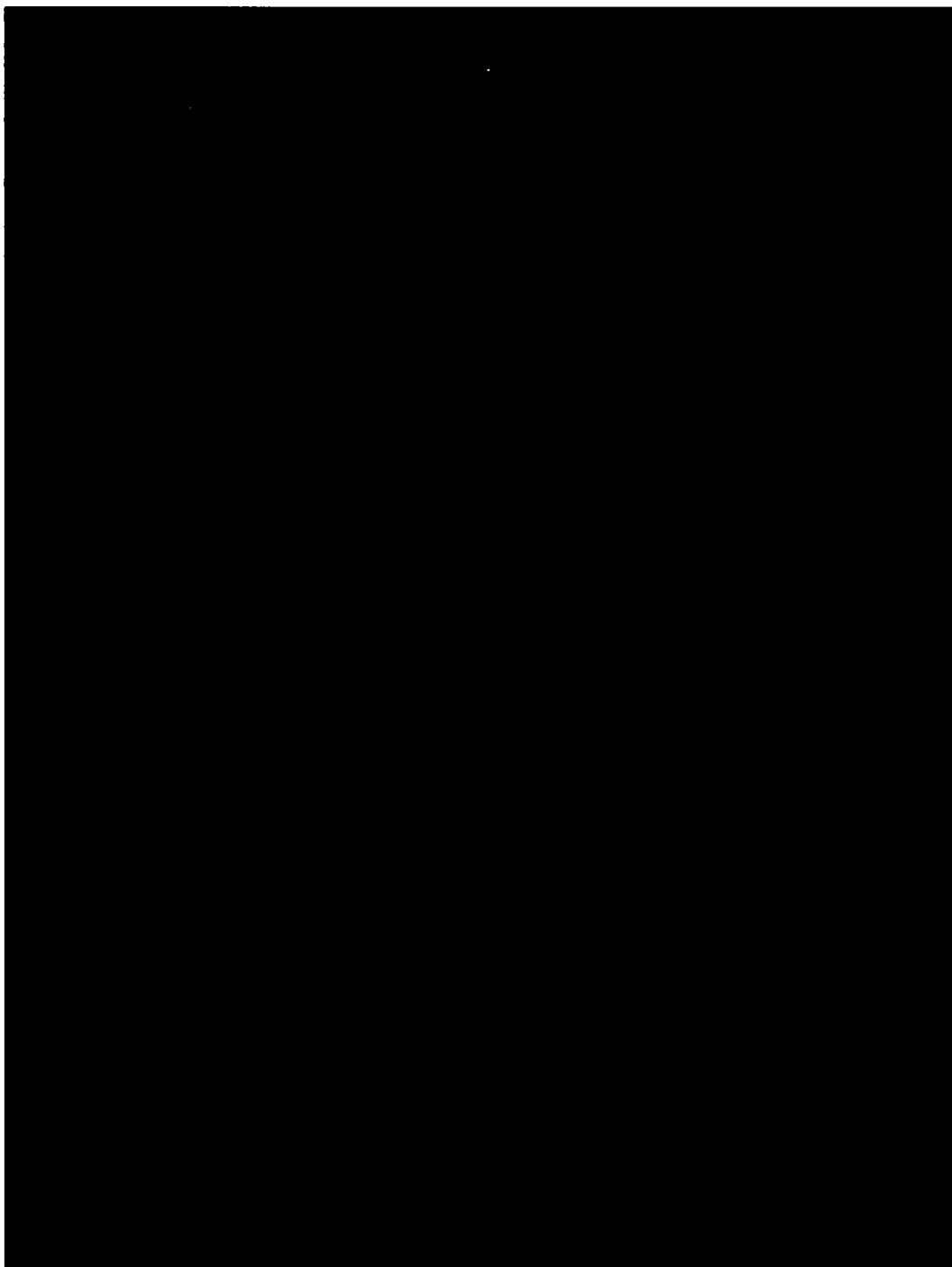
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FRED BROWN: Okay, Jim. Let us --

JACK ROWE: Okay, thanks. We'll get back  
to you.

JIM TRAPP: That would be great. Thank you.

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1 (CONFERENCE CALL INITIATED.)

2 03:20:58/03:29:55

3 MALE PARTICIPANT: Hey, Jim.

4 JIM TRAPP: Hey, quick question for you.  
5 Have you guys heard any news reports that they've  
6 abandoned the site?

7 MALE PARTICIPANT: What we're hearing --  
8 we've seen mixed reports on that. I'm looking at one  
9 blurb on CNN that says workers have suspended  
10 operations. We saw an interview. I think it was a  
11 Tepco official who talked more in terms of, the  
12 workers have been pulled out of Units 1 through 4 but  
13 are available to take measurements and emergency  
14 actions.

