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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION
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JAPAN'S FUKUSHIMA DAIICHI ET AUDIO FILE
+ + + + +
FRIDAY
MARCH 18, 2011
+ + + + +

(CONFERENCE CALL INITIATED)

00:00:04/00:12:21

SCOTT MORRIS: Chuck?

CHUCK CASTO: Hey, guys.

SCOTT MORRIS: Hi, you've got Scott
Morris and Roy Zimmerman here.

MARTY VIRGILIO: And Marty Virgilio.

CHUCK CASTO: Hey, did you guys see this
media report about Amano coming here?

SCOTT MORRIS: Yes, I've heard, I picked
up on it sometime earlier today. But I don't know if
that's truth or fiction.

CHUCK CASTO: I don't know either, but,
you know, when we were talking about the Chairman,
you know, he's kind of --

[REDACTED]

5

SCOTT MORRIS: Yeah. We were also trying
to get a fix on where the, the IAEA team. Have they
arrived? Did you get any sense of the where they
are?

CHUCK CASTO: That's the first we're
hearing about this, an expert team from IAEA. We
hadn't heard about that.

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1 SCOTT MORRIS: Yeah. I picked up on that
2 in, it's coming across the trade press, that IAEA has
3 dispatched a team.

4 CHUCK CASTO: Supposedly, all the, all
5 the Russians are supposedly coming too.

6 SCOTT MORRIS: Well, yeah. Yeah. We
7 heard that. And as a matter of fact, you, you had
8 told us that.

9 CHUCK CASTO: Yeah.

10 SCOTT MORRIS: It's, it's the -- yeah,
11 and Amano, I mean, it seems to make sense that as a,
12 as a member of the Japanese community, he's going to
13 have to come back. It would be hard for him not to.

14 CHUCK CASTO: Right. I just wanted to,
15 you know, the political, the -- I just wanted to make
16 sure that you are aware of Amano's visit, and --

17 SCOTT MORRIS: Yeah.

18 CHUCK CASTO: You know, the things that
19 we're reading that Tepco's saying about power
20 supplies and -- what was the other thing, Brooke,
21 that that media report said that --

22 BROOKE: About the water.

23 CHUCK CASTO: -- oh, the, that the, the
24 video confirmed that there was water. That video, I
25 saw that video. That video doesn't confirm anything.

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1 SCOTT MORRIS: Yeah. [REDACTED]
2 [REDACTED]
3 CHUCK CASTO: Yeah, so I mean, that's,
4 [REDACTED] -- never
5 mind. I keep forgetting about the recorded line here
6 -- but it's all, you know --
7 (Someone enters the conference call.)
8 CHUCK CASTO: -- you just have to take
9 that at face value.
10 SCOTT MORRIS: Who came up on the
11 conference?
12 LEE TRASMINE: This is Lee Trasmine at
13 USAID.
14 SCOTT MORRIS: Why are you on the
15 conference call?
16 LEE TRASMINE: -- at USAID listening in.
17 I'm the liaison for USAID.
18 SCOTT MORRIS: All right. Could you drop
19 off this call, please?
20 LEE TRASMINE: Yes, sir.
21 SCOTT MORRIS: Could you guys please do
22 me a --
23 (Audio interference.)
24 ROY ZIMMERMAN: She's in headquarters of
25 USAID here in (inaudible). Lee's on the team, yeah,

1 so --

2 (Off-mic conversation.)

3 SCOTT MORRIS: Chuck, are you there?

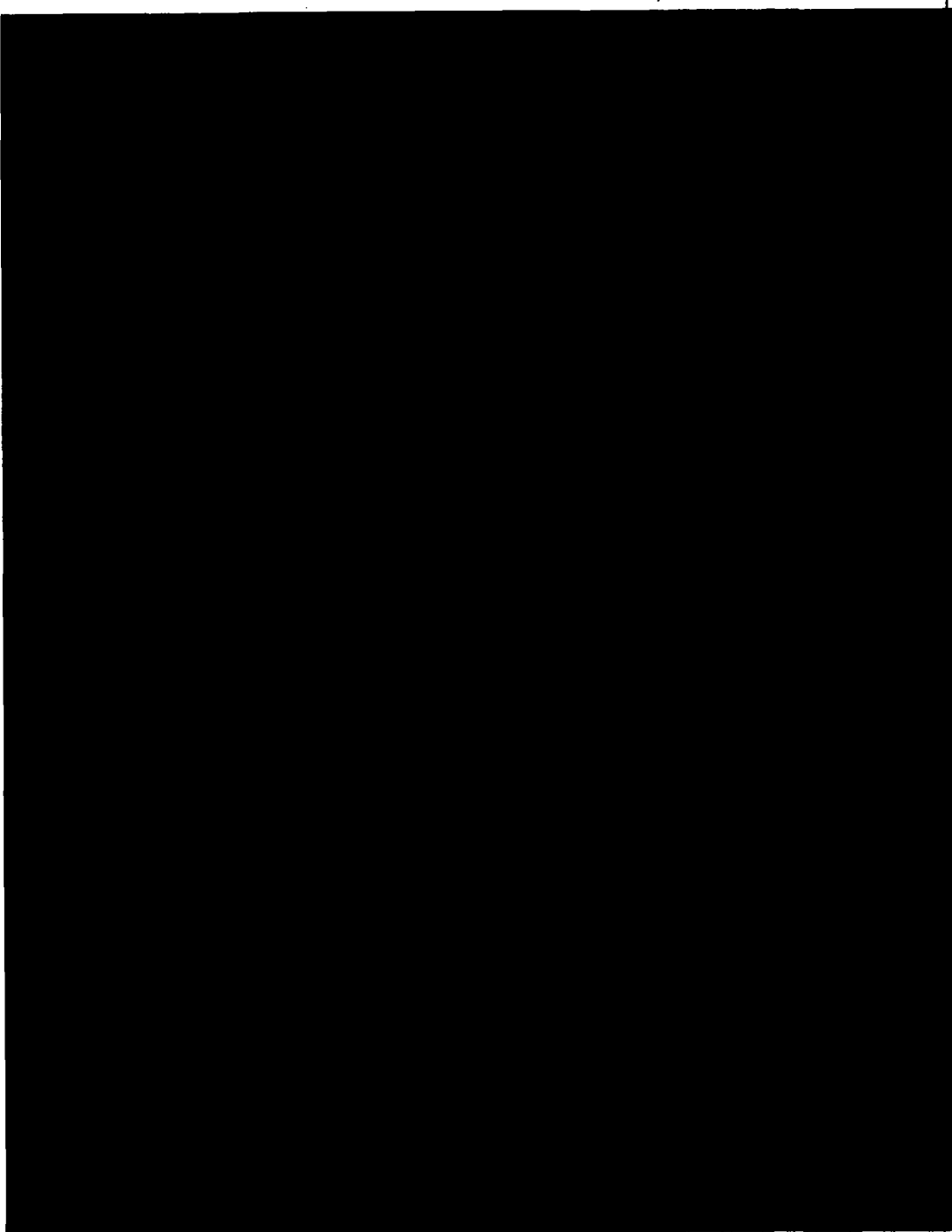
4 CHUCK CASTO: Yeah, I'm here.

5 SCOTT MORRIS: Okay. Sorry about that.

6 CHUCK CASTO: No problem.

7 So, anyhow, the stuff you're seeing in
8 the media, you know as well as we do that that's, you
9 know, dubious.

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ROY ZIMMERMAN: Hey, Chuck, is this Roy Zimmerman. Is there anything you can tell us about these power lines that they're talking about running to, to one or more units?



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10 You can't get in there to manipulate
11 breakers. You may manipulate a breaker and -- you've
12 had a, you've had a building explosion -- you may
13 cause a fault. You know, you could burn the building
14 down further by, by trying to energize equipment in
15 fields that are hundreds of rads.

16 And what you going to start? Are you
17 going to start the spent fuel pool pumps? That ain't
18 going to do any good.

19 MARTY VIRGILIO: That's right.

20 CHUCK CASTO: There's no water in there.

21 I mean, the tsunami wiped out the service water
22 system and everything else. I mean, so what are you
23 going to start?

24 Now, if you're going to use that power to
25 power some temporary equipment and, you know, or, or

8
1 something -- and, and you might be able to -- they
2 could have done this days ago. You could run, you
3 know, you could a cable straight -- if you want to
4 take care of the reactor, you could a cable straight
5 to the Packer head of the motor and, and, you know,
6 bolt it up and run an RHR pump. But, you know,
7 there's a lot of radiation in there, and, and they're
8 dubious about whether there's even water in the
9 torus.

10 So, you know, what do you -- I, we don't
11 see where the power thing is any solution at all.

12 SCOTT MORRIS: Okay. Well, I appreciate
13 your, your thoughts on that. Thanks.

14 CHUCK CASTO: You know, maybe I'm wrong.
15 I don't know.

16 MARTY VIRGILIO: I, I don't think so.

17 SCOTT MORRIS: That's why, if you had
18 access to be able to talk to them better than you all
19 do, you'd be able to have some give-and-take and
20 understand what they're planning on doing. But it
21 doesn't sound like you guys have that kind of access.

22 CHUCK CASTO: What, to who?

23 SCOTT MORRIS: To either Tepco or [REDACTED]
24 whoever. 5

25 CHUCK CASTO: Yeah, well, that's who we

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1 went over and talked to, and talk to Tepco and, or
2 tried -- well, Tepco won't be there -- but tried to
3 get through MOD of, you know, do they understand that
4 power and why, why Tepco is saying what they're
5 saying. So we're trying to get intelligence through
6 MOD about that.

7 MARTY VIRGILIO: Okay. Based on your
8 frustration, I'm assuming that [REDACTED]
9 [REDACTED]
10 as well, with the lack of communication for you all
11 to get the information you need.

12 CHUCK CASTO: Yeah. I think he's, I
13 think the ambassador, you know, he called the CEO. I
14 mean, I can't confirm he called the CEO, but he was,
15 his office called the CEO and, you know, rightfully
16 so. [REDACTED]
17 [REDACTED]

18 MARTY VIRGILIO: Yeah.

19 CHUCK CASTO: -- you know, about the
20 situation.

21 He and I are going over somewhere here
22 in, in a few minutes to do something with somebody.
23 But I'll figure it out, I'll figure it out when I get
24 in the car and figure out where we're going and what
25 we're going to do. You know, it's probably one of

1 those pretty-face things again. But --

2 SCOTT MORRIS: Hey, Chuck, we just got,
3 Chuck, we just got word through our liaison team that
4 Amano from IAEA has arrived and has already conducted
5 a press conference.

6 ROY ZIMMERMANL: No kidding?

7 CHUCK CASTO: Yeah, so this may be, he
8 may be going over to talk to Amano. The ambassador
9 may be going over to talk to Amano. So that may be
10 where I'm headed.

11 SCOTT MORRIS: Okay.

12 CHUCK CASTO: Marty, what do you think I
13 should say to Amano?

14 MARTY VIRGILIO: I was just thinking
15 through that. I mean, what, what's the key message
16 there?

17 SCOTT MORRIS: Well, it's an opportunity.

18 MARTY VIRGILIO: Yeah, make sure he
19 understands -- if I were in your shoes, I'd make sure
20 he understands what your role is there and that
21 you're interested in, in working with his team in a
22 complementary manner. [REDACTED]

23 [REDACTED]
24 I mean, really, what you want them to do
25 is something you're not doing.

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1 CHUCK CASTO: Right. Complement -- like,
2 the Russians are doing cleanup kind of stuff.

3 MARTY VIRGILIO: Right. Right.

4 CHUCK CASTO: And that's, that's good.
5 We're not doing that. They can do that.

6 MARTY VIRGILIO: Yeah. And, well, I
7 think I would, I would urge him to have whoever he's
8 got as a team lead engage with your, your staff to
9 figure out how they can add value and not, you know,
10 become some redundant enemy to what you're trying to
11 accomplish.

12 CHUCK CASTO: Right.



18 CHUCK CASTO: Okay.



23 ROY ZIMMERMAN: That's good.

24 MARTY VIRGILIO: -- which is good.

25 CHUCK CASTO: I think what the ambassador

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1 is going over to do is ceremonially share the images
2 with Amano. I believe that's what they told me this
3 morning.

4 MARTY VIRGILIO: Okay, we're seeing him
5 on the news now.

6 MALE PARTICIPANT: He's IAEA.

7 MARTY VIRGILIO: Yeah, he's replaced
8 ElBaradei. And he's [REDACTED] 6

9 ROY ZIMMERMAN: This will give him the
10 opportunity, the diplomatic opportunity, to try to --

11 MARTY VIRGILIO: Yeah.

12 Now, I think, Chuck, the key is to find
13 out who his team lead is. I mean, he's just here for
14 the day.

15 CHUCK CASTO: Right. He probably will
16 have his team lead with him.

17 [REDACTED]
18 [REDACTED]
19 [REDACTED] 5
20 [REDACTED]
21 [REDACTED]
22 [REDACTED]
23 [REDACTED]
24 [REDACTED]
25 [REDACTED]

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1 MARTY VIRGILIO: If Jim, if Jim isn't,
2 you know, if Jim isn't the leader of the team, the
3 person who is there works for Jim, which is also
4 another in-road for us. Okay?

5 CHUCK CASTO: Right. So you may want to
6 establish that link or something.

7 MARTY VIRGILIO: Yeah. I was thinking
8 about it, but I realize that my time clock is a
9 little off, so I'll have to do it as he gets up.

10 CHUCK CASTO: All right.

11 MARTY VIRGILIO: So we'll put in a call
12 to him IAEA time, maybe nine o'clock in the morning,
13 because they tend to be late arrivers and see if I
14 can, what we can establish with Jim now that Amano's
15 in country.

16 CHUCK CASTO: Okay. That would be great.
17 And I'll see who I run into.

18 MARTY VIRGILIO: Yeah.

19 SCOTT MORRIS: Yeah. If the team lead
20 isn't there, I'd ask.

21 CHUCK CASTO: Right.

22 MARTY VIRGILIO: You might even
23 acknowledge your relation with Jim Lyons. That might
24 help --

25 CHUCK CASTO: Okay.

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1 MARTY VIRGILIO: So at least Amano knows
2 who he's dealing with and at what level.

3 ROY ZIMMERMAN: (Off mic) very quickly..

4 CHUCK CASTO: Good?

5 MARTY VIRGILIO: Yeah. That's good.

6 CHUCK CASTO: Okay. I'll, when I get
7 back from whatever it is I'm going to do, I'll call
8 you.

9 MARTY VIRGILIO: All right, buddy.

10 PAUL ZIMMERMAN: See you, Chuck.

11 CHUCK CASTO: All right. See you soon.
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(CONFERENCE CALL INITIATED.)

00:12:25/00:22:59

SCOTT MORRIS: John, are you there?

PAUL ZIMMERMAN: John, are you there?

JOHN MONNINGER: Yeah. Hey, is that
Scott?

SCOTT MORRIS: Yes. You've got, you've
got the whole gang here.

JOHN MONNINGER: The whole gang?

SCOTT MORRIS: Well, you've got Dan
Dorman, Marty Virgilio, Roy Zimmerman, and myself.

MARTY VIRGILIO: You're a popular guy,
John.

JOHN MONNINGER: Boy, if we call, you
guys jump.

(Laughter.)

MARTY VIRGILIO: That's just the way it
should be. Right?

JOHN MONNINGER: That's right. Hey, so
are you ready?

SCOTT MORRIS: Yeah. What do you got?

JOHN MONNINGER: General, we have a
request from General Fields, who is either Army or
Air Force in charge of all forces in the Pacific, he
has requested to be linked in to our daily briefings,

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1 I guess the briefings with the Chairman that we would
2 be, be giving once, twice a day, et cetera. We
3 wanted to run that thought through you guys.

4 SCOTT MORRIS: I'm sorry.

5 JOHN MONNINGER: They don't want to be a
6 hindrance, but they want to kept more in the loop.
7 My thought is, you know, that's one option.

8 The second option is we continue with the
9 Chairman's briefing, and may subsequent to that,
10 whether the Chairman would want to brief the General
11 separately or if you guys out there would prefer us
12 to do a separate briefing with the General.

13 The US Department of Defense Forces are
14 becoming heavily involved in the operation, so we do
15 believe that we need to keep General --

16 MALE PARTICIPANT: (Off mic.)

17 JOHN MONNINGER: -- so the question is,
18 how do we want to do it?

19 ROY ZIMMERMAN: You're saying our
20 military is getting more involved in dealing with
21 this event?

22 JOHN MONNINGER: Correct. They are doing
23 the logistics with transporting equipment. A lot of
24 other supplies are coming in. There's United States
25 Forces Japan or United States Japan Forces. We're

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1 in, you know, several meetings a day with them along
2 with the civilian defense forces of, of Japan.

3 ROY ZIMMERMAN: Well, my, my two cents on
4 it would be the, you know, the, the Chairman's call.

5 But our, our input would be that it would be two
6 separate calls.

7 JOHN MONNINGER: Yeah. That's my
8 thought, two separate calls. You know, my thought
9 was not to bring them on the one we do with the
10 Chairman. We're a small agency. You know, it's,
11 it's a little bit informal and we do some
12 brainstorming, you know, some discussions, you know,
13 and everyone --

14 ROY ZIMMERMAN: So we'd be glad to,
15 however best to arrange a phone call separately with
16 the General subsequently.

17 JOHN MONNINGER: Okay. So that, I mean
18 the third option would be just for Chuck or I to
19 provide it. But I think with the General, it's a
20 pretty high hat.

21 MARTY VIRGILIO: Yeah, I'm thinking that
22 maybe the person who sits in Scott's chair along with
23 one of you two, you or Chuck, to brief the General.
24 Pick a time of day or which days of the week and
25 that's, that's the way we conduct the briefing.

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1 JOHN MONNINGER: Okay. Do we want to
2 start off with, the Chairman from the NRC's on the
3 first one and then maybe --

4 MARTY VIRGILIO: No. No. No. I
5 wouldn't think so. I think he is pulled from one end
6 to the other, John.

7 JOHN MONNINGER: Okay.

8 MARTY VIRGILIO: I mean, and he is, and,
9 you know --

10 ROY ZIMMERMAN: Yeah, I wouldn't want to
11 set that precedent and then disappoint the General
12 because the Chairman is not available.

13 JOHN MONNINGER: Right. Right.

14 MARTY VIRGILIO: And believe me, he's not
15 available.

16 JOHN MONNINGER: Okay.

17 MARTY VIRGILIO: So I would say that
18 Scott and, and, yeah, Chris Miller and the people
19 that sit in that chair would be the ideal persons,
20 along with --

21 JOHN MONNINGER: So --

22 MARTY VIRGILIO: -- whatever you do --

23 JOHN MONNINGER: And the person that sits
24 in that chair is the, the safe (inaudible)? Which
25 chair are you talking about back there?

1 SCOTT MORRIS: We're talking about the
2 Executive Team response advisor.

3 JOHN MONNINGER: Okay, the Executive Team
4 response advisor. So, so the call would be led up
5 through the HOO line, the Executive Team response
6 officer and Chuck or I out here.

7 SCOTT MORRIS: Yeah.

8 JOHN MONNINGER: And we would link
9 through the Ops Center and the --

10 SCOTT MORRIS: We would set up, we would
11 set up a separate room, John, and I'd, we'd go back
12 in one of the ante rooms here.

13 JOHN MONNINGER: Okay.

14 MARTY VIRGILIO: We, of course, would do
15 it to suit the time of the General.

16 CHARLIE MILLER: Right.

17 SCOTT MORRIS: Sure. We have somebody
18 here 24/7.

19 MARTY VIRGILIO: And we could think about
20 protocol as to, you know, what you would brief and
21 then what you guys would brief.

22 JOHN MONNINGER: Okay.

23 MARTY VIRGILIO: And I could see that our
24 briefing would be from our status sheet --

25 JOHN MONNINGER: Okay.

1 MARTY VIRGILIO: -- that I send, two,
2 twice-a-day updates.

3 JOHN MONNINGER: Okay.

4 SCOTT MORRIS: I think it would be
5 helpful, John, if we knew what type of information
6 the General was looking for or what type of the
7 engagement he was trying to get with us, or whomever,
8 and then --

9 JOHN MONNINGER: Right.

10 ROY ZIMMERMAN: And if he has a list of
11 specific questions that he wants us deal with and try
12 to respond to --

13 JOHN MONNINGER: Yeah.

14 PAUL ZIMMERMAN: -- for a more effective
15 call.

16 JOHN MONNINGER: Yeah. Not right now.
17 We don't believe he does. But I, I think his assets
18 are being increasingly taxed -- I guess that's the
19 word -- so he has to know what is going on.

20 SCOTT MORRIS: Yeah. He's the guy who's
21 providing the resources, the men, the helicopters,
22 airplanes, whatever, to move stuff around and to get
23 people to set -- not in the, not in the field -- but
24 it's his guys that are doing a lot of logistics. And
25 he's like, geez, you know, I ought to know what's

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1 going on.

2 JOHN MONNINGER: Yeah.

3 MARTY VIRGILIO: Yeah. And we would
4 draw, we would draw the Reactor Safety Team, and if
5 it was going to be this week, you know, the issue du
6 jour this week is the pumping systems.

7 SCOTT MORRIS: Yeah.

8 MARTY VIRGILIO: So we would want to
9 bring the Reactor Safety Team leader into that
10 conversation so that they could get an understanding
11 of what's going on from our perspective and the
12 coordination we're doing with Naval reactors,
13 Bechtel, INPO, and others.

14 JOHN MONNINGER: Yeah. I, and from what
15 I understand, he hasn't necessarily been kept up to
16 speed maybe at all, all along, or he's just -- so
17 maybe the first couple briefings would be more
18 elementary, just to really pull him into the loop.

19 You know, we couldn't go right away into
20 this pumping system. You know, he needs broader
21 context first.

22 MARTY VIRGILIO: Okay.

23 JOHN MONNINGER: When, when would you
24 guys be available to do the first one if we were
25 going to offer it up to him?

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1 SCOTT MORRIS: Well, it, I mean --

2 MARTY VIRGILIO: I mean, the best thing
3 would be to do it on the back shifts like this
4 because that's when we're least taxed.

5 JOHN MONNINGER: Yeah.

6 MARTY VIRGILIO: So during your daylight
7 hours.

8 JOHN MONNINGER: And that's when he's
9 going to be available too.

10 MARTY VIRGILIO: Yeah. I, I like that.

11 ROY ZIMMERMAN: I'd almost say after we
12 do the first one with the Chairman, in case he has
13 any advice, there's anything he wants to tell us to
14 make sure we cover it during call.

15 MARTY VIRGILIO: But it would be
16 somewhere between, I don't know, eight and eight.
17 You know, well, I'd say eight o'clock and four
18 o'clock your time.

19 JOHN MONNINGER: So 8:00 a.m. and 4:00
20 p.m. Japanese time.

21 SCOTT MORRIS: So, and then, Roy, you
22 just said, after we do the first one with the
23 Chairman. But I, I thought we said the first one, we
24 wouldn't have the Chairman in them.

25 ROY ZIMMERMAN: No, he wouldn't be. But

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1 it's something nice to do. It's not anything that I,
2 you know, have strong feelings about. I was just
3 thinking that when we have an interaction with the
4 Chairman, we would be going over with him what we're
5 going to be doing with the General, and then if he
6 has any words for, words of wisdom for us, we would
7 know it on the front end.

8 JOHN MONNINGER: Okay. So when's your
9 next briefing for the Chairman?

10 MARTY VIRGILIO: He calls, the Chairman
11 specifically calls in when he gets up in the morning,
12 so it could be anywhere from -- you know, I'm usually
13 thinking he's going to call any time after six
14 o'clock in the morning.

15 SCOTT MORRIS: And what --

16 MARTY VIRGILIO: It sort of depends on
17 what's on his schedule and where he to be at eight
18 o'clock.

19 SCOTT MORRIS: He'd have to be on a
20 deputies committee call --

21 MARTY VIRGILIO: At eight?

22 SCOTT MORRIS: -- at eight, 7:30
23 tomorrow.

24 MARTY VIRGILIO: Then we can anticipate
25 he's going to call us probably around 6:00 or 6:30.

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1 JOHN MONNINGER: So, so --

2 (simultaneous off-mic conversation.)

3 MARTY VIRGILIO: Does that make sense to
4 you?

5 JOHN MONNINGER: Yes, but I'm trying to
6 work through these time zones.

7 So what I think I heard you guys say is
8 the Chairman's got some type of 8:30 meeting call
9 tomorrow.

10 SCOTT MORRIS: Seven-thirty.

11 JOHN MONNINGER: You guys have --

12 SCOTT MORRIS: Seven-thirty.

13 JOHN MONNINGER: -- 7:30. So you guys
14 have to brief him prior to that, probably 6:30, and
15 that is, that is our --

16 MARTY VIRGILIO: Four hours from now.

17 PAUL ZIMMERMAN: Yeah. I think it's, I
18 think it's simple. We do the briefing for the
19 Chairman around 6:30, 6:30, let him know we're going
20 to be briefing the General, ask him if he has
21 anything in particular he wants us to bring out or
22 shy away from. And from then on, the General can
23 call the shots on when he wants the briefing.

24 JOHN MONNINGER: Okay. So we would offer
25 the first briefing in four hours, the first call in

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1 four hours?

2 PAUL ZIMMERMAN: No. We're going to
3 have, we're going to be talking to the Chairman in
4 four hours. So let's --

5 MARTY VIRGILIO: Why don't you ask -- you
6 know, he is the general. Why don't you see what his
7 availability is between eight o'clock and four
8 o'clock your time?

9 SCOTT MORRIS: That's how they've
10 approached this. They're trying to minimize their
11 impact on us.

12 PAUL ZIMMERMAN: Yes.

13 SCOTT MORRIS: And frankly, that's a damn
14 good idea.

15 SCOTT MORRIS: I think Marty said it, I
16 think Marty said it best. The back shift here is
17 best for minimizing impact. So that puts it at about
18 eight in the morning your time to 4:00 p.m. your
19 time.

20 JOHN MONNINGER: Right. Right. But, but
21 that could be for the steady-state one. What I'm
22 trying to figure out is when, when is the earliest
23 time we can offer him the first one, and then we'll
24 go --

25 MARTY VIRGILIO: Right now. Right now,

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1 John.

2 JOHN MONNINGER: Okay.

3 MARTY VIRGILIO: John, if he wants to
4 talk to us, we can do it right now.

5 JOHN MONNINGER: Okay. That sounds
6 great. Thanks.

7 SCOTT MORRIS: Thanks, John. We'll look
8 forward to to hearing back from you.

9 JOHN MONNINGER: All right.

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(CONFERENCE CALL INITIATED.)

00:23:06/00:30:10

DAN DORMAN: John?

JOHN MONNINGER: You guys there?

DAN DORMAN: Yeah, we're, we're here.

JOHN MONNINGER: How are you guys doing.

DAN DORMAN: Good. How are you?

JOHN MONNINGER: Good. Thanks.

DAN DORMAN: This is Dan Dorman. The Reactor Safety Team is working through the issues with Bechtel on the design and everything, and they've gotten to the point where they're talking to USAID here --

JOHN MONNINGER: Yeah.

DAN DORMAN: -- and USAID here is saying that [REDACTED] wants this stuff. And so I spoke --

JOHN MONNINGER: [REDACTED] who?

DAN DORMAN: [REDACTED]

MALE PARTICIPANT: He's a USAID --

DAN DORMAN: My understand is [REDACTED] the guy in that building where you are, who ultimately --

JOHN MONNINGER: Right.

DAN DORMAN: -- gives the okay for USAID to procure this equipment.

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1 JOHN MONNINGER: Yes. There is, yes,
2 there is a -- they want a final, they want final --

3 DAN DORMAN: My understanding is they've
4 lined up the, the logistics for the move. But the,
5 the question that's put to them now is the
6 procurement of the equipment, the pumps, the hoses,
7 everything they need to set up these spray systems.
8 And, and AID is looking for the go-ahead from [REDACTED] 6
9 to procure this equipment.



10 [REDACTED]
11 [REDACTED]
12 [REDACTED]
13 [REDACTED]
14 [REDACTED]
15 [REDACTED]
16 [REDACTED]
17 DAN DORMAN: Okay. That could become the
18 long, the long pole in the tent.

19 JOHN MONNINGER: It, it can be, but the
20 other thing is they can decide proceed absent that
21 confirmation.

22 MALE PARTICIPANT: That's Roy and Dan, I
23 think.

24 (Simultaneous agreement.)

25 JOHN MONNINGER: I mean, you, you can

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1 gamble. You can wait for the confirmation or you can
2 gamble.

3 DAN DORMAN: Well, if [REDACTED] willing to
4 gamble, then he needs to contact his folks back here
5 to give them the green light.

6 JOHN MONNINGER: Yeah. Well, what's
7 happening is we're trying to reach of the Ministry of
8 Defense right now and get his confirmation or level
9 of confidence to allow them to proceed.

10 DAN DORMAN: Do you, do you have a sense
11 of when that might happen, when they might reach the
12 point where they say, we're either, we either got an
13 answer from MOD or we're going without it?

14 JOHN MONNINGER: We'd like to get it, you
15 know, within the next couple hours.

16 DAN DORMAN: Okay. We, we'd hate to have
17 this stuff lined up in warehouses and cooling in its
18 heels if that's not necessary.

19 JOHN MONNINGER: Right. Right. That's,
20 they're very much understood. It's also
21 understandable. There's a little bit of reluctance,
22 it's not confirmed, so you know, we're pushing it
23 right now.

24 DAN DORMAN: Appreciate it.

25 JOHN MONNINGER: Hey, do you want a point

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1 of information?

2 SCOTT MORRIS: Sure.

3 JOHN MONNINGER: The embassy, there's
4 some Russians in town who are back to meet with us.
5 They're are supposedly technical experts. Two of
6 them, we don't know their exact names or positions.
7 We believe they've been involved in, potentially,
8 Chernobyl cleanup and some other nasty stuff in
9 Russia.

10 So we've agreed to meet with them at 7:00
11 p.m. this evening. We'll have to do it off-site.
12 But we said we would meet with them 7:00 p.m. if they
13 could have a phone call/conference call speaker
14 bridge and foot the bill back to Headquarters such
15 that we could potentially loop the RST in. I haven't
16 notified the RST of that though.

17 DAN DORMAN: You have now because Pat
18 Howell is sitting right here.

19 JOHN MONNINGER: Yeah, so 7:00.
20 Actually, it's not confirmed yet. They asked if we
21 could attend one at 7:00 p.m. or 7:30 our time out
22 here. He said yes, but they're yet to get back to
23 us.

24 But we do expect the meetings to occur,
25 but it's not confirmed, and that would be in about

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1 two, three hours 15 minutes from now. So whatever
2 that makes it back there.

3 SCOTT MORRIS: Any more word from the
4 General, Japanese, of U.S. Forces in Japan?

5 JOHN MONNINGER: No. What, what we -- a
6 very similar position. We provided our proposal
7 back, a conference call as early as five hours from
8 now to allow you guys to do your morning brief of the
9 Chairman. Well, this was five hours from probably an
10 hour and a half or so ago. That would allow you guys
11 to do your morning brief of the Chairman back there
12 and determine whether the Chairman wanted to engage
13 on this call or not. So we offered --

14 SCOTT MORRIS: (Inaudible).

15 JOHN MONNINGER: -- you know, we offered
16 the five hours about an hour and a half ago and
17 hadn't heard from them.

18 And we said subsequent briefings would be
19 on day shifts here, which is night shifts back there,
20 and the general could pick the time.

21 DAN DORMAN: Okay.

22 JOHN MONNINGER: Is that fair?

23 DAN DORMAN: Yeah. Great.

24 JOHN MONNINGER: Okay. But, but those
25 items, the Russians and the General, their, the loop

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1 hasn't been closed yet. But, but it's not NRC
2 actionable.

3 (Off-mic conversation.)
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10 SCOTT MORRIS: Chuck's with them. Right?

11 JOHN MONNINGER: Chuck's with them, and
12 it's our speculation who the meeting is --

13 MALE PARTICIPANT: It might be some -- I
14 would think it would be meetings with (inaudible) to
15 give the current status.

16 DAN DORMAN: An FYI for you: We're,
17 Marty's on a call with Jim Lyons at IAEA --

18 JOHN MONNINGER: Okay. Jim? good.

19 DAN DORMAN: -- to try to figure out what
20 exactly they're intending to do et cetera and so on.

21 JOHN MONNINGER: Right. Right.

22 DAN DORMAN: And make sure we're
23 coordinated and not stepping on each other.

24 JOHN MONNINGER: Okay. Good. All right.
25 Thanks guys.

1 MALE PARTICIPANT: All right. It looks
2 like you're meeting's coming up with the director.

3 JOHN MONNINGER: All right. Bye-bye.
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(CONFERENCE CALL INITIATED.)

03:30:23/00:33:25

DAN DORMAN: Lee, are you there?

LEE TRASMINE: This Lee.

MARTY VIRGILIO: Hi, Lee. We cut you off earlier because we were on another discussion. We thought we'd connect back with you and see what was up.

LEE TRASMINE: Okay. Well, I guess most of the evening has been involved with the Bechtel pump issues.

DAN DORMAN: Okay. And what's your understanding of the status of that?

LEE TRASMINE: My understanding of the status is that, you know, we need to get an answer back from [REDACTED] the head of the DART team, before they can actually do the financing and logistics of transporting that stuff.

DAN DORMAN: Okay. That's consistent with our understanding. And we have just been in touch with John Monninger and Company out in Tokyo.

LEE TRASMINE: Uh-huh.

DAN DORMAN: Just reminding them of that, and the urgency of that.

LEE TRASMINE: Right. And, and I know

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1 there's been some questions.

2 I had heard discussion earlier, you know,
3 that if it was approved, that USAID would be paying
4 for, you know, likely the transport. And I guess
5 they also need to specifically ask about procurement
6 of goods. So it would be ones and/or the other. It
7 depends on what [REDACTED] [REDACTED] approves. 6

8 DAN DORMAN: I think there's, there's,
9 there's the design work that Bechtel's done, the
10 procurement of the, of the goods, and transportation
11 of the materials, and then ultimately, you know, the
12 assembly and operation of it. So it's kind a, it's
13 kind of the whole --

14 LEE TRASMINE: A multi-faceted, then.

15 MARTY VIRGILIO: Yep.

16 LEE TRASMINE: Okay. Okay. But was that
17 all specified in the request?

18 DAN DORMAN: There are multiple entities
19 involved in that. It's not just Bechtel.

20 LEE TRASMINE: Correct.

21 DAN DORMAN: So . . .

22 LEE TRASMINE: Correct. What, was all of
23 that specified in the request to [REDACTED] [REDACTED]? 6

24 DAN DORMAN: Well, again, I mean we're
25 not interacting directly from here.

1 LEE TRASMINE: Right.

2 DAN DORMAN: We've relayed that to the
3 site team and we're awaiting the status of that.

4 LEE TRASMINE: Right. And we spoke with
5 the logistics folks here and tried to send out an
6 email, just to -- once, once an answer comes back for
7 [REDACTED] [REDACTED] it can happen very fast -- so we were
8 just trying to grease the skids a little bit with,
9 hey, if you get any of this logistics information
10 ahead of time, it would help that process.

11 DAN DORMAN: All right.

12 LEE TRASMINE: But that, that should not
13 hold up our asking and getting an answer.

14 MARTY VIRGILIO: Okay.

15 DAN DORMAN: Okay. All right, well, I
16 don't really have much more to offer you.

17 LEE TRASMINE: Okay. Okay, well I do
18 appreciate the touching down.

19 PAUL ZIMMERMAN: Lee, this is Roy. Do
20 you need anything from us?

21 LEE TRASMINE: No. We're doing pretty
22 well, doing pretty well. Folks are actually starting
23 to show up here. So it's, it's been kind of a busy
24 night, a lot of emails going through, quite a few
25 phone calls. So I'm glad to be aboard.

1 ROY ZIMMERMAN: All right. Very well.

2 LEE TRASMINE: Thank you. Likewise.

3 DAN DORMAN: Bye.

4 LEE TRASMINE: Bye-bye.

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(CONFERENCE CALL INITIATED.)

00:33:29/00:53:49

MARTY VIRGILIO: Hey, Chuck?

MALE PARTICIPANT: The call with the
General's at nine.

DAN DORMAN: I'll do the call with
Fields, but I, I've got to talk to Marty about that,
too, or whomever's on shift.

MARTY VIRGILIO: Chuck, you're on the
bridge with the Executive Team.

CHUCK CASTO: Hi. This is Chuck Casto.
Who's on the Executive Team?

DAN DORMAN: Marty Virgilio, Roy
Zimmerman, Dan Dorman.

CHUCK CASTO: Good. Good.

MALE PARTICIPANT: We're on a recorded
line.

CHUCK CASTO: Yeah, I need to get off the
recorded line. So you guys, can you call us back?

MARTY VIRGILIO: Yeah, we can do that.

CHUCK CASTO: On a clean line?

MARTY VIRGILIO: Yeah.

CHUCK CASTO: Do you know our number?

DAN DORMAN: Can the HOOs put you --

Can the HOOs split them out and put them

1 on a non-recorded line?

2 HOO: Absolutely. We can take the call
3 right now and stick him on a conference bridge that's
4 not recorded.

5 DAN DORMAN: Yes. Do that.

6 MARTY VIRGILIO: Yeah, could you do that?
7 Could you put them in the back room?

8 HOO: Yeah. If you would like, we can
9 transfer. If you want Mr. Casto to call back in,
10 we'll simply transfer you to the ET chamber.

11 MARTY VIRGILIO: All right.

12 HOO: So, Mr. Casto, why don't you drop
13 the line, sir. Call us back in the Ops Center.

14 And Mr. Virgilio, I'll shoot the call to
15 the chamber.

16 MARTY VIRGILIO: Okay.

17 HOO: Roger that.

18 (Conference call ended.)

19 (On-bridge conversation continues at
20 00:34:51.)

21 MALE PARTICIPANT: They've, they've taken
22 air samples at, from the nuclear (inaudible) -- air
23 samples taken by a Japanese government organization,
24 and he's the -- according to him, they've been
25 duplicating measurements for Tokyo in any location.

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1 These are good numbers. I asked about
2 the pedigree of the quality of samples taken taken.
3 He said (inaudible) these are reliable samples.