15 So when we first saw the reports, we were  
16 concerned that, you know, they completely abandoned  
17 the site. But then that other interviews suggested  
18 maybe that was not quite the extreme case, but that  
19 the radiation levels have caused them to pull them out  
20 of the units.

21 JIM TRAPP: Okay, so they -- I mean, you  
22 say that there's a report that the Tepco --

23 MALE PARTICIPANT: That's (off mic).

24 JIM TRAPP: But, but do you think they've  
25 suspended operations on the site? I mean, those are

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FRED BROWN: Jim, this is why we're putting the fact sheet together for you, and this is one of the facts that would be on the sheet.

JIM TRAPP: Yes.

JIM TRAPP: Well, Unit 4 -- yeah, Unit 4 is in shambles.

JIM TRAPP: You can see it from the pictures.

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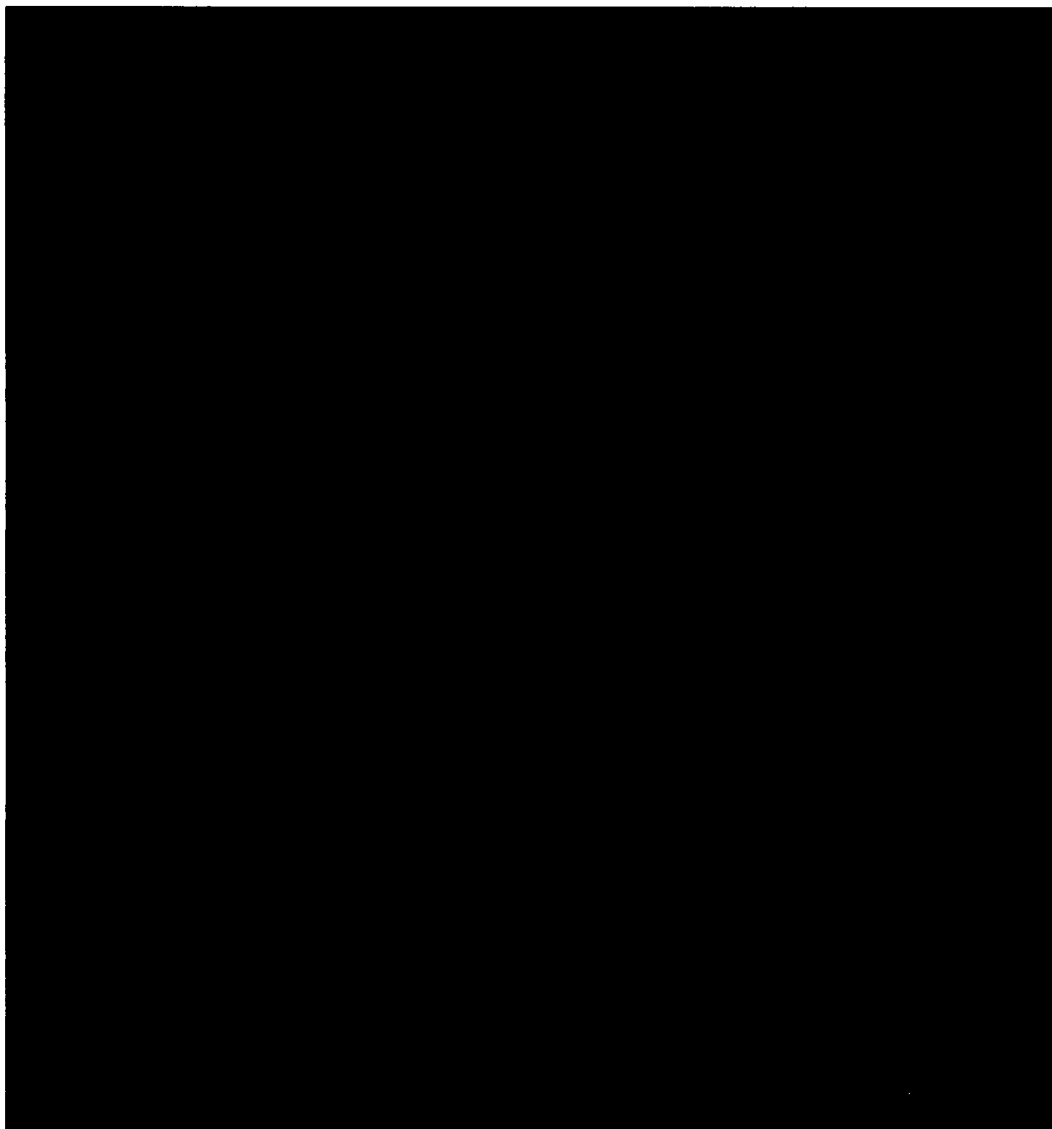
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1 FRED BROWN: And we would be sending that  
2 to you within the hour.