4 The samples they've taken, they converted
5 the samples, which are prepared samples, to thyroid
6 doses because of the, of iodine and cesium levels.
7 The iodine conversion would give you 75 microsieverts
8 mSv, which is in the 10 mrem range, which we have.
9 That is, you know, they would have 7-1/2 mrem per
10 unit. So it, it's confirmed. It wasn't . . .

11 Then they went back and actually used a
12 complex core projection. So, using the data as best
13 that they knew of the reactor -- I think they used
14 one reactor (inaudible) -- and they predicted in that
15 location where the samples were taken, and they came
16 up with a range of 100 microsieverts and one
17 millisievert, which, the 75 is in that range of the
18 (inaudible) on the lower end.

19 MALE PARTICIPANT: For the Tokyo
20 (inaudible)?

21 MALE PARTICIPANT: Between Tokyo and the
22 -- within Tokyo.

23 MALE PARTICIPANT: Tell me again what the
24 source (inaudible) they used, please.

25 MALE PARTICIPANT: Well, they went --

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1 MARTY VIRGILIO: Have they done a
2 background?

3 MALE PARTICIPANT: No. They, they
4 actually, they -- to, to do a little bit more benefit
5 of the samples that were taken, they projected from
6 the reactor, their best understanding of the status
7 of the core.

8 MARTY VIRGILIO: Okay.

9 MALE PARTICIPANT: And I don't have the
10 details with me; it's --

11 MALE PARTICIPANT: It's some release
12 rate?

13 MALE PARTICIPANT: Yes, at some release
14 they had best as they could. And their projection
15 came not too distant from the actual measurement.
16 And, and they were satisfied that this is good enough
17 because the smoke, for example, was taken.

18 Then this particular projection was, it
19 was benefiting from multiple samples along the way,
20 so they kind of fine-tuned their source terms for
21 these, and so the reactor core source term for this
22 particular --

23 MALE PARTICIPANT: Iodine and potassium?

24 MALE PARTICIPANT: Yes.

25 And they also went back to the spent fuel

1 pools. Now, for those, they didn't have samples to
2 confirm. But then they did project, using basically
3 the same at the current conditions, the, applying,
4 these are the elevated numbers in measurements here,
5 and they --

6 MALE PARTICIPANT: Bigger numbers?

7 MALE PARTICIPANT: -- bigger, bigger than
8 the -- from the spent fuel pool source term as best
9 as they knew them. In other words, they didn't
10 (inaudible) it from the spent fuel pool were larger
11 --

12 MALE PARTICIPANT: Even with the
13 (inaudible) the fuel?

14 MALE PARTICIPANT: Yes. Apparently, the
15 extent that they had. And these guys appear to be
16 kind of sophisticated. They're 24-hour, seven, and
17 they've invited us to call them anytime we have any
18 questions, and they were happy to help us out.

19 MALE PARTICIPANT: (Inaudible) before
20 anything happens.

21 MALE PARTICIPANT: Okay. This was not
22 all Oliver's stuff. Oliver's in Japan. This is --

23 MALE PARTICIPANT: Oh. These guys are
24 not in Japan?

25 MALE PARTICIPANT: No. These are in

1 Paris. This is a, another organization. So Oliver
2 is in Japan at the Embassy and, and helping these
3 guys. So these guys are doing all the calculations
4 from the information gathered by (inaudible) through
5 the help of the embassy and many others that they
6 have out there.

7 They're well equipped, they said, to
8 assess the conditions of the ground. So their
9 assumptions here are benefiting from their, their
10 assessment.

11 (Audio interference.)

12 MALE PARTICIPANT: (Inaudible) shift.

13 (Audio interference).

14 MALE PARTICIPANT: (Inaudible) -- these
15 numbers?

16 MALE PARTICIPANT: These, these are good
17 numbers. They're, they were assuming that these were
18 basically projection goals, [REDACTED]

19 [REDACTED]
20 MALE PARTICIPANT: [REDACTED]
21 [REDACTED]
22 [REDACTED]

23 MALE PARTICIPANT: Well, five Rems,
24 that's evacuation time. That's very, very
25 (inaudible).

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1 MALE PARTICIPANT: But this is not five.
2 This is ten millirem.

3 MALE PARTICIPANT: Millirem?

4 MALE PARTICIPANT: Yeah.

5 MALE PARTICIPANT: Ten millirem.

6 MALE PARTICIPANT: Ten, yeah, 7.5
7 millirem.

8 (Simultaneous conversation.)

9 MALE PARTICIPANT: But it's still --

10 MALE PARTICIPANT: But these, but this is
11 150 miles away.

12 MALE PARTICIPANT: Yes, and this is
13 (inaudible) here. And, therefore, still there's
14 concern for the fact that if, if this is an air
15 sample, imagine the position on the ground along the
16 way of collecting and then, you know, is there an
17 injection concern? Because I think that was what
18 Shaun Cool (phon) was talking about. He said, once
19 you inhale iodine, some of it is then --

20 MALE PARTICIPANT: You, you exhale it.

21 MALE PARTICIPANT: -- exhale it. But if
22 you ingest it, you get a little bigger dose
23 cumulatively over time, cumulatively if you ingest.

24 MALE PARTICIPANT: You know, like --

25 MALE PARTICIPANT: Again, subject to a

1 lot of stuff because people go through the cow
2 pastures --

3 (Simultaneous conversation.)

4 MALE PARTICIPANT: Another pathway in
5 (inaudible).

6 MALE PARTICIPANT: Yeah, and people can
7 wash it they can -- all that is in there. But we got
8 it in there. It's too.

9 MALE PARTICIPANT: Good.

10 MALE PARTICIPANT: It didn't go away. In
11 other words, we were hoping it would go away and it
12 would be, oh, yeah, yeah, it's a bad number; don't
13 count on it. However, they're not putting it in any
14 press releases.

15 MALE PARTICIPANT: Have they posted it to
16 the website?

17 MALE PARTICIPANT: In the website, and
18 they're sharing that website with Nuke and they're
19 sharing all that information. But this is the Nuke
20 and they'll pass it on to the Reactor Safety Team.

21 MALE PARTICIPANT: I haven't seen the
22 flyover data yet.

23 (Simultaneous off-mic conversation.)

24 SCOTT MORRIS: No, I didn't. I just came
25 in at 11:00 and now all of a sudden I got --

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1 MALE PARTICIPANT: Well, they didn't get
2 any plume that they could measure (inaudible).

3 MALE PARTICIPANT: Yeah, from what I
4 understand, they measured ground but the (audio
5 interference).



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20 SCOTT MORRIS: Yeah, that's what I saw
21 when I was there. I went to (inaudible) on an
22 exercise, and on the protective measures side, they
23 have their stuff together.

24 MALE PARTICIPANT: Yeah. They certainly
25 went through the steps of taking the samples and

1 conversions and all that stuff and pedigreed them.

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5 MALE PARTICIPANT: Yes.

6 MALE PARTICIPANT: Well, this is not, I
7 don't think it rises to that level, for actually, for
8 people to evacuate Tokyo. But it basically means,
9 keep an eye on it just in case. If he turned around
10 and said, no, I have more equipment for you --

11 MALE PARTICIPANT: No, no, no.

12 (Simultaneous off-mic conversation.)

13 MALE PARTICIPANT: I said, but how do you
14 reconcile your dose projections that you did about
15 the 50-mile evacuation with the consequences that it
16 has caused. (Audio interference.) I said we are
17 (inaudible). You know, these are calculations we do
18 every time something --

19 MALE PARTICIPANT: What are they thinking
20 about the consequences?

21 MALE PARTICIPANT: The damage --

22 MALE PARTICIPANT: The consequences that
23 our, that our decision caused?

24 MALE PARTICIPANT: Yes. I, that was the
25 way I interpreted it.

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1 MALE PARTICIPANT: There's a lot of
2 people who are moving.

3 MALE PARTICIPANT: Yeah, the
4 consequences.

5 MALE PARTICIPANT: And there's political
6 implications too.

7 MALE PARTICIPANT: Yeah. I, I, I said,
8 you know --

9 SCOTT MORRIS: There wasn't a whole lot
10 of American citizens within the radius.

11 MALE PARTICIPANT: Of the reactor.

12 SCOTT MORRIS: No.

13 MALE PARTICIPANT: The embassy said there
14 weren't --

15 (Simultaneous off mic conversation.)

16 SCOTT MORRIS: -- political statements.

17 [REDACTED]
18 [REDACTED]
19 [REDACTED]
20 MALE PARTICIPANT: (Inaudible).

21 MALE PARTICIPANT: But I did say that
22 we're constantly revisiting our assumptions and
23 calculations and so forth, and could you share with
24 us? And he said, I'll ask my team to share it with
25 you.

1 MALE PARTICIPANT: Yeah, what's bad is
2 that (inaudible) teams were sharing facts (audio
3 interference) path.

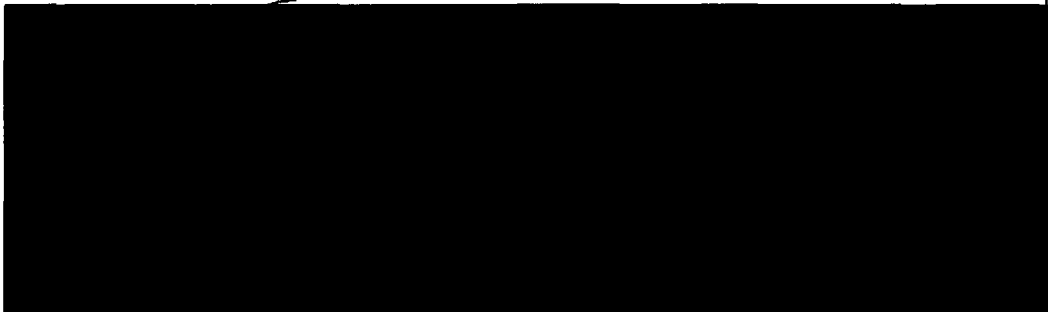
4 SCOTT MORRIS: Early on, we didn't want
5 to share all our projections and just made some
6 (inaudible) limitations.

7 MALE PARTICIPANT: Yeah. Yeah. Yeah.
8 Not everything is safe because people can take it
9 who-knows. It gets to the media in the US, and
10 you're in trouble.

11 SCOTT MORRIS: That's, I suspect that
12 they're doing the same thing if they're saying, hey,
13 this is just for you guys. That's what they were
14 asking from us.

15 (Simultaneous conversation.)

16 SCOTT MORRIS: Keep it just within us,
17 but we want to emphasize that it --



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22 MALE PARTICIPANT: Seems a little
23 backwards. Right?

24 MALE PARTICIPANT: The preliminary
25 analysis indicates that radiological (inaudible)

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1 extended 50 miles North of Tokyo for background.

2 That's not consistent.

3 MALE PARTICIPANT: (Off mic.)

4 MALE PARTICIPANT: Yeah, I gave them --
5 even, even macroscopic and microscopic weather
6 conditions, you know, the uncertainties of the
7 (inaudible) get this stuff, and we may be seeing a
8 little bit more radiological (inaudible).

9 MALE PARTICIPANT: We'll get that
10 information from them.

11 MALE PARTICIPANT: Okay. Okay. So we're
12 good? Did we answer your questions?

13 MALE PARTICIPANT: Yes.

14 MALE PARTICIPANT: It's not going to be
15 in the press but it's going to be on the website, and
16 many other pieces of information were posted.

17 (Standby from 00:47:06 to 00:49:13.).

18 (Extraneous content omitted.)

19 (On-bridge conference continued at
20 00:49:39.)

21 SCOTT MORRIS: At this point, are we
22 going to (inaudible) inspection?

23 MALE PARTICIPANT: Yeah, I would, I would
24 say we (inaudible) for the predictive levels of
25 excessive employees for the --

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1 MALE PARTICIPANT: Is this the extension
2 or the actual --

3 MALE PARTICIPANT: No, they extended it
4 another three weeks.

5 AMY: Yeah, they just extended 30 days.

6 MALE PARTICIPANT: That'll take us out to
7 April 8th.

8 AMY: But (inaudible) when it's going to
9 be done. I've done all but -- I'm on the --

10 MALE PARTICIPANT: I'll teach it to you.
11 I'll teach it to you if you want. Have you taken TE
12 or PWR?

13 AMY: I took PE.

14 (Extraneous content omitted.)

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25 AMY: Yeah.

1 MALE PARTICIPANT: You can't read my
2 writing already.

3 FEMALE PARTICIPANT: No. I can read it.
4 I just wanted to see if you wanted this in the top
5 priorities, or --

6 MALE PARTICIPANT: Yes. Yeah, you can --
7 it's part of that, and it's all highlighted.

8 AMY: Are you keeping your (inaudible)
9 review?

10 MALE PARTICIPANT: Um-hmm. I'm
11 essentially noted (inaudible) Japan.

12 AMY: Yeah?

13 MALE PARTICIPANT: Nothing passes my desk
14 without a lot of ink.

15 (Extraneous content omitted.)

16 MALE PARTICIPANT: What have you heard
17 about our staff there? Is it good enough? Is it not
18 good enough?
19

(CONFERENCE CALL INITIATED.)

00:54:01/1:18:51

MALE PARTICIPANT: Good morning, Brian.

BRIAN McDERMOTT: Good morning. This is
Brian McDermott.

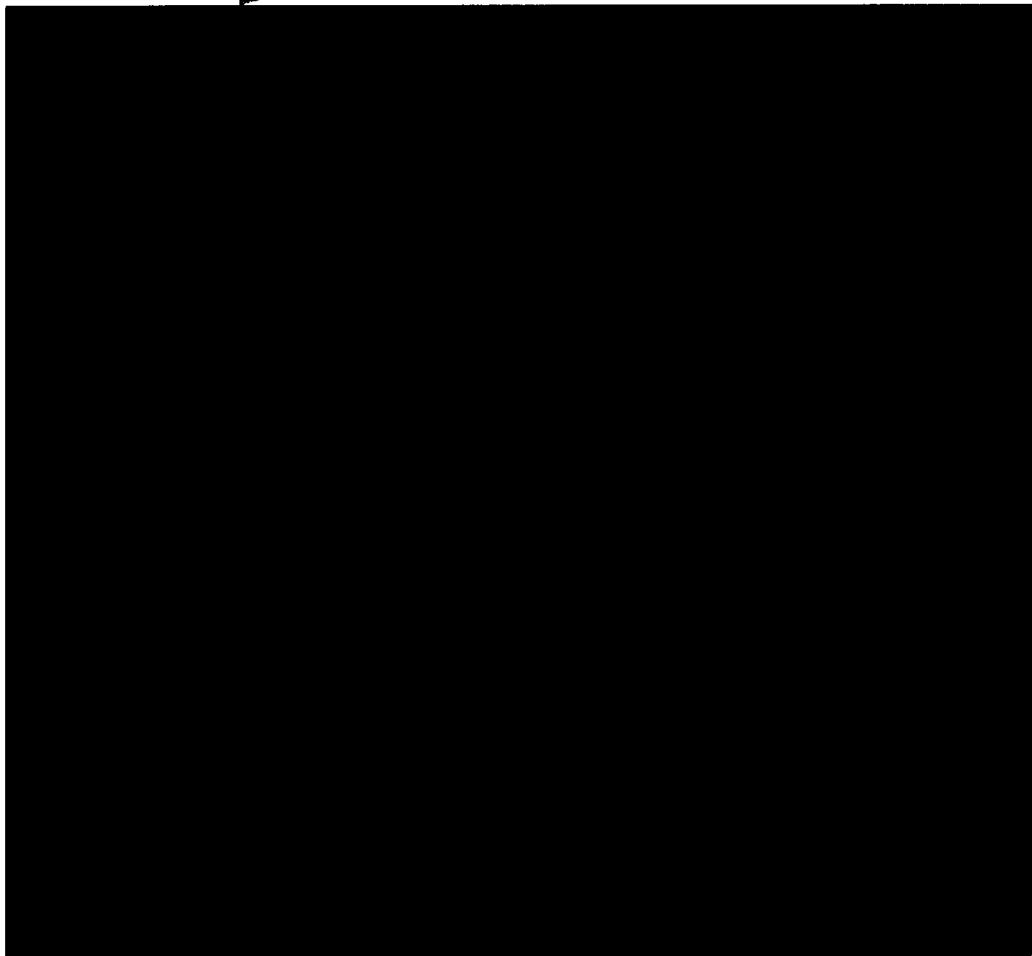
(Standby from 00:54:03 to 00:54:33.)

BRIAN McDERMOTT: Scott?

SCOTT MORRIS: Yeah?

BRIAN McDERMOTT: The reason I'm calling
in is really just to monitor what's going on to make
the turnover little easier.

SCOTT MORRIS: Okay. No problem.



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1 --

2 MALE PARTICIPANT: Well, it appeared
3 (inaudible).

4 SCOTT MORRIS: I'd be careful where
5 overstating that would be.

6 (Feedback.)

7 (Extraneous content omitted.)

8 SCOTT MORRIS: I am on the passage here
9 that says, 'reflect in next situation.' The
10 situation, of course, is the Japanese have not as yet
11 established power. That was what (inaudible) me with
12 regard to --

13 FEMALE PARTICIPANT: (Off mic).

14 (Audio interference.)

15 BRIAN McDERMOTT: Scott, what that was in
16 reference to was, there was some discussion yesterday
17 about the fact that they were going to try to bring
18 power back to particular units yesterday, and then
19 the other half of the units the next day.

20 SCOTT MORRIS: This said Saturday.

21 BRIAN McDERMOTT: It was not, it was not
22 described what today and tomorrow were, and with the
23 dateline change and stuff, it was confusing people.
24 So there was a request that we use the, you know, the
25 Zulu date/time verbiage.

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1 SCOTT MORRIS: Yeah, don't say today
2 because that's ambiguous.

3 BRIAN McDERMOTT: Right.

4 MALE PARTICIPANT: Or, or Saturday.

5 FEMALE PARTICIPANT: Yeah.

6 MARTY VIRGILIO: Yeah. The latest date's
7 Saturday, and I would just say put "(JST)".

8 SCOTT MORRIS: Well, you can close this
9 document. I mean, we'll just put it in the siver.

10 MARTY VIRGILIO: Right.

11 SCOTT MORRIS: That's the direction in
12 the action item was to put it in this siver.

13 MALE PARTICIPANT: Yeah.

14 FEMALE PARTICIPANT: Right. Um-hmm.

15 MALE PARTICIPANT: [REDACTED]
16 [REDACTED]
17 [REDACTED]

18 MALE PARTICIPANT: They've done two.
19 We're waiting on the data.

20 MALE PARTICIPANT: (Inaudible) two, two
21 Friday.

22 MALE PARTICIPANT: We're waiting for the
23 assessment of the second one.

24 (Extraneous content omitted.)

25 BRIAN McDERMOTT: Did we hear if they

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1 made any progress with that electrical hookup?

2 MALE PARTICIPANT: They got into the,
3 into the, onto the ground. They're talking about
4 trying to get it hooked up in the unit two. But then
5 they, then they, Tepco in their news conference,
6 indicated they hope to get the power by Saturday.

7 SCOTT MORRIS: That's actually what I
8 thought.

9 FEMALE PARTICIPANT: Yeah, but I can
10 (inaudible).

11 (Off-mic conversation.)

12 FEMALE PARTICIPANT: Do you want it stay
13 this way, or do you want it to stay up and down but
14 (inaudible).

15 MALE PARTICIPANT: Yeah --

16 (Simultaneous conversation.)

17 MALE PARTICIPANT: What we're going to do
18 is take NRC, let's make that an NRC priority and --

19 MALE PARTICIPANT: (Inaudible).

20 MALE PARTICIPANT: -- and in the unit
21 numbers, we'll (inaudible) whatever they've got.

22 FEMALE PARTICIPANT: I don't like the
23 chart we have up there.

24 MALE PARTICIPANT: Yeah. I don't know
25 why we need (inaudible).

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(Extraneous content omitted.)

FEMALE PARTICIPANT: Yeah, well, I'll go start working on this.

MALE PARTICIPANT: We've got to get this thing done by six. The Chairman will wake up and (inaudible).

MALE PARTICIPANT: Hey, Tom. Good morning.

TOM: Good morning. Good morning, Mike.

MALE PARTICIPANT: Yeah, let me finish this. I'm trying to get this together for the Chairman.

(Extraneous content omitted.)

(Simultaneous inaudible conversation and inaudible news report.)

NHK NEWSCASTER: (In progress) -- When the spraying was finished at around 2:50 p.m., the measurement decreased to 3,000, from 339 microsieverts. The company felt it was too early to value results and (inaudible) of the operation.

MALE PARTICIPANT: A hundred millisieverts is the same as a hundred millirems.

MALE PARTICIPANT: (Inaudible) microsieverts (inaudible).

MALE PARTICIPANT: They put it on their

1 website.

2 MALE PARTICIPANT: Is that right,
3 (inaudible)?

4 MALE PARTICIPANT: The French took the,
5 the samples from Tokyo and --

6 MALE PARTICIPANT: I know. French used
7 samples taken by a Japanese government organization
8 and they --

9 MALE PARTICIPANT: In Tokyo?

10 MALE PARTICIPANT: -- in Tokyo.
11 (Inaudible).

12 MALE PARTICIPANT: And they, they divided
13 it up and then converted those air samples into
14 thyroid doses from inhalation and posted it on the
15 IRSN website.

16 (Extraneous content omitted.)

17 SCOTT MORRIS: This column here is
18 assigned, accepted? (Inaudible) is that correct?

19 FEMALE PARTICIPANT: That's correct.

20 SCOTT MORRIS: (Inaudible).

21 FEMALE PARTICIPANT: Correct. They
22 (inaudible) but nobody actually witnessed them --

23 SCOTT MORRIS: Well, I think some of that
24 stuff's been done.

25 FEMALE PARTICIPANT: That's what I

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1 thought, but I didn't, I wasn't completely aware and
2 so I didn't want to start closing things out (audio
3 interference.)

4 SCOTT MORRIS: You know, we've probably
5 collected (inaudible). Let's start at the beginning
6 and see which ones I think is done.

7 AMY: Okay. Okay.

8 SCOTT MORRIS: Look at the status chart
9 one. The population status chart the ambassador sent
10 up. That was a --

11 FEMALE PARTICIPANT: Are you looking at
12 the latest one?

13 SCOTT MORRIS: I don't know. I don't
14 know if it's the latest one or not because it doesn't
15 have a date/time stamp on it.

16 FEMALE PARTICIPANT: I think Marty --

17 Marty, do you the one I gave you?

18 MARTY VIRGILIO: Yeah. I haven't got
19 through it yet.

20 FEMALE PARTICIPANT: Okay.

21 MARTY VIRGILIO: Do you want it back?

22 FEMALE PARTICIPANT: Yeah. Can Scott go
23 through that one?

24 MARTY VIRGILIO: Yes, he can.

25 FEMALE PARTICIPANT: Because I know that

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1 one is -- yes.

2 SCOTT MORRIS: This one's much thicker.

3 FEMALE PARTICIPANT: Yes. Sorry.

4 SCOTT MORRIS: Is, is the most recent on
5 top, or?

6 FEMALE PARTICIPANT: Yes. That's
7 correct.

8 SCOTT MORRIS: Okay.

9 (Audio interference.)

10 (Standby from 1:04:47 to 1:05:18).

11 MARTY VIRGILIO: They've asked us, on
12 this issue, to provide a written update to the
13 ambassador about France's posting of their simulation
14 (audio interference).

15 (Off mic conversation.)

16 MALE PARTICIPANT: (Inaudible) Marty.

17 MARTY VIRGILIO: What's that?

18 (Audio interference).

19 MARTY VIRGILIO: Do you think that 2349
20 last night --

21 MALE PARTICIPANT: (Off mic).

22 MARTY VIRGILIO: Right as (inaudible)
23 Japan.

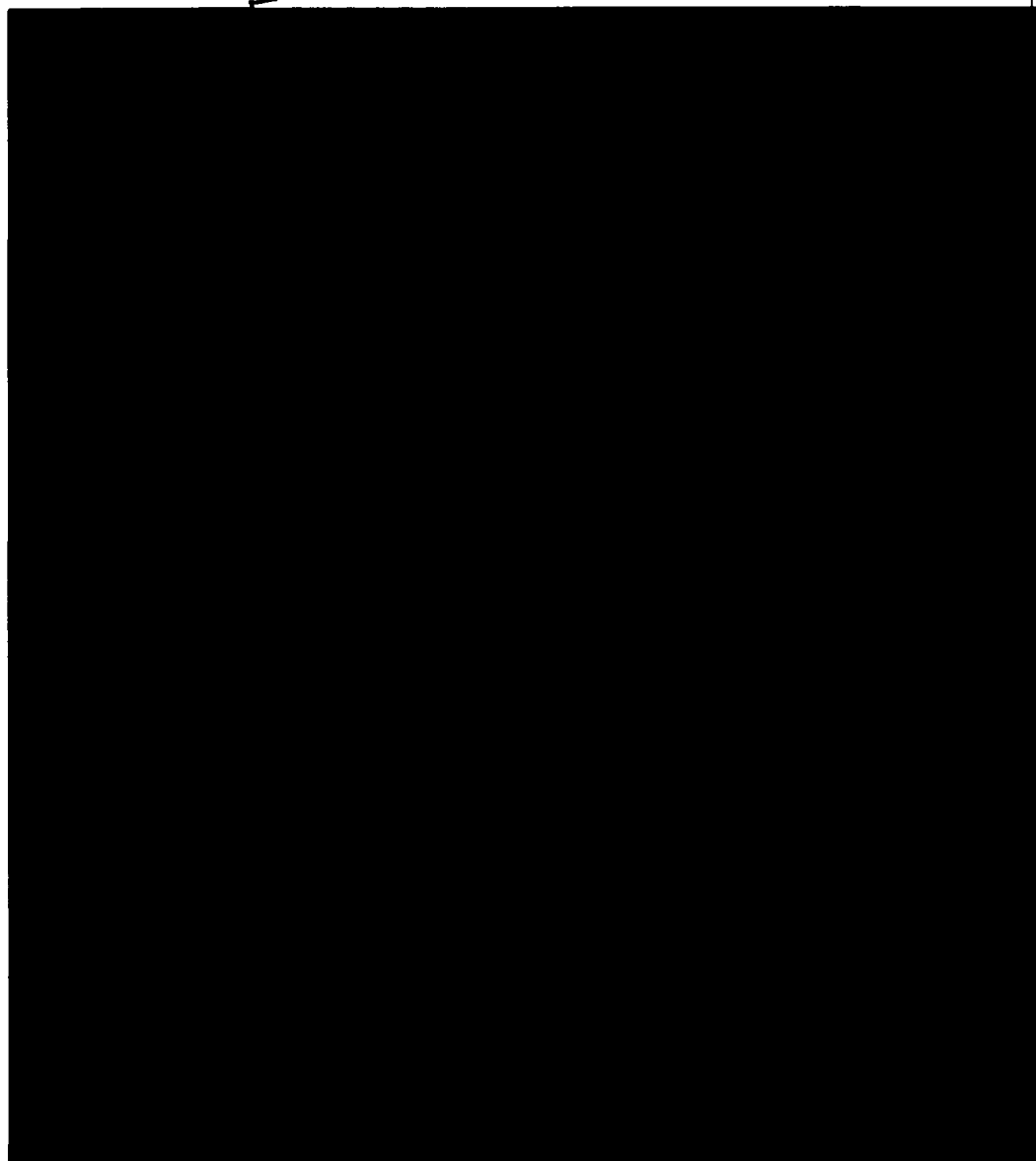
24 MALE PARTICIPANT: I would call Rick in
25 Japan. I think that that was, you know, the fire

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1 damage causing a containment meltdown. Chuck --

2 SCOTT MORRIS: We can do that. Next time
3 we talk to Chuck, we can tell him about the pool.



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20 SCOTT MORRIS: Well, if we could find
21 out, that would be good.

22 MALE PARTICIPANT: Will do.

23 (Audio interference).

24 MALE PARTICIPANT: Did Chuck mention to
25 you when Marty and I were on the phone --

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1 (Audio interference).

2 MALE PARTICIPANT: (Off mic).

3 SCOTT MORRIS: That would be a good thing
4 to add to this.

5 (Audio interference).

6 SCOTT MORRIS: -- at the EOC, which I
7 don't know where that is. And presumably, whoever it
8 is is going to need an interpreter.

9 (Audio interference.)

10 MALE PARTICIPANT: Is that the EOC? Is
11 that what you said?

12 SCOTT MORRIS: Yeah, but we don't aware
13 that is. (Inaudible).

14 (Off-mic conversation.)

15 MALE PARTICIPANT: There's a tasker in
16 here from the site team. They want to know the
17 (audio interference) fuel configuration from Tepco.
18 And all that information is in the public domain.
19 The Washington Post.

20 FEMALE PARTICIPANT: (Off mic).

21 (Audio interference).

22 SCOTT MORRIS: What do you think this
23 tasker means?

24 FEMALE PARTICIPANT: What's that one?

25 SCOTT MORRIS: Do you need any numbers or

1 what?

2 FEMALE PARTICIPANT: No, not a problem.

3 SCOTT MORRIS: "Review white paper on
4 water applications if one is available."

5 FEMALE PARTICIPANT: There is a, there is
6 a paper that Research was going to work on, I think
7 Jennifer Yule, about adding water, and --

8 SCOTT MORRIS: Oh, yeah, yeah, yeah.
9 Okay. I know what it is. I know what it is. Okay.

10 MARTY VIRGILIO: What's missing in this
11 is, is who we gave it to.

12 FEMALE PARTICIPANT: It's on the, it's
13 assigned to, the assigned -- the sheet, the
14 assignment's the next column to the right.

15 SCOTT MORRIS: You don't want -- the ET's
16 not doing a white paper.

17 FEMALE PARTICIPANT: No. It was assigned
18 to the ET because they have to tell --

19 FEMALE PARTICIPANT: Jennifer Yule knows
20 that she's supposed to do it because --

21 SCOTT MORRIS: Well, then why wouldn't it
22 say "Research"?

23 FEMALE PARTICIPANT: Because we don't
24 have that as one of our INSR (inaudible) team.
25 They're not on the website to pick from.

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1 SCOTT MORRIS: Oh, that's an interesting
2 action lesson learned about this task tracker. They
3 can only, the system only it let you assigned tasks
4 to people here here in the center. You can't task
5 anything out to anybody outside of the response
6 organization.

7 FEMALE PARTICIPANT: Right. Right, and
8 Scott, when you do the turnover, you're going to have
9 to let Weber know, I mean, get in contact with NRR
10 about the information notice --

11 SCOTT MORRIS: Notice.

12 FEMALE PARTICIPANT: -- because you're
13 going to want (inaudible).

14 SCOTT MORRIS: All right.

15 BRIAN McDERMOTT: Scott, can we tag those
16 kind of action items as reserved for some other team
17 name that we're not see using and then just put in
18 the, who the contact is outside the center and then
19 work around?

20 SCOTT MORRIS: I mean, we could.

21 BRIAN McDERMOTT: Well, other than that,
22 we won't be able to --

23 SCOTT MORRIS: We're not using our --

24 Let me see that menu. Is there a menu?
25 What are all the options?

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1 FEMALE PARTICIPANT: Like "assigned to"

2 --

3 SCOTT MORRIS: Yeah.

4 FEMALE PARTICIPANT: -- you know, the
5 base team, the ST --

6 SCOTT MORRIS: It's not like Operations
7 Support Team. We're not using them.

8 FEMALE PARTICIPANT: We could put it
9 under that.

10 SCOTT MORRIS: Yeah, put it under that.

11 FEMALE PARTICIPANT: Do you want to do
12 that cut? Okay. Well, I'll go find the --

13 SCOTT MORRIS: All the ones that, I mean
14 there's a bunch in here that, you know, we're tasking
15 out to various offices and, that aren't part of the
16 IRO.

17 FEMALE PARTICIPANT: Right.

18 SCOTT MORRIS: It's, it's hard to track
19 this stuff.

20 FEMALE PARTICIPANT: Right.

21 SCOTT MORRIS: A, there's no unique
22 number associated with each line item, which is a,
23 makes it difficult to find stuff.

24 FEMALE PARTICIPANT: Yes, I agree with
25 that.

1 SCOTT MORRIS: You know, I'm going to put
2 that to you to you to make this enhancement to this
3 task tracker because, you know, if we we're here for
4 days, weeks, months, this, this thing might be 20
5 pages long. You want to know --

6 (Simultaneous conversation.)

7 SCOTT MORRIS: -- you know, when I need
8 to look back at something, look at Item number 20.
9 Well, now, instead, I got to go back and try to
10 figure out -- there needs to be a unique number added
11 to each one of these.

12 MALE PARTICIPANT: Okay.

13 SCOTT MORRIS: And if there's a way to
14 expand the menu of options to include --

15 FEMALE PARTICIPANT: NRR --

16 SCOTT MORRIS: Like major program offices
17 or whatever.

18 MALE PARTICIPANT: You could probably put
19 --

20 SCOTT MORRIS: Don't, you have to solve
21 it here.

22 MALE PARTICIPANT: Right.

23 SCOTT MORRIS: I, I'm just saying that
24 would be a nice feature to have.

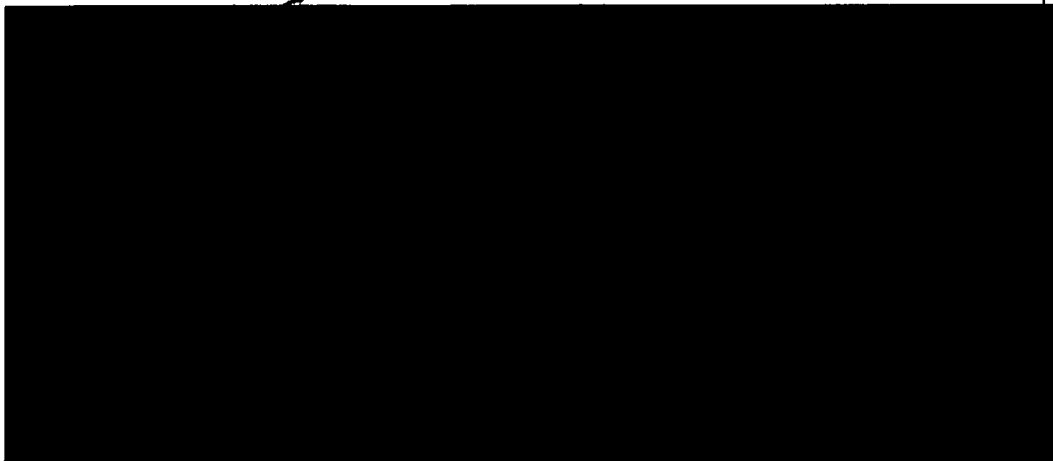
25 PAUL ZIMMERMAN: It would be even nicer

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1 if it generated an email for the (inaudible) email
2 file in that office.

3 FEMALE PARTICIPANT: Yes.



10 MALE PARTICIPANT: Yeah, we've got to
11 (inaudible).

12 (Audio interference).

13 SCOTT MORRIS: Check status -- here's
14 another one assigned to the ET -- check status of
15 INPO severe accident expert.

16 MALE PARTICIPANT: We got that. That got
17 --

18 PAUL ZIMMERMAN: I closed that one.

19 FEMALE PARTICIPANT: (Off mic).

20 SCOTT MORRIS: I can't tell you what
21 number is it is because there isn't a number.

22 FEMALE PARTICIPANT: I'm on this -- it's
23 right here. I'm with you.

24 SCOTT MORRIS: You can't just close it.
25 You have to write down what the answer was.

1 FEMALE PARTICIPANT: Yeah.

2 MALE PARTICIPANT: (Audio interference).

3 FEMALE PARTICIPANT: Do you need the
4 answer?

5 MALE PARTICIPANT: No, no, no. We need
6 to follow up and find out --

7 SCOTT MORRIS: We did what we needed to
8 do though.

9 MALE PARTICIPANT: We, yeah, we pursued
10 the possibility and were told that it (audio
11 interference).

12 SCOTT MORRIS: So I think he's right.
13 Legal, legal --

14 FEMALE PARTICIPANT: (Off mic).

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20 (Off-mic conversation).

21 MALE PARTICIPANT: I don't think you can
22 get OGC before eight.

23 MALE PARTICIPANT: And do you want me to
24 --

25 (Extraneous content omitted.)

1 FEMALE PARTICIPANT: You can read it. I
2 know what it says.

3 SCOTT MORRIS: This did get ET and RST
4 review.

5 FEMALE PARTICIPANT: Okay.

6 SCOTT MORRIS: But we got lots of
7 comments.

8 FEMALE PARTICIPANT: Okay.

9 SCOTT MORRIS: That's what generated this
10 one. Let's close this.

11 FEMALE PARTICIPANT: Close that.

12 SCOTT MORRIS: Just close this one.

13 FEMALE PARTICIPANT: Because we have a
14 new one.

15 SCOTT MORRIS: Yep.

16 FEMALE PARTICIPANT: Got it. Got it.

17 BRIAN McDERMOTT: Scott, where those
18 comments already emailed back to Magitzki (phon) and
19 the other people that were there as contacts?

20 SCOTT MORRIS: No. We, we read it and
21 it, the message is, it's not the right message. What
22 we're proposing is a, an alignment meeting with the,
23 the leadership of NRR and the Executive Team to come
24 with what's the lesson we want to convey in this
25 generic communication.

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1 It should be something more akin to what
2 INPO did, you know, in terms of taking discrete
3 actions, not advertising all the things that we've
4 done as a regulator in the industry and, you know,
5 (inaudible) done, et cetera, which is the way it
6 currently reads.

7 (Extraneous content omitted.)
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(CONFERENCE CALL INITIATED.)

01:19:17/01:43:27

MARTY VIRGILIO: Chuck, are you there?

CHUCK CASTO: Yeah, I'm here.

MARTY VIRGILIO: What's up?

CHUCK CASTO: So, I just got out of the staff meeting with the ambassador and I got a couple -- you guys, you've got to stop taking our calls.

Let me give you an overall -- you got time for -- I know you're getting ready for General Field and our regular briefing, which I'm going to have to have John Monninger do for us because I've, I've got to go to a, to another -- we're going to meet tentatively at 10 o'clock with the, the Minister of Commerce --

MALE PARTICIPANT: Economy.