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19 MALE PARTICIPANT: Hey, could you give  
20 that assessment real quick of what you guys are seeing  
21 at site --



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23  
24 JIM TRAPP: This is [redacted] the  
25 Ambassador's special assistant, and he'd be interested

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5/16

1 in knowing what you guys have seen in the press about  
2 the site and abandoning it.

3 DAN DORMAN: Well, what we have seen from  
4 the standpoint of the -- this is Dan Dorman -- the  
5 Director of the Executive Team here at NRC  
6 headquarters. And what we're seeing on the media --  
7 I'm looking at CNN right now -- says a government  
8 official says workers have suspended operations. That  
9 could be interpreted multiple ways.

10 We've also seen on NHK an interview of a,  
11 I believe a Tepco official who indicated that due to  
12 the increasing radiation levels, they have removed the  
13 workers from the four units but that those workers  
14 remain available to take measurements and perform  
15 emergency actions as needed. So that's, that would be  
16 -- my best estimate would be that they have these 50  
17 workers go there still there in reserve, and if there  
18 are emergency actions that need to be taken, that,  
19 that they are available to do that. But there is  
20 nobody actively in Units 1 through 4 at this time.

21 That's my best estimate of the situation.

22 But this, this media report could be interpreted  
23 apart from that Tepco interview, that could be  
24 interpreted as meaning that the operators have  
25 abandoned the site.

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1 MARTY VIRGILIO: Jim?

2 JIM TRAPP: Yes?

3 MARTY VIRGILIO: This is Marty. Here's  
4 the quote from the Washington Post. "The skeleton  
5 crew remaining at Fukushima Daiichi Nuclear Power  
6 Plant is being evacuated because of the risks they  
7 face from dangerous radiation levels." And this is  
8 attributed to a Japanese government spokesman.

9 JIM TRAPP: Oh, that's perfect: Could we  
10 get that faxed?

11 MARTY VIRGILIO: Okay. I, I tell you  
12 what, I'm going to email this to you right now. Okay?

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[REDACTED] [REDACTED]  
[REDACTED] [REDACTED]

(Simultaneous conversation.)

MARTY VIRGILIO: Okay. We just sent the  
link to you.

MALE PARTICIPANT: Okay. Thanks.

(Simultaneous conversation.)

MARTY VIRGILIO: Jim Trapp, are you still  
on the line?

(No response.)

MARTY VIRGILIO: Jim, are you still there?  
Jim Trapp?

(No response.)

MARTY VIRGILIO: Did lose Jim?

MALE PARTICIPANT: Somebody's on the  
phone.

MARTY VIRGILIO: Do we have Tokyo on the  
line?

TONY ULSES: This is Tony. We just had an  
earthquake here, so it arrived.

MARTY VIRGILIO: Okay. Is everything  
okay?

TONY ULSES: We're, we're back now.

JEFF GRANT: Hey, Tony?

TONY ULSES: Yes, we're here.

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1 JEFF GRANT: This is Jeff Grant. I got a  
2 little bit of an odd request. Tepco sent a request to  
3 GE requesting three gas turbine generators. They, or,  
4 GE identified them. USAID need you guys to formally  
5 say that, yes, Tepco needs them, before they're going  
6 to put them on the military transport.

7 TONY ULSES: Okay, sure.

8 JEFF GRANT: They need [REDACTED] to send  
9 an email or something to USAID saying that the  
10 previously discussed gas turbine generators are needed  
11 or at least --

12 TONY ULSES: We've just got to get [REDACTED] to  
13 -- I mean, we can go run and get [REDACTED] if you want the  
14 confirmation right on the call.

15 MALE PARTICIPANT: No, he sent an email.

16 TONY ULSES: So I'll go find [REDACTED], and  
17 I'll just -- I mean, obviously, Tepco and GE have been  
18 talking so they're properly spec'ed. So I'll just  
19 say, yeah, they need them.

20 MALE PARTICIPANT: Yeah, and our reactor  
21 safety team HAS also confirmed the value of sending  
22 these over. I would just add that 17 hours ago we  
23 were talking about four Defense Threat Reduction  
24 Agency pumps that were three hours away.

25 TONY ULSES: Yes.

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MALE PARTICIPANT: All right, so --

TONY ULSES: -- there's not much more we  
can do about it.

MARTY VIRGILIO: So, Tony, you're going to  
get with Bill and have him make that request for  
USAID?

TONY ULSES: I'll run down and find   
right now, and he needs to approve the, approve that  
the three gas turbines are needed. Okay. I'll take  
care of that.

MARTY VIRGILIO: That.

TONY ULSES: Okay. Out of here. Bye.

(END OF SERIES.)

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