CHUCK CASTO: -- Economy --

MALE PARTICIPANT: [REDACTED]

CHUCK CASTO: [REDACTED] and the CEO of

Tepco --

MALE PARTICIPANT: [REDACTED]

CHUCK CASTO: [REDACTED] and the CNO

--

MALE PARTICIPANT: [REDACTED]

CHUCK CASTO: [REDACTED] So we have that

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1 meeting at, at 10. We're going to have to get over
2 there. So I'll have John, I'm going to ask John to
3 be back from the Russians by nine o'clock, and for
4 John to do that update.

5 And we're down a man. Tim is [REDACTED]

6 [REDACTED]
7 [REDACTED]
8 [REDACTED]
9 [REDACTED]
10 So I would say. Today was probably one
11 of the most distressful and, and energetic days. And
12 you know, later on today, I was thinking maybe we did
13 need some more people. If we get many more days like
14 this, we're going to have to supplement the staff
15 here.

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

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10 MARTY VIRGILIO: No. Keep going.

11 CHUCK CASTO: The, you know, mail service
12 -- there's, you know, the military today went with
13 the voluntary evacuation, so there's a lot of

14 [REDACTED] There's, I
15 don't know all these admirals, Admiral Willard,
16 Admiral Walsh, and General Fields, and a lot of those

17 [REDACTED] I think it's
18 Admiral Walsh is taking over the departure, the
19 departure activities. So, and including -- the
20 [REDACTED]

5

21 [REDACTED]
22 [REDACTED]
23 So, here, the US Embassy is doing
24 contingency planning in the event -- and so is UK --
25 they're doing contingency planning in the event that,

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1 that they would have to, you know, move out or
2 evacuate the embassy.

3 Let me review my notes here just for a
4 second because I just got out of a meeting. We've
5 got other meetings to go to.

6 But, so there's, and the relief effort
7 has gone from rescue, they've change that from rescue
8 to life-sustaining efforts. And then actually, and
9 I'll send you, I'm going to send you somehow --
10 somebody here can help me -- I've got a three-page
11 document of the United States government response to
12 the earthquake and -- they don't say that; I've got
13 to get them to change the title -- but the government
14 response to the earthquake and tsunami update.

15 This is basically a briefer for press.
16 On the second page is the activities related to the
17 nuclear power plant at Fukushima. And it gives all
18 the support the United States has provided. I think
19 everything in here, I was aware of except for a
20 couple of things.

21 The (audio interference) sent two humanitarian
22 assistance survey teams, chemical, biological,
23 radiological, and nuclear expertise to Sendai and
24 Yugamata.

25 Is how you pronounce that city?

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1 MALE PARTICIPANT: (Off mic).

2 CHUCK CASTO: Yeah.

3 And the Defense, Department of Defense
4 established a chemical, biological, radiation and
5 nuclear control center as Yakoda. They provided 150
6 NBC suits to Tepco employees. I'll send this to you.
7 It's just, I mean, it goes on and on about the US
8 supported Japan.

9 I know for me, I've spent almost all day
10 with the ambassador and, you know, so that's, that's
11 a challenge in terms of our resources if that
12 continues. You know, and now he's started these
13 staff meetings, you know, because of the response to
14 the, to the earthquake and the nuclear plant. And
15 we're part of that as well.

16 So, you know, today was a stress,
17 stressed our resources more than I thought it would
18 early today. And we're still, we're still here, and
19 we still have meetings, a couple of meetings tonight.

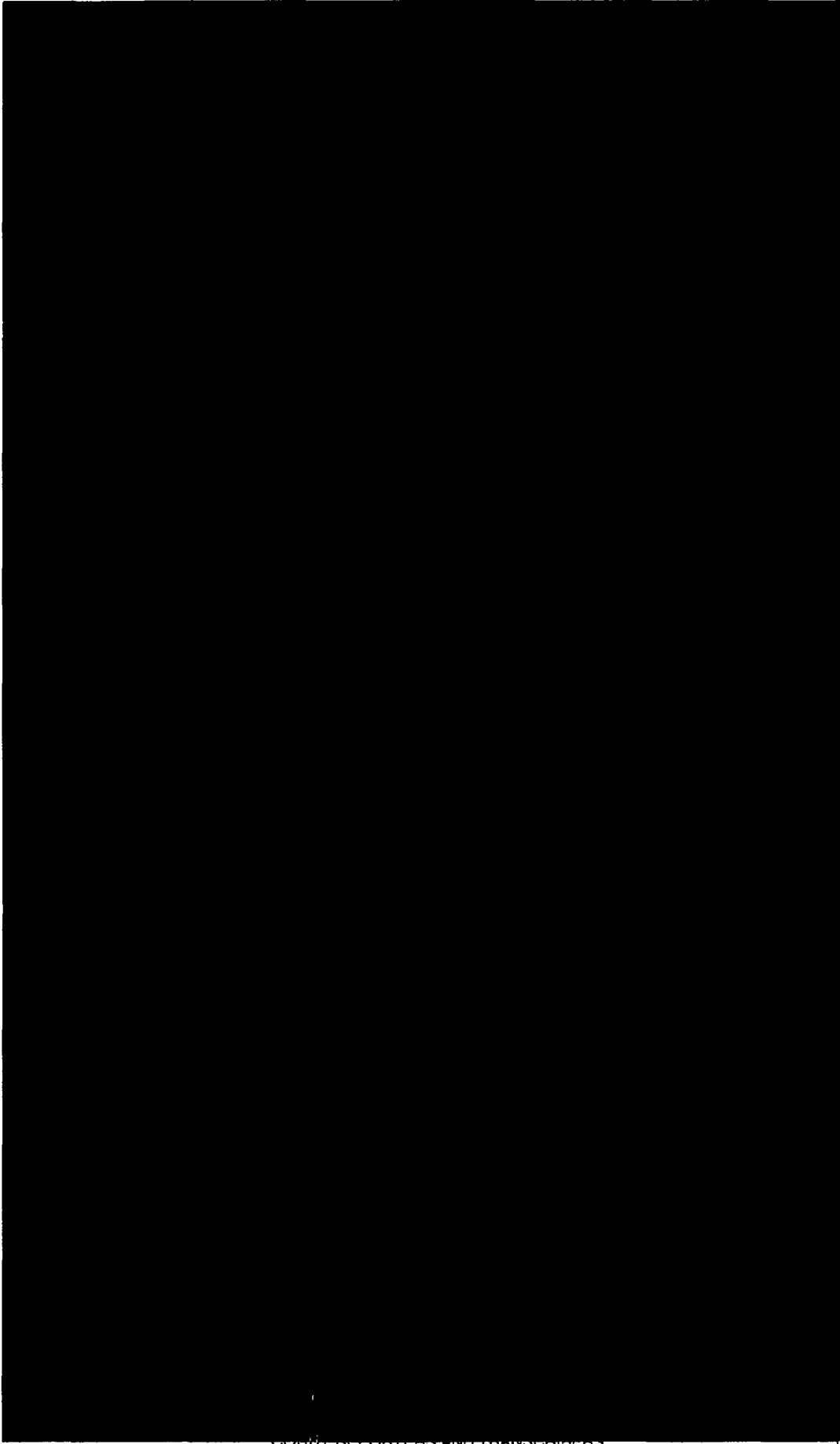
20 So we're probably going to have to think about
21 supplemental and think about more longer-term
22 facilities if that's what the, you and, you know, you
23 guys in the ET and the Chairman think might happen.
24 And we're probably going to have to start thinking
25 about something longer-term.

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MARTY VIRGILIO: Yeah.

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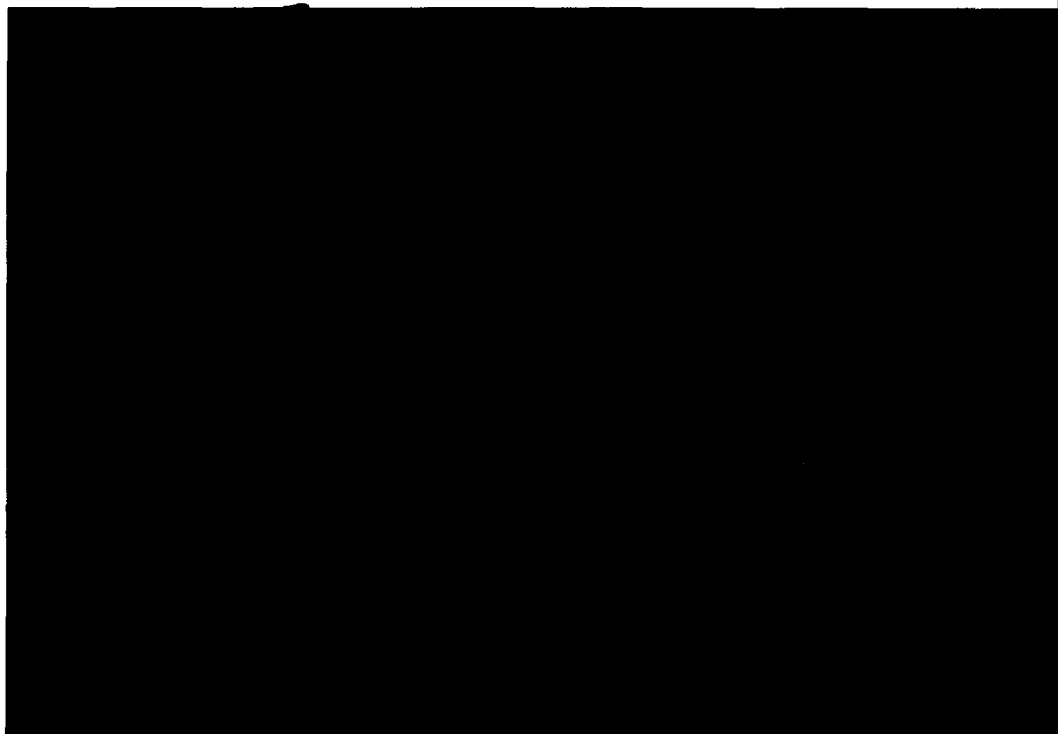
1 military and the nuclear.

2 Does that make any sense, Marty? Did
3 that clarify it?

4 MARTY VIRGILIO: Yeah. Yeah, yeah, yeah.

5 I got you now. I wasn't following you at first, but
6 now I understand.

7 CHUCK CASTO: Yeah, I don't follow myself
8 half the time.



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19 In Tokyo, you know, if -- our protective
20 action, you know, I need somebody. I don't know who
21 we've got here who can really talk about protective
22 measurements and show RASCAL runs and --

23 Jack, you can do all that?

24 JACK: I'm familiar with it.

25 CHUCK CASTO: So, you know, we need to --

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1 MALE PARTICIPANT: Chuck, where are they

2 -- Chuck --

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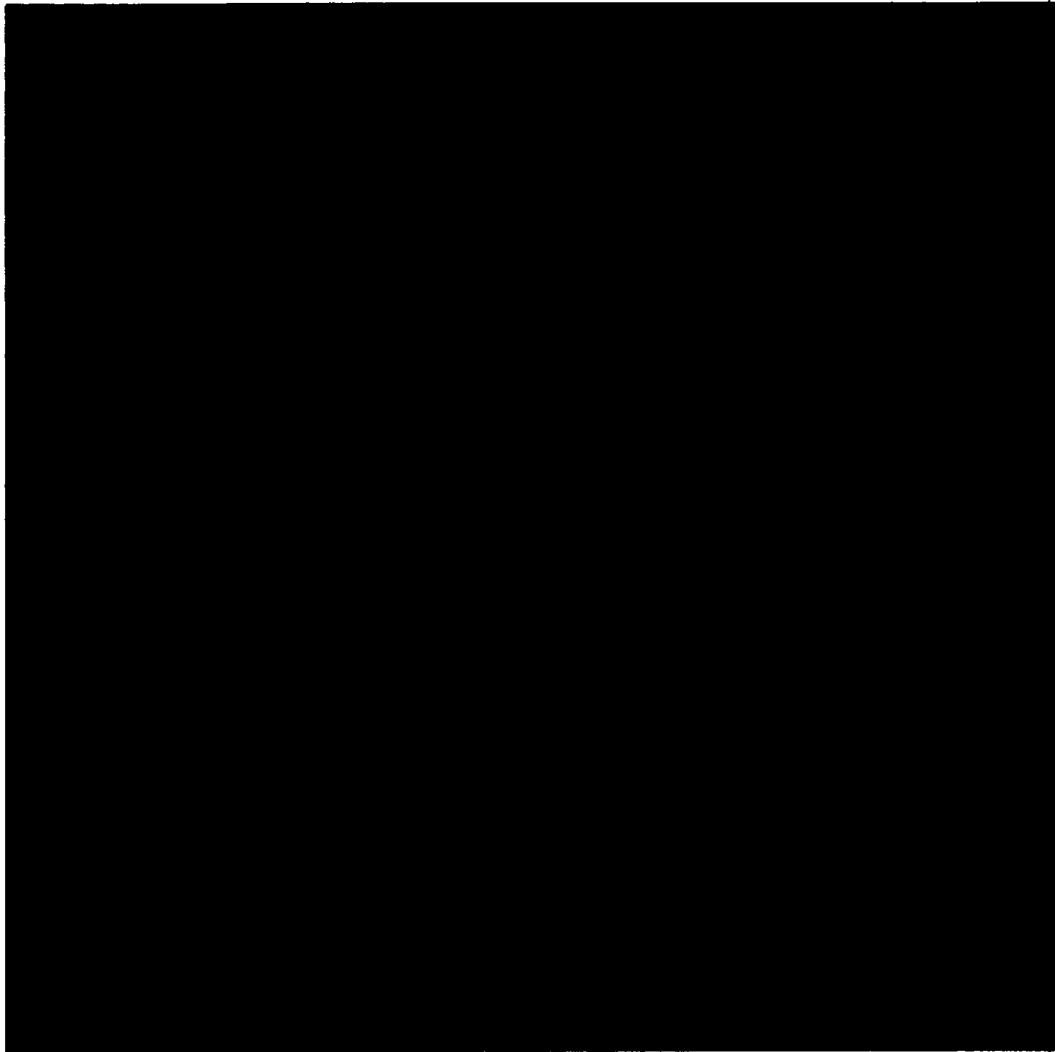
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MARTY VIRGILIO: Okay. And, you know,
we're running calculations right now to --

CHUCK CASTO: Hold on. Stand by.

(Off-mic conversation).

CHUCK CASTO: We're listening to a page
here. Just stand by, Marty. I'm sorry.

Go ahead, Marty.

MARTY VIRGILIO: We, we're developing
calculations to see what we think would be the worst

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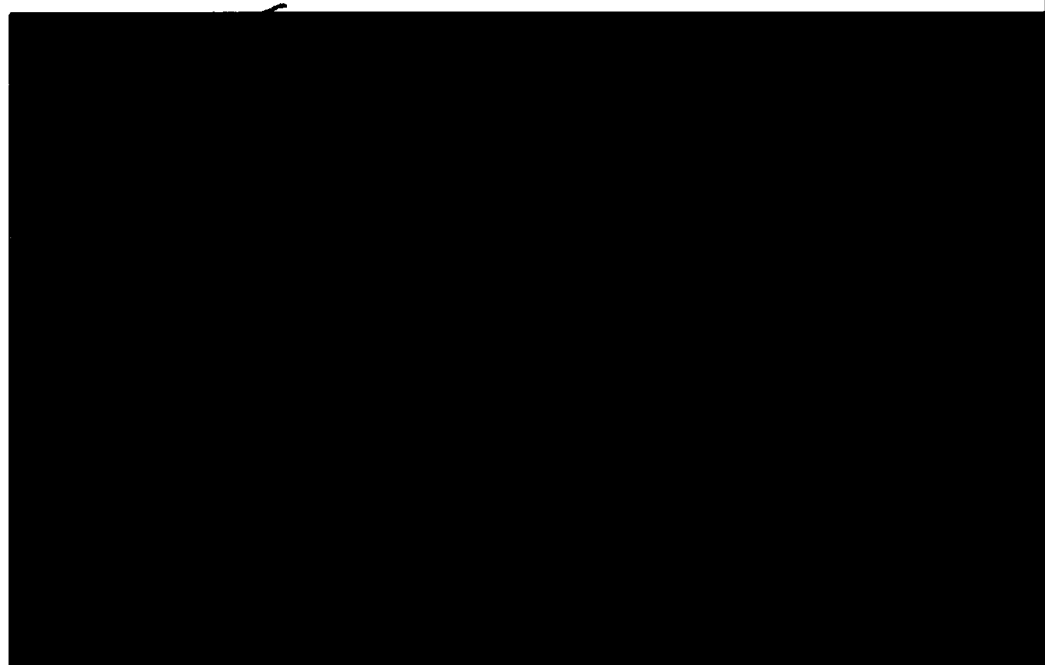
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1 case and the best case with respect to radiation
2 levels in your neighborhood.

3 CHUCK CASTO: That would be fantastic.

4 MARTY VIRGILIO: And that might help you
5 as you think through what might be the trigger points
6 for sheltering and evacuation. So the reactor --

7 CHUCK CASTO: Yeah, and they referred --
8 yeah, okay.



18 MARTY VIRGILIO: Okay, well, listen --

19 CHUCK CASTO: So I'll get Jack foster to

20 --

21 MARTY VIRGILIO: -- for us around that.

22 CHUCK CASTO: Work with the protective
23 measures team and something that we can brief -- you
24 know, I'll set up a briefing with the ambassador and
25 his staff, and we'll walk through.

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1 One of the things I think we've got to do
2 a better job of that I haven't been doing a good job
3 of is, you know, a more formal brief of the
4 ambassador. You know, I had a briefing with him this
5 morning and I was unprepared. I was not prepared
6 well enough in terms of handing him something and
7 briefing him on something. So I got to do a better
8 job on that.

9 MARTY VIRGILIO: Hey, Chuck, we'll take
10 it as an action item to make sure that we share the
11 results of that analysis with you or both analyses
12 with you to show what's the best-case and worst-case
13 dose you might see.

14 CHUCK CASTO: Okay.

15 MARTY VIRGILIO: And then we'll work with
16 you to develop those [REDACTED] 5

17 CHUCK CASTO: That would be, that would
18 be terrific. And, you know, so they're, he's looking
19 for that.

20 And then I think that'll probably be it
21 for tonight. We'll do the General Field briefing and
22 then I'll go over and see the CMO, CEO, and the
23 Minister of Economy and, and you know, I'll download
24 whatever, whatever comes out of that to the ET.

25 MARTY VIRGILIO: Okay.

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1 MALE PARTICIPANT: Chuck?

2 CHUCK CASTO: Hopefully I'm not
3 inundating you with -- and I'll look at the action
4 item list to see if there's something that's not
5 there or something that should be added.

6 MARTY VIRGILIO: Yeah, we would
7 appreciate that so we know how, how best to support
8 you.

9 SCOTT MORRIS: On that point, Chuck,
10 there's an item on the list already, in which you all
11 had requested information on the (audio interference)
12 fuel configuration at the unit. Does that one sound
13 familiar? That --

14 CHUCK CASTO: The spent fuel pump
15 configuration?

16 SCOTT MORRIS: Yeah. We said that to
17 the, our reactor safety team, and they came back and
18 said it wasn't clear what the request was.

19 CHUCK CASTO: It's not real clear to me.
20 It doesn't resonate with me. I don't know who
21 requested it.

22 It's the configuration of the spent fuel
23 pool. Did anybody ask for that?

24 (Off-mic conversation).

25 CHUCK CASTO: I'll have to find out --

1 you know, stand by on that one and I'll talk to --

2 MALE PARTICIPANT: -- you on the phone,
3 she wanted to know if we could reach back to Tepco to
4 understand, before this had occurred, what the
5 configuration of the fuel in the spent fuel pool was,
6 how they had it racked.

7 CHUCK CASTO: Oh, you know, I don't know
8 why that would be important at this point.

9 SCOTT MORRIS: All right, Chuck.

10 CHUCK CASTO: I would put that as a low
11 priority.

12 SCOTT MORRIS: One other thing that I
13 wanted to bring up, and that is that the French have
14 posted on their website, the IRSN website the, this,
15 I guess this expected dose --

16 DAN DORMAN: Chuck, this is Dan.

17 SCOTT MORRIS: Yeah, you, please.

18 DAN DORMAN: It's an evaluation. They
19 got some air samples taken by Japanese officials in
20 Tokyo, and they converted those air samples into an
21 inhalation-only dose to the thyroid and came up in
22 the neighborhood of 10 millirem to the thyroid based
23 on current air sample information that they got from
24 the Japanese. And they have posted that information
25 this morning, this morning, Paris, which is in the

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1 last few hours to the IRSN website.

2 We understand they're not doing any kind
3 of press releases or anything like that to call
4 attention to it, but it, it is out there. S we
5 wanted you to not be shocked if you heard something
6 come up on that.

7 MALE PARTICIPANT: Ten millirem.

8 DAN DORMAN: Ten millirem to the thyroid.

9 BRIAN McDERMOTT: What period of time,
10 Dan? Or is that a rate?

11 DAN DORMAN: That, I think it's a, I
12 think it's a --

13 Do we know what the period of the uptake
14 is that?

15 MALE PARTICIPANT: This, this would be
16 from 24-hour inhalation.

17 DAN DORMAN: Twenty-four, 24-hour
18 inhalation dose.

19 MALE PARTICIPANT: (Off mic).

20 MALE PARTICIPANT: So you're standing
21 there and your inhaling it, basically.

22 MARTY VIRGILIO: So it's, and this is,
23 this was, there was a little bit of a range, as you
24 would expect, on the data, various air samples were
25 collected and this was kind of the bounding of those

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1 collections.

2 So, if you, if you happen to find that
3 little cloud of iodine and stand in it for 24 hours,
4 that was where you'd get. But that, that was a new
5 piece of data for us.

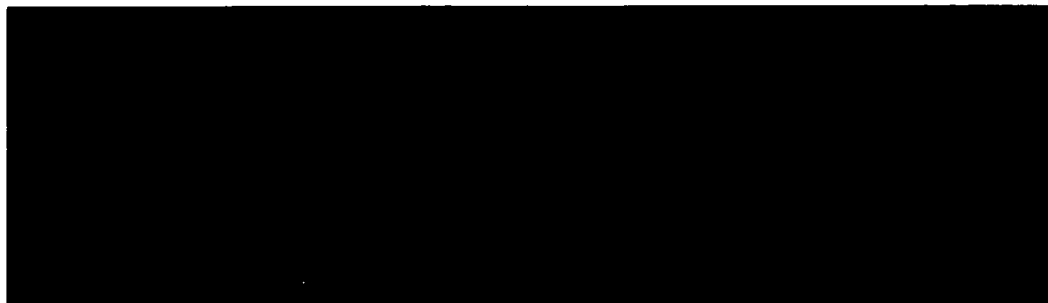
6 CHUCK CASTO: Okay, that's -- yeah.
7 Fortunately, no, fortunately, maybe nobody will pick
8 up on it. I don't know that that's helpful, I mean
9 them posting that.

10 DAN DORMAN: Right. And we --

11 CHUCK CASTO: I don't know why they would
12 do that.

13 DAN DORMAN: And we tried to touch on
14 that But looking at some of the industry trade
15 press, there's, there's a lot of information coming
16 out of France.

17 CHUCK CASTO: Yeah, I don't know why --
18 they're moving their -- they're probably trying to
19 justify all this stuff that they're doing. You know,
20 they did the voluntary evacuation and they're moving
21 their embassy, and, you know.



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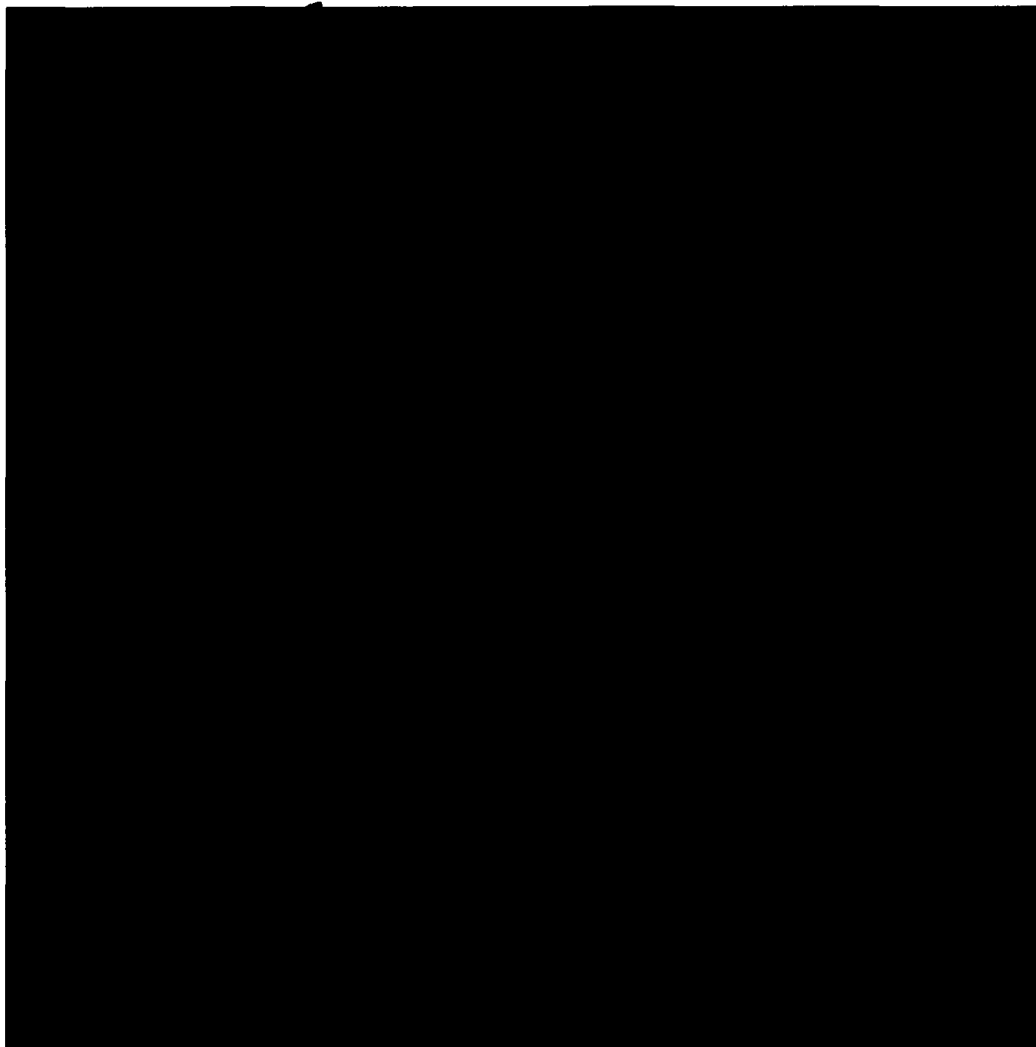
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1 so there's some speculation that they might be trying
2 to make a point. But, whatever. That's, you know,
3 (audio interference). It's not important to me.

4 We're just trying to get water in the
5 pot, so all this other stuff is -- you know, you guys
6 have it to, all the --

7 MARTY VIRGILIO: We just didn't want you
8 to hear it first from the ambassador or the Minister
9 of Defense. That's all.

10 CHUCK CASTO: Yeah, we, you know, get all
11 this distraction with, that people bring in.



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15 MALE PARTICIPANT: (Off mic).

16 CHUCK CASTO: -- Yeah. And we turned the
17 DOE on that, so he handled, Bruce handled that for
18 us, the DOE guy.

19 Anyhow, I digress. I owe you, I owe you
20 this three-page update from the government and then
21 you guys are going to work with us on the protective
22 measure thing. That's what --

23 MARTY VIRGILIO: Yeah.

24 CHUCK CASTO: -- other than the
25 background information, that's all that came out of

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1 this call.

2 SCOTT MORRIS: All right, and you got the
3 matrix of each plant, all six plants, and that's --

4 CHUCK CASTO: Yeah, he'll expect that
5 tomorrow morning. You know, I have to update it
6 tomorrow morning, but there shouldn't be any change.

7 SCOTT MORRIS: No, but I wanted to make
8 sure that your, your request was met. So you got,
9 you supposedly have it then.

10 MALE PARTICIPANT: (Off mic).

11 SCOTT MORRIS: No, it was, it's a table.

12 CHUCK CASTO: It's a table. Yeah, and
13 we're going to have to take the equipment status off
14 the bottom. Did we tell you about the equipment
15 status? Did I tell you about that? You know, we're
16 trying to pull this stuff together in Australia.

17 MALE PARTICIPANT: Yeah.

18 CHUCK CASTO: And, you know, that's been
19 a nightmare. And then finally, they, we worked with
20 the commercial, the people here in the embassy and,
21 to, local into, into the government or into the
22 country here to get the piping systems and all the
23 pipes and connections and things we need, and they
24 called --

25 Hold on a second --

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1 -- they called, they called around for us
2 and ran into a company that has all the supplies that
3 we need for the piping system to put in --

4 Oh, there's Tim. Don't bring that stuff
5 in here, man.

6 -- the piping system. And they said,
7 well, coincidentally we had this same request for the
8 same equipment from the Tokyo Fire Department. So
9 the Tokyo Fire Department today brought all the
10 equipment that we were requesting from Australia.

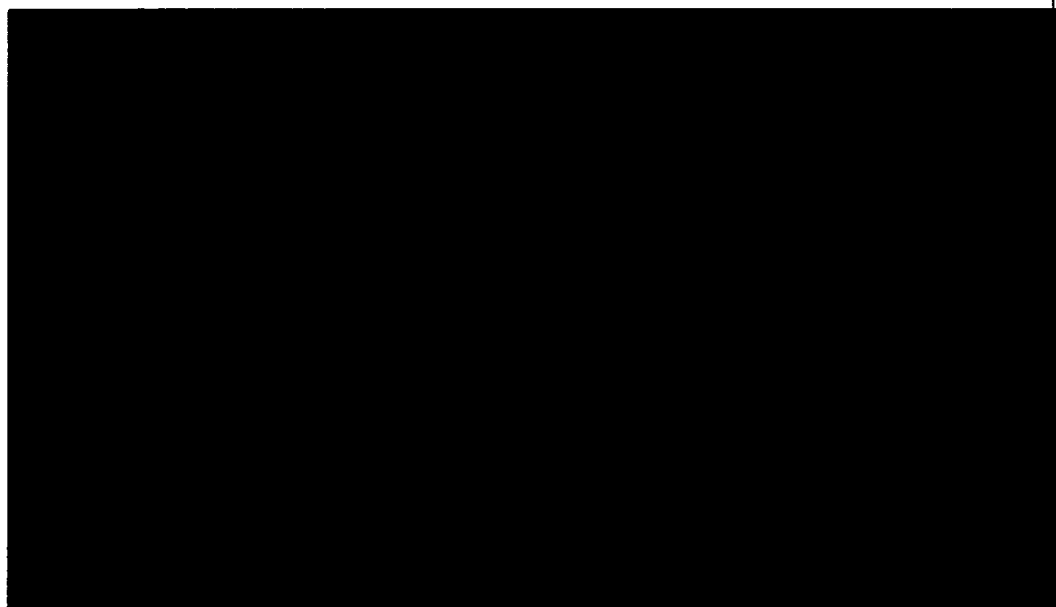
11 That's Level V.

12 MALE PARTICIPANT: INES.

13 CHUCK CASTO: Oh, okay.

14 INES's scale went to Level V. Did you
15 see that?

16 MARTY VIRGILIO: Yeah, we saw that in the
17 news.



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11 MARTY VIRGILIO: Yes.

12 CHUCK CASTO: So, okay, unless there's
13 anything else, we'll, we'll go to our meetings and
14 prepare for more meetings.

15 SCOTT MORRIS: All right.

16 MARTY VIRGILIO: Okay.

17 CHUCK CASTO: Meetings-R-Us.

18 MARTY VIRGILIO: It doesn't sound like a
19 lot of fun to me.

20 SCOTT MORRIS: Thanks, Chuck.

21 MARTY VIRGILIO: Thanks. Get some sleep,
22 buddy.

23 CHUCK CASTO: Okay, thank you.
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(CONFERENCE CALL INITIATED.)

01:43:32/01:44:33

SCOTT MORRIS: Hey, Bill, it's just Scott Morris and Marty in here now. Roy and Jim Wiggins are in a turnover in the little anteroom. If you want them, I can go get them.

BILL BORCHARDT: No. No, I'm just calling in. In, in fact, if Marty has a minute, if he can just call me on my, on the office phone.

MARTY VIRGILIO: Okay.

BILL BORCHARDT: Thirteen hundred.

MARTY VIRGILIO: All right. I'll do that in just a second.

Did you see the note I sent you?

BILL BORCHARDT: I, I think I've seen all of them. The one about the close-hold information?

MARTY VIRGILIO: Yeah, yeah. I, I think the Chairman has got a meeting with the Japanese ambassador today and so I thought he might need to understand what we're getting from the site.

BILL BORCHARDT: Yeah.

MARTY VIRGILIO: I'll give you a call in a few minutes.

BILL BORCHARDT: Okay. Yeah, I'm in on that meeting with the ambassador too. That's at,

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1 that's at four o'clock this afternoon.

2 MARTY VIRGILIO: Okay. I hope that
3 helps.

4 BILL BORCHARDT: Yep, thanks.

5 MARTY VIRGILIO: Okay. I'll give you
6 call in a minute.

7 BILL BORCHARDT: Okay.
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(CONFERENCE CALL INITIATED.)

01:44:45/02:04:51

(Standby until 1:46:08)

BRIAN McDERMOTT: Okay, good morning, everyone. This is Brian McDermott. We have Jim Wiggins and Charlie Miller here at the Headquarters Operations Center, Executive Team room. We're going to give you a quick update this morning.

In terms of the plant conditions, to start off with, Reactors 1, 2, and 3, we understand the situation is essentially the same -- no significant change; that folks are trying to put in the seawater into the cores. We've not had any change in that reported.

We continue to put focus on spent fuel pools. The report we're getting is that Unit 3 is the focus currently for spent fuel pools. They did make some attempts to drop water from helicopters yesterday. That, at least from the video footage on the television, appeared to have limited effectiveness.

We did have some new reports about better success from some, some of the water cannons from fire department-type trucks. However, we've got no specific data to indicate how effective that has

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1 been.

2 So we'll kind of give you that overall
3 picture we've got.

4 Unit 4 spent fuel pool that we've been
5 worried about for a while, the status of any cooling
6 in that is unknown.

7 Unit 3 -- again, fire trucks are focused
8 on that, and that's about all we know about it.

9 And then we do have some, some indication
10 that there is heat up on the other pools. But to
11 what extent, we can't tell.

12 One bit of information we did get
13 relative to the pools and the zirc, potential for
14 zirc fires or zirc reactions, is that we had
15 questions from the team in country about, you know,
16 number one, were there different recommendations on,
17 on how you would attempt to mitigate a, a zirc fire
18 by just cooling the pool? And how would you know
19 when to apply, you know, which method?

20 Over the night, one came back, working
21 with our experts that have worked on spent fuel pool
22 issues, the answer back is basically that if you
23 actually had a zirc fire, you would know it. It's,
24 you're not going to mistake the steaming that we've
25 been seeing here in different images, on the TV and

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1 so forth, you're, you're not going to mistake a zirc
2 fire and steaming. It would be clear there's a
3 difference.

4 The other bit of information on that is
5 the best recommendation that experts came up with
6 relative to how to mitigate the problem is, in any
7 case, just add water and more of it.

8 So that's about all the change relative
9 to our understanding of the conditions.

10 We're continuing to interface with the
11 team on the ground. And with that, I'll turn it over
12 to Charlie.

13 CHARLIE MILLER: Good morning. Wind
14 directions are still going out to sea, going east.
15 The, the priorities for the Protective Measures Team
16 today are twofold. First, we're running realistic
17 cases to try to attempt to correlate the data from
18 the aerial monitoring that we receive periodically,
19 of course, with our models to the extent that we can
20 and also any sparse information we get through
21 Japanese data.

22 In addition, we're, we're working in
23 support of the Department of Energy [REDACTED] 5
24 [REDACTED] to run a worst-case scenario they
25 can be put on the shelf. The NRC is supporting DOE

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1 for providing input parameters for what that will be.

2 The Department of Energy has a responsibility for
3 running the codes.

4 That said, we are still being looked at
5 to look in country with regard to providing advice to
6 the Embassy with regard to the conditions and whether
7 or not there would be any future potential for
8 advising the ambassador with regard to any additional
9 protective actions recommendations.

10 So those are focuses at this point today
11 for the PST.

12 JIM WIGGINS: Okay, this is Jim Wiggins.
13 Just some general information. You may have heard
14 before that Chuck Casto and his team have been
15 working over in Japan with the ambassador and have
16 connected up with Bechtel operations, and they have,
17 Bechtel has come up with the design of a temporary
18 rig for pumping water from the ocean into the four
19 units. So there's trains of this pumping scheme.

20 Bechtel's also been able to locate the
21 components for it, and the next step is once USAID
22 would see clear to authorize the expenditures to get
23 this stuff boxed up and sent in country from where
24 Bechtel has found it -- you know, the combination, as
25 I understand it, is the US and Australia -- but

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1 moving it up front there.

2 We also heard from Chuck that, that there
3 is some signs that the Japanese may be moving toward
4 doing the same type thing. But those are, but I
5 guess I would classify that as preliminary or
6 unreliable information. It's sort of a presumption
7 based on the fact that when people went shopping for
8 the equipment in country in Japan, they became aware
9 of the fact that Tokyo, the Tokyo Fire Department had
10 already made arrangements to purchase some of this
11 stuff up. So there may be something going on
12 indigenously also.

13 Chuck reports that it's becoming more
14 clear that the Ministry of Defense, the Japanese
15 self-defense force, is making a more controlling hand
16 in the response rather, and lieu of Tepco. That
17 probably would be viewed, I think Chuck views that as
18 a positive.

19 Another administrative matter we're
20 working on is we, we know that Chuck's group can't go
21 on forever. We need to start work on replacements
22 that we need to send over. So we talked to him about
23 skill needs, and we're in the process of identifying
24 who could meet those skills, who has the opportunity
25 or the wherewithal to get over there. We're even

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1 looking from the top down starting to see if there's
2 people who could go in and pinch-hit for Chuck or be
3 a deputy to him in his current role. Right now he's
4 basically a 24/7 individual. He's getting very
5 little sleep, and he's holding up, but not for long.

6 That's it. Any questions?

7 MIKE FRANOVICH: Jim, this is Mike
8 Franovich. Can we kind of bend our questions -- you
9 covered three specific areas, the understanding of
10 the plant status, the PMT, and in-country activities.

11 And I just want to start in the beginning with the
12 plant status to try to see if we have a common
13 understanding of where we think the plants are versus
14 what we're hearing from the Japanese.

15 The, Unit 4 spent fuel pool, we're now
16 saying 'condition not known.' We were allowed to
17 believe for days that the pool is dry and we hear
18 reports that there's been visual checks that there's
19 water over the fuel. What, what is our take on that,
20 those reports that we're hearing from Tepco and
21 those, and NISA?

22 BRIAN McDERMOTT: Yeah, this is Brian
23 McDermott. I believe our best information is that
24 the pools are dry. Back a few days ago, the Tepco
25 folks were trying to point to some photographs and

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1 the glint the photographs and some video they had --
2 I think it's probably some of the footage we're
3 seeing on TV -- that that was an indication that
4 there was water in the pool. However, the team on
5 the ground, I guess, got to view that video and they,
6 they didn't agree.

7 As time has gone on, there's been nothing
8 done to put water in that pool, and as far as I know,
9 you know, there, there's no more steaming visible
10 from the, from the Number 4 spent fuel pool. So that
11 leads the team to continue to believe that the pool
12 is dry.

13 MIKE FRANOVICH: That it's dry even
14 though it's steaming?

15 BRIAN McDERMOTT: There's no steam
16 evident from the Number 4 pool.

17 MIKE FRANOVICH: Oh, no steam.

18 BRIAN McDERMOTT: There has not been for
19 some period of time.

20 MIKE FRANOVICH: Okay. I'm interested in
21 that. And the reason I'm asking this is the
22 Executive Team has a set of priorities based on plant
23 conditions, station conditions. And I'm trying to
24 compare the two, what I'm hearing about what the
25 priorities are for the way they're, the folks on the

1 ground are tackling things.

2 Can you hold on for one second. Let me
3 close the door. Sorry about that. There's an echo
4 on the line. I'm not sure where it's coming from.

5 I, I guess what I, what we're hearing is
6 -- what is ET's understanding of the strategy or
7 priorities that Tepco is applying today, you know,
8 across the station in terms of which units? Because
9 we've been hearing Unit 1, now they're losing water
10 in the pool, and that's becoming a high priority,
11 much higher than Unit 4.

12 JIM WIGGINS: Well, our priority is
13 cooling Units 3 and 4.

14 MIKE FRANOVICH: Three and four.

15 BRIAN McDERMOTT: Mike, they're all a
16 problem.

17 MIKE FRANOVICH: No. I realize that, but

18 --

19 BRIAN McDERMOTT: And we don't have any
20 confirmation. I mean, there are some media reports
21 of Tepco trying to spray water into the Unit 3 spent
22 fuel pool. However, we've not seen very much on
23 that. We're getting next to no information out of
24 Tepco other than the press releases that, that
25 everybody can pull off the web.

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1 MIKE FRANOVICH: Okay.

2 SCOTT MORRIS: So, in terms of the
3 condition of the pool, our indications were that,
4 that 4, you know, may already done, but we're not
5 sure. It may be cooling itself. It may be blowing
6 apart.

7 MIKE FRANOVICH: Okay.

8 BRIAN McDERMOTT: You know, the, the dose
9 rates coming off the stuff in the yard are rather
10 high.

11 MIKE FRANOVICH: Yeah.

12 BRIAN McDERMOTT: But that, that's what
13 we know.

14 MIKE FRANOVICH: Okay. If --

15 BRIAN McDERMOTT: Other than the spraying
16 effort that you've seen on the TV, we have no other
17 information about any efforts to put water in the
18 pool.

19 MIKE FRANOVICH: Oh, okay.

20 BRIAN McDERMOTT: And that is of concern.

21 MIKE FRANOVICH: I, I thought at the
22 first conference --

23 BRIAN McDERMOTT: I (inaudible) get
24 information about the, the temperature of those pools
25 if you will, of how hot they are relative to the

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1 things around them. It's somewhat obscured. We did
2 hear, I want to say it was yesterday or the day
3 before, that the roof of the reactor buildings here
4 in, in Japan are not only the corrugated metal but
5 they also have a layer of concrete, and so it is
6 thought that on the Unit 1 pool, that that concrete
7 roof had, had dropped down onto the refueling floor
8 deck.

9 So it may be even more of a challenge to
10 get water in that pool because you put a cap over it
11 essentially when if thing drops down.

12 MIKE FRANOVICH: Yeah, because I've been
13 hearing (inaudible) on Unit 1 and that their
14 priorities for Tepco based on their press conference
15 last evening with the Unit 3 was number one, the
16 spent fuel pool. Unit 1 was going to be a priority
17 for them and that they were going to use the Tokyo
18 Fire Department to do the water cannon approach on
19 that unit, while SDF was going to do the water cannon
20 approach on Unit 3, and that they couldn't do Unit 3
21 and 4 together because there's some physical
22 impediment to allowing them to work on both at the
23 same time.

24 So when I hear that, I'm like I'm looking
25 at the results here, and that's why I'm asking

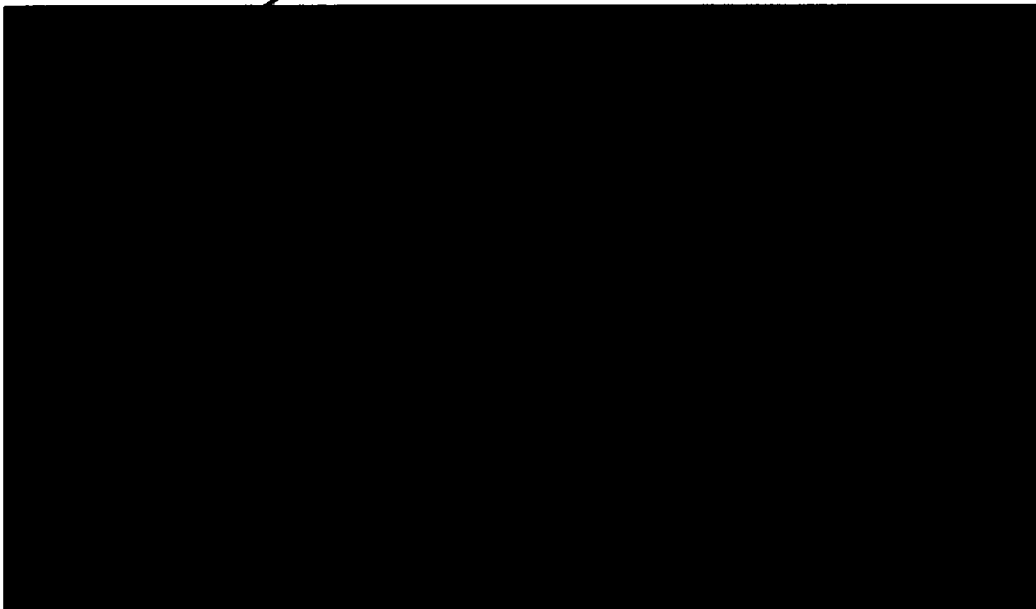
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1 questions. I'm trying to understand, you know, are
2 we using that kind of information that's coming in
3 from the actual conferences or are we relying on a
4 paper trail?

5 BRIAN McDERMOTT: We're, we're hearing
6 media reports as you are, and we're assessing other
7 information as we get it, Mike.

8 MIKE FRANOVICH: Okay. I mean, it's not
9 just --



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18 So we're, we're taking our lead off of
19 what were getting from the team out there. So what
20 they're saying on the press, I don't know that we
21 know that exactly.

22 MIKE FRANOVICH: Okay. Let me turn to a
23 dry pool that was mentioned.

24 Brian, you mentioned there was some
25 assessments about zinc fire and things like that.

1 Have, has our group or General Electric done any kind
2 of assessment on Unit 4 pool with the -- I think they
3 have like 1,200 bundles in the pool. If it's dry,
4 would we expect to see a fire in that configuration
5 with that kind of load?

6 BRIAN McDERMOTT: Yeah, we're getting,
7 it's being worked right now. The research is looking
8 at that. It's trying to confirm also that the, the
9 way we want to fight this is the right way also.
10 They're working with their contractors to, to
11 understand more about the zirconium fires. They
12 already have that question on the table and are
13 pursuing it.

14 MIKE FRANOVICH: Feedback from the
15 in-country team about the unit status and approach
16 here, have they gotten any information about the
17 power, off-site power supply?

18 BRIAN McDERMOTT: We've heard
19 preliminarily or -- I wouldn't take this to the bank
20 -- but progress is being made. It may be here on
21 Saturday, and I don't know whose time.

22 MALE PARTICIPANT: That's Japan time.

23 BRIAN McDERMOTT: We assume it's Japan
24 time.

25 MIKE FRANOVICH: Okay.

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1 BRIAN McDERMOTT: But once you get power
2 to the site, there's no, we have no current level of
3 confidence that they'll be able to do anything with
4 it. They don't have an assessment of the plant
5 conditions, what the distribution system internal to
6 the plant looks like, how it's going to affect where
7 the rad levels would be that they would need to get
8 through to access the points where they could tie in,
9 et cetera, et cetera.

10 MIKE FRANOVICH: Okay.

11 BRIAN McDERMOTT: It may not be the
12 panacea that one might hope.

13 MIKE FRANOVICH: I'll, I'll just turn it
14 over to anybody who has questions on plant status.

15 BILL ORDERS: This is Bill Orders. I
16 have one question. Have we heard anything about that
17 common spent fuel pools? Are we worried at all about
18 that one?

19 BRIAN McDERMOTT: We're cognizant of the
20 fact that there is a common wet pool behind Unit 4
21 and the status that we saw this morning from the
22 company indicates that they've done inspections of
23 that and they're, they're paying attention to it. Of
24 all of them, that's the easiest to take care of. So
25 it didn't, it doesn't sound like that one was going

1 to be a problem.

2 MALE PARTICIPANT: That's a below grade.

3 BRIAN McDERMOTT: It's below grade. It's
4 all also probably cooler fuel, but we need to --

5 JIM WIGGINS: Yeah, it's -- anything
6 else? We have another commitment we have to move to.

7 Any other questions?

8 (No response.)

9 MALE PARTICIPANT: The PMT --

10 SCOTT MORRIS: We'll try to keep you
11 apprised after the calls.

12 MIKE FRANOVICH: Hold on. Not yet. Not
13 yet. The PMT -- are you saying you need to go now,
14 there's something going on? I didn't quite
15 understand what you're saying, Jim.

16 CHARLIE MILLER: Mike, you're breaking up
17 on us.

18 MIKE FRANOVICH: I'm asking --

19 JIM WIGGINS: Ask your question.

20 MIKE FRANOVICH: -- the PMT -- I'm going
21 to talk about PMT for a moment. Your NRR survey
22 results, if we have a more current best estimate
23 based on those surveys, are you reconsidering issuing
24 a press release on what those actual resorts are to
25 share that with the public?

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1 MALE PARTICIPANT: We're not, we're not
2 there yet.

3 BRIAN McDERMOTT: We heard about every
4 other word from you.

5 JIM WIGGINS: He said, he said, if we
6 have a re-reckoning of the doses and things like
7 that, might we re-, update the press release to
8 indicate so. So that would certainly be a decision
9 we'd have to make when we got that information, but
10 we're not there yet.

11 BRIAN McDERMOTT: We're continuing to
12 monitor in country.

13 JIM WIGGINS: Yes, we're doing the doses
14 in country. We're working with DOE, who's doing some
15 of out and the US stuff in the territories. That's
16 current, folks, the US and the territories.

17 MIKE FRANOVICH: Okay. Okay, I'll leave
18 it at that for now.

19 JIM WIGGINS: Thank you.

20 Anything else?

21 MALE PARTICIPANT: Yeah, when the next
22 call?

23 BRIAN McDERMOTT: It should be eight
24 o'clock tomorrow night unless something changes.

25 JIM WIGGINS: Tonight -- or, sorry --

1 it's during the day now.

2 It's 1800 today.

3 MALE PARTICIPANT: All right. Thanks.
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1 (CONFERENCE CALL INITIATED.)

2 02:04:52/02:05:33

3 BRIAN McDERMOTT: Operations officer, can
4 we separate the bridges and reconnect the second
5 bridge?

6 BRIAN McDERMOTT: Operations officer?

7 (No response.)

8 BRIAN McDERMOTT: Do you want to get --

9 JIM WIGGINS: We had a note. The
10 Chairman wants to talk to ET and Chuck now.

11 BRIAN McDERMOTT: Oh.

12 JIM WIGGINS: That's why we're trying to
13 get these guys to get the hell off without telling
14 them that we have to go talk to the Chairman.

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1 (CONFERENCE CALL INITIATED.)

2 02:05:37/02:27:12

3 (Standby until 2:07:06)

4 (Extraneous content omitted.)

5 JIM WIGGINS: Well, there was some
6 confusion about what the target was. It changed to
7 nine o'clock while we were sitting in the SIVITS.

8 MIKE WEBER: Yeah.

9 JIM WIGGINS: And we got out of there at
10 8:35, so we had 25 minutes for Eric to finish.

11 MIKE WEBER: But Eric's trying to line
12 people up, check passport status, you know.

13 JIM WIGGINS: Yeah.

14 MIKE WEBER: And, you know, Nader got
15 additional insights on attributes that we're looking
16 for, for the next team. Not for, not for Chuck --

17 CHARLIE MILLER: From Chuck.

18 MIKE WEBER: -- from Chuck. Right.

19 JIM WIGGINS: Yeah.

20 BRIAN McDERMOTT: I just want to make
21 sure the, you know what I know.

22 (Extraneous content omitted.)

23 CHARLIE MILLER: Yeah. I thought what we
24 would do is we would feed the answer back to zero.
25 We'd replace the top and -- you know, and then it

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1 doesn't matter who's the structural engineer. It
2 just matters that we have one.

3 (Audio interference.)

4 MIKE WEBER: Some of those of those skill
5 sets, I don't know that we have, [REDACTED] 5
6 [REDACTED]

7 JIM WIGGINS: Yeah.

8 MIKE WEBER: I think I have that.

9 JIM WIGGINS: It depends on what. Pardon
10 me.

11 MIKE WEBER: They have that in country
12 already.

13 JIM WIGGINS: And the (audio
14 interference).

15 MIKE WEBER: You got it.

16 JIM WIGGINS: [REDACTED] If you
17 want -- (audio interference). We could probably put
18 our hands on people who know the signatures (audio
19 interference). That's a lot taller than -- 5

20 MIKE WEBER: Yeah. Yeah.

21 JIM WIGGINS: It may not be us. It may
22 be some of the NTE types so out in the industry.

23 MIKE WEBER: Yeah.

24 JIM WIGGINS: So it depends on that
25 (inaudible).

1 MIKE WEBER: Absolutely. That's right.

2 JOHN MONNINGER: Hey, Jim, Mike, this is
3 John Monninger.

4 JIM WIGGINS: Yeah, the Chairman wants to
5 talk to Chuck and us, and you're Chuck.

6 JOHN MONNINGER: Okay. All right.
7 Chuck's on his way to (audio interference).

8 JIM WIGGINS: He's where?

9 JOHN MONNINGER: I'm sorry.

10 JIM WIGGINS: Yeah, Chuck, we thought,
11 was going to a meeting. Right?

12 JOHN MONNINGER: Yeah. He's in a
13 high-level meeting right down at a place called Kanti
14 (phon) so, whether the reception's better what, I
15 don't know.

16 JIM WIGGINS: He's probably engaged in
17 (audio interference).

18 MIKE WEBER: How are you doing, John?

19 JOHN MONNINGER: We're hanging in here.
20 Hanging in here.

21 MIKE WEBER: Are you getting some rest?

22 JOHN MONNINGER: Yeah. Yeah.

23 MIKE WEBER: That doesn't sound like a
24 yes.

25 JOHN MONNINGER: It's a yes. That's

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1 quite a few activities going on and quite a lot of
2 coordination, meetings, so everyone's hanging in
3 there pretty good.

4 MIKE WEBER: You're still, you're staying
5 put; right? You're not deploying out to some other
6 location, or are you still working on that?

7 JOHN MONNINGER: No. We are staying put
8 as far as we know. We did get information earlier
9 today from Tepco with what we believe was an
10 invitation to have us inserted into their EOS. We
11 pursued that lead and what that lead turned into was
12 me being at Tepco's corporate headquarters here for,
13 actually it was going to be a meeting with the
14 president and CEO of Tepco. But we gave them a time
15 and they weren't able to support that time. So it's
16 looking like that meeting will be tomorrow, but it
17 wasn't a meeting at their emergency facilities.

18 MIKE WEBER: Oh, okay. So they're not --
19 the idea that we were going to put a person in their
20 EOC or EOS --

21 JOHN MONNINGER: Right.

22 MIKE WEBER: -- is no longer an option.
23 Okay.

24 JOHN MONNINGER: We would, we would like
25 it if that comes along. Maybe during this meeting

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1 with their leadership, they will say, you know, as a
2 result of this, we're going to do it. And we
3 thought, in responding to their request, we thought
4 their request was to head out to the facility, and we
5 were ready. But it ended up being another meeting
6 which they couldn't support.

7 MIKE WEBER: And do they have a main
8 facility that we're aware of, its, its location?

9 JOHN MONNINGER: We do not know where the
10 location is, no.

11 JIM WIGGINS: An undisclosed location.

12 MIKE WEBER: Well, apparently they have
13 one that was damaged in the quake. That was part of
14 what we heard.

15 JOHN MONNINGER: Right.

16 MIKE WEBER: And they had some alternate
17 location they were using.

18 JOHN MONNINGER: Right.

19 How are things back there?

20 MIKE WEBER: Okay. We're working on
21 getting you some, some help from Bechtel.

22 JOHN MONNINGER: Okay.

23 BRIAN McDERMOTT: Exposed fuel rods --
24 any significant update in terms of the plant status?

25 JOHN MONNINGER: Not in terms of the

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1 plant status. They are proceeding to use, you know,
2 fire, the fire trucks, et cetera, run them in, run
3 them out, et cetera.

4 Most recently, though, we've heard that,
5 through the Japanese Fire Department, et cetera, they
6 are currently also trying to pursue some type of
7 pumping system, so we don't really have details on
8 that, but --

9 HOO: Chairman Jaczko is coming up to the
10 ET conference.

11 Chairman Jaczko, are you there, sir?

12 CHAIRMAN JACZKO: Yes.

13 JIM WIGGINS: Hi, Mr. Chairman. This is
14 Jim Wiggins. Chuck's in a meeting and John
15 Monninger's on the line.

16 CHAIRMAN JACZKO: Okay. Great.

17 Hey, John, how are you?

18 JOHN MONNINGER: Hello, Mr. Chairman.

19 Good, good. Thank you, sir.

20 CHAIRMAN JACZKO: How are you holding up?

21 JOHN MONNINGER: It's been a busy week.

22 The team is, you know, given the circumstances, the
23 team is engaged. But, you know, they're quite, quite
24 busy.

25 CHAIRMAN JACZKO: Can I, can I -- tell me

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1 if this is something that's going to be okay with
2 you. I just spoke with Admiral Donald. He said that
3 he thought he could help with some logistical support
4 services either through US Forces Japan or Pacific
5 Command or whichever. I don't know quite know the
6 organizational structure over there. But I told him
7 to go ahead and, and start doing that if he could.

8 Is that going to be okay with you? If I
9 need to turn it off, I'll call him back and turn it
10 off.

11 JOHN MONNINGER: To tell you the truth, I
12 think the biggest weakness of -- if there is a
13 weakness -- but the biggest weakness on our team
14 would be the notion of logistical support.

15 CHAIRMAN JACZKO: Okay. So --

16 JOHN MONNINGER: So we're --

17 CHAIRMAN JACZKO: I'm sorry.

18 JOHN MONNINGER: You know, we, we are
19 very good at our analysis of the reactor and
20 recommendations, et cetera but, you know, the
21 knowledge of these various organizations and pulling
22 them together, we're really sort of the focal point
23 now, and there's multiple, multiple organizations
24 interacting with us.

25 CHAIRMAN JACZKO: Got it.

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1 JOHN MONNINGER: So the logistical
2 support isn't, you know, great.

3 CHAIRMAN JACZKO: Okay. It's in progress
4 to get you some help in that regard.

5 JOHN MONNINGER: Okay.

6 CHAIRMAN JACZKO: So they should be
7 coming. I don't know how long, but the way those
8 things move, I, I wouldn't be surprised if it wasn't
9 fairly soon. Who would you want me to send them to?
10 Would I send them to you?

11 JOHN MONNINGER: Send them to me or to
12 Chuck.

13 CHAIRMAN JACZKO: Okay. Good. I'll
14 double back with Admiral Donald and express to him a
15 sense of urgency with that.

16 JOHN MONNINGER: Right.

17 CHAIRMAN JACZKO: Is that okay?

18 JOHN MONNINGER: Yes.

19 CHAIRMAN JACZKO: Okay.

20 JOHN MONNINGER: Now, one of the things
21 Chuck had mentioned to me, you guys were thinking
22 about a shift change, a shift change --

23 CHAIRMAN JACZKO: Um-hmm.

24 JOHN MONNINGER: -- in a, in an earlier
25 time frame.

1 CHAIRMAN JACZKO: The, how, how you all
2 doing? Do you need more help?

3 JOHN MONNINGER: I, I think everyone is
4 very, very interested in the project. Everyone is
5 very busy, I think, at the same time, I think, not
6 knowing which, what would come out of the logistical
7 support services. You know, things could ease up
8 considerably or maybe not.

9 CHAIRMAN JACZKO: Okay.

10 JOHN MONNINGER: If there was a
11 like-for-like, one-for-one replacement, I'm not quite
12 sure any other team would, would do much better or
13 much worse.

14 CHAIRMAN JACZKO: Got it.

15 JOHN MONNINGER: There's, you know,
16 during -- we're actually running the heaviest during
17 the day, and it's, you know, probably eight, nine
18 people pretty much full-time during the day.

19 CHAIRMAN JACZKO: Are you getting rest?

20 JOHN MONNINGER: We, the team is getting
21 rest, but I would say the majority of the team is
22 getting rest probably about six hours a day with
23 probably, you know, 15 to 18 hours. So maybe getting
24 eight, but the other 16 or so, I heard they're
25 probably engaged.

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1 CHAIRMAN JACZKO: Okay. Okay.

2 JOHN MONNINGER: Yeah.

3 CHAIRMAN JACZKO: Well, you just tell me
4 what you need and we'll get it for you.

5 JOHN MONNINGER: Okay.

6 CHAIRMAN JACZKO: If I send you more
7 people, is that going to be a burden to you right
8 now?

9 JOHN MONNINGER: I think what I'd like to
10 do is chat with Chuck about it if, if possible.

11 CHAIRMAN JACZKO: Okay.

12 JOHN MONNINGER: And we would -- so we'd
13 get a proposal back or chat with Josh or chat with
14 the ET or get back to you.

15 CHAIRMAN JACZKO: Yeah, go --

16 BRIAN McDERMOTT: This is Brian
17 McDermott, John. We did get feedback from Chuck on
18 composition of the team and staffing numbers, so
19 that's what we're working on back here, to arrange
20 for people to support that.

21 CHAIRMAN JACZKO: Okay. Good, Mike.

22 MIKE WEBER: Yes.

23 CHAIRMAN JACZKO: So you have
24 confirmation from Chuck about a way to supplement the
25 team?

1 MIKE WEBER: Yes, and we know the skills,
2 and we're off trying to connect with inaudible
3 skills.

4 CHAIRMAN JACZKO: And that is, does that
5 duplicate the efforts on logistical support that
6 Admiral Donald discussed with me?

7 MIKE WEBER: Not, not the way I would
8 understand logistics, Chairman.

9 CHAIRMAN JACZKO: Okay.

10 MIKE WEBER: You know, the -- I think
11 when the military talks about logistics, it's
12 movement of manpower and materials.

13 CHAIRMAN JACZKO: Yeah. Yeah.

14 MIKE WEBER: So if there's items, things,
15 you know, widgets that the team uses, and more
16 importantly, transport -- you might be able to hook
17 helicopters up if you want to get up into the area or
18 something like that.

19 CHAIRMAN JACZKO: Yes.

20 MIKE WEBER: You might be able to swing
21 that. If he's talking about those large commands,
22 they've got ground and air assets, you know, the,
23 like if Chuck or a member of the team would want to
24 do an actual flyover on the site or fly around to get
25 some, you know, real eyeballs as opposed to what

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1 we've seen in imagery. That's probably something
2 that can work.

3 CHAIRMAN JACZKO: Got it.

4 Hey, John, can you make sure to
5 communicate with the ambassador and his team that,
6 that Admiral Donald and I discussed this and that I,
7 I was comfortable with him working through his
8 channels to help get that logistical support to your
9 team?

10 JOHN MONNINGER: Okay.

11 CHAIRMAN JACZKO: And if you could just
12 relay that to the ambassador, if the ambassador has
13 concerns, if he would just let me know, and I'd be
14 happy to discuss it with him.

15 JOHN MONNINGER: Okay. Yes, I will
16 definitely do, do so.

17 Two cents on whatever the team is, or the
18 composition.

19 CHAIRMAN JACZKO: Yes.

20 JOHN MONNINGER: You need people with a
21 background in reactors, et cetera, but what you
22 really need are individuals that are politically
23 astute, you know, at high levels, et cetera. These
24 meetings that we're going to are with, you know,
25 predominately with the highest levels of the Japanese

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1 government.

2 CHAIRMAN JACZKO: Let me ask you this.
3 Let me ask you this, John. Are you, are you not
4 getting, are you sensing that they're not listening
5 to you because they perceive you not to be
6 sufficiently high-ranking?

7 JOHN MONNINGER: No, not at all.

8 CHAIRMAN JACZKO: Okay. Good.

9 JOHN MONNINGER: As a matter -- yeah, but
10 I, I think in terms of some, some of our individuals
11 maybe want to go in the technical details versus, you
12 know, the big picture or whatever..

13 CHAIRMAN JACZKO: Got it.

14 JOHN MONNINGER: We need someone who can
15 really interface and --

16 CHAIRMAN JACZKO: Got it.

17 JOHN MONNINGER: -- knows organizations,
18 protocol, that kind of stuff.

19 CHAIRMAN JACZKO: Okay. Well --

20 JOHN MONNINGER: That's my two cents.

21 CHAIRMAN JACZKO: Good. No, that's good.
22 That's helpful.

23 Mike, do you have that? Are you thinking
24 about that in terms of how you're building the team?

25 MIKE WEBER: Absolutely.

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1 JIM WIGGINS: Yes we are.

2 CHAIRMAN JACZKO: Good. Excellent.

3 So, you can take that back, John. We've
4 got that. We're working on it.

5 JOHN MONNINGER: Okay.

6 CHAIRMAN JACZKO: Anything else that,
7 that you need from me right now?

8 JOHN MONNINGER: I don't think so. You
9 know, we've been getting phenomenal support from the
10 embassy. We've had great interactions with the
11 government of Japan and, you know, anything we ask
12 for is, you know, comes right through. The support
13 we get from the ET, the PMT headquarters, everyone
14 has been phenomenal.

15 CHAIRMAN JACZKO: Good. Hey, John, do
16 you have or could you maybe get a message to the
17 ambassador? And again, I don't want to take you away
18 from your, I don't want overburden you with new work.

19 But if you have recommendations of anyone I should
20 be calling just to relay the importance of the
21 situation, the urgency of the situation, and the
22 importance of working with our team, if there's
23 someone you think I should do that with, let me know.

24 And if you want to consult with the ambassador as
25 well, I'd be happy to make those calls.

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1 JOHN MONNINGER: Okay. Definitely, we
2 will, we will do that.

3 CHAIRMAN JACZKO: Okay.

4 JOHN MONNINGER: I'll get a message on to
5 the ambassador also.

6 CHAIRMAN JACZKO: Now, if, if the folks,
7 the folks that Admiral Donald is rounding up, if they
8 are able to get to you during the night hours, would
9 you want them, or would you want them first thing in
10 the morning?

11 JOHN MONNINGER: Probably more first
12 thing in the morning.

13 CHAIRMAN JACZKO: Okay. Good.

14 JOHN MONNINGER: Chuck, you know, he's
15 been going, you know, a couple more hours than I have
16 been going.

17 CHAIRMAN JACZKO: Okay.

18 JOHN MONNINGER: So I think we really
19 want to strategize with them separately.

20 CHAIRMAN JACZKO: Okay. Good.

21 JOHN MONNINGER: Yeah.

22 CHAIRMAN JACZKO: Good. All right, well,
23 John, keep up the good work. You guys are doing a
24 phenomenal job. I will tell you the work you're
25 doing is appreciated at the highest levels of

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1 government and, and people are ready to do whatever
2 they can to help you. And you tell us what you need.
3 Okay?

4 JOHN MONNINGER: All right. Sounds
5 great. Thank you very much, Mr. Chairman.

6 CHAIRMAN JACZKO: Thank you. Goodbye.

7 MIKE WEBER: John?

8 JOHN MONNINGER: Yeah?

9 MIKE WEBER: Just, we've got one question
10 coming up from the team. Apparently, Lockheed is
11 relaying to us that they have located a
12 remote-controlled helicopter that can lift 5,000
13 pounds. Is this something that the team --

14 JOHN MONNINGER: That is phenomenal.

15 BRIAN McDERMOTT: Did the team request
16 that?

17 JOHN MONNINGER: The team -- okay,
18 there's two things. There was a request for robots,
19 unmanned stuff, but the notion was much smaller in
20 terms of being able to crawl through the building for
21 rad releases and all that kind of stuff. So that's
22 one aspect.

23 The other aspect of remoteness was the
24 aerial drones, helicopters, et cetera. That was to
25 be used for photography, infrared, all that kind of

1 jazz. So they were the two official requests.

2 But no official request came in for these
3 remote helicopters or bulldozers, et cetera, that
4 could move equipment, but that is really what is
5 needed.

6 BRIAN McDERMOTT: Right.



17 MIKE WEBER: Yeah.

18 JOHN MONNINGER: We need to know what can
19 be done to get equipment close in.

20 MIKE WEBER: Right.

21 JOHN MONNINGER: And they said no, they
22 don't have that. But they made several calls during
23 that meeting back to Russia, and they said we hear
24 you; we understand the urgency. And, you know, if
25 they can do something, they will get back in touch

1 with us.

2 So, but, you know, I would think without
3 a doubt, I mean, the laying of this piping, you know,
4 for the sprays is, you know --

5 MIKE WEBER: Well, it sounds like
6 something you guys would want. Do we need to loop
7 back to the director of the DART team to get that
8 request made through USAID?

9 JOHN MONNINGER: Yeah. Yeah. So, so,
10 who is the, who has the remote helicopter? Or we'll
11 just have them call back to the ET and coordinate
12 this, or?

13 MALE PARTICIPANT: Where is the remote
14 helicopter?

15 MIKE WEBER: Yeah, it's Lockheed Martin
16 has it. I don't know the location.

17 MALE PARTICIPANT: I can try to reach the
18 (inaudible), so I don't know exactly where it's at.
19 I'd want to make sure we (inaudible) request -- we'd
20 need one, two --

21 MALE PARTICIPANT: But the DART has the
22 request.

23 MIKE WEBER: The DART has to request it.
24 It can't be -- right, John? It's got to go through
25 the leader of the DART --

1 JOHN MONNINGER: Yeah.

2 MALE PARTICIPANT: [REDACTED]

3 JOHN MONNINGER: Yeah.

4 MIKE WEBER: It, so if you push it
5 through to [REDACTED] and then we can connect to whoever
6 in DART or USAID that needs to talk to somebody who
7 has the details back to the liaison team, and we'll
8 make sure they get connected to the right people at
9 Lockheed.

10 JOHN MONNINGER: Okay. There's actually
11 a really good guy up here named Joe Young who had
12 been working the, the pumping project. So he's, he's
13 actually downstairs at the Operations Center. I
14 should be able to engage him also.

15 MIKE WEBER: Okay. Great.

16 JOHN MONNINGER: Can I, can I run you
17 guys backwards?

18 MIKE WEBER: Sure.

19 JOHN MONNINGER: Is it a good time to
20 provide feedback on staffing or membership, that kind
21 of stuff, or get a little more sensitive, or do you
22 want me to do it later?

23 JIM WIGGINS: Say what you want to say,
24 John.

25 JOHN MONNINGER: Yeah, so, you know, you

1 got McDermott there, Brian.

2 MIKE WEBER: Yeah.

3 JOHN MONNINGER: I mean, he's got the
4 phenomenal knowledge. He's got the political savvy.
5 You know, that's the type individual we need.

6 MALE PARTICIPANT: (Off mic).

7 JOHN MONNINGER: You know, our, our
8 reactor engineers, inspectors, et cetera, you know,
9 that doesn't work. We need the strong leadership,
10 communications, and technical knowledge. Technical
11 knowledge is only 25, 30 percent of this.

12 JIM WIGGINS: Yeah, well, that's, like I
13 said, that's part of the bid spec for the, to fill
14 the roster.

15 JOHN MONNINGER: So --

16 MIKE WEBER: I think we can work on that.

17 JIM WIGGINS: Yeah.

18 JOHN MONNINGER: I mean, that's for quite
19 a few members of the team.

20 JIM WIGGINS: Okay. So let us do it.
21 You can grade us on how well we did too.

22 JOHN MONNINGER: All right.

23 MIKE WEBER: All right, John. Thanks.

24 JOHN MONNINGER: For what what it's
25 worth, that's my two cents.

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1 MIKE WEBER: Yeah, Michelle knows that,
2 and that's what she and Nader were off focusing on.
3 So, okay?

4 JOHN MONNINGER: Okay. Okay, sounds
5 great, guys. All right.

6 MIKE WEBER: Good bye, John.

7 JOHN MONNINGER: Thanks. Goodbye.
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(CONFERENCE CALL INITIATED.)

02:27:30/02:47:59

(Standby.)

MIKE WEBER: Good morning, Chuck.

CHUCK CASTO: Good, good night.

MIKE WEBER: It's only midnight up there.
You've got the next morning.

CHUCK CASTO: Yeah.

MIKE WEBER: It's a fresh new morning
(inaudible).

CHUCK CASTO: Oh, yeah.

MIKE WEBER: What can we do for you?

CHUCK CASTO: Okay. I guess we just
concluded a couple-hour meeting with Tepco and the
regulator and it was definitely the most productive
meeting we've had this week.

And they, they were very receptive. And in
fact, right now, we're trying to put together a
meeting in Okura Hotel with the pump engineers from
Tepco and the regulator, our guys, and Bechtel. That

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1 was supposed to start -- it's running a little bit
2 late, but it was supposed to start at midnight.

3 Amazingly enough, just as we went into
4 the hotel to start the meeting, of all people
5 checking in, it's a bunch of media people with
6 cameras, so that caused some complications. But, you
7 know, what timing, at midnight. Who would have thunk
8 it?



18 In the morning, I think we're doing some
19 kind of assessment, some BDA, we're having some BDA
20 specialists look at the pictures and give us an
21 assessment of building damage. And we're going to
22 work with Tepco to go through that, to talk about the
23 structural integrity of the pools. And there,
24 there's some concern about the leakage out pools, so
25 talked about dolomite.

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1 But the main overall message is that
2 Tepco and the regulator were very receptive to the,
3 to the information and very willing to work with us.

4 MIKE WEBER: Okay. Anything else? Any
5 other -- anything we can do for you?

6 CHUCK CASTO: The sand calculation, I
7 think, somebody's pumping that to the Japanese, I
8 think.

9 JIM WIGGINS: Okay, we'll check. Do you
10 think that's coming from here?

11 CHUCK CASTO: Yeah, I think it is.

12 Brooke sent an email into --

13 Help me out, Kirk.

14 He, he's checking to see where the email
15 went to.

16 JIM WIGGINS: Okay.

17 CHUCK CASTO: I think she sent it to the
18 HOO asking for that same calculation, structural
19 integrity.

20 Who'd she send it to?

21 MALE PARTICIPANT: (Off mic).

22 CHUCK CASTO: Yeah, who should we send
23 this request to in the HOO?

24 MIKE WEBER: You can just send it to to
25 HOO.HOC@NRC.gov.

1 CHUCK CASTO: Okay. So someone
2 yesterday, I think it was, or maybe it was today, did
3 a calculation of filling the spent fuel pool with
4 sand and what, what that did to the structural
5 integrity of the pool.

6 MIKE WEBER: Okay.

7 CHUCK CASTO: That's the calculation we
8 need sent to the, to Tepco.

9 MIKE WEBER: Got it.

10 CHUCK CASTO: And we're sending you an
11 email address -- two email addresses -- to whom to
12 send it to.

13 MIKE WEBER: And that's going to be in
14 the message to the HOO?

15 CHUCK CASTO: Yes.

16 MALE PARTICIPANT: (Off mic).

17 CHUCK CASTO: The regulator. Yeah, the
18 regulator and Tepco. We're making progress finally.

19 MIKE WEBER: But we'll get it to the
20 regulator too.

21 CHUCK CASTO: Yeah. Tim Kolb is out of
22 commission, and it's probably here somewhere. But I
23 think if you guys did it, I think it'd just be easier
24 if you guys did it for us.

25 MALE PARTICIPANT: No problem. We got

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1 it, Chuck.

2 CHUCK CASTO: I seen it here somewhere,
3 but I don't see it right now.

4 JIM WIGGINS: The Chairman talked to John
5 Monninger. Did you hear about, you hear that yet?

6 CHUCK CASTO: No.

7 JIM WIGGINS: He was trying to get you
8 but you were in that meeting, so he talked to us and
9 John.

10 He said he had a conversation with
11 Admiral Donaldson [sic], Naval Reactors.

12 CHUCK CASTO: Yeah.

13 JIM WIGGINS: The Admiral offered to try
14 to use his Navy connections to facilitate logistical
15 support for you guys.

16 CHUCK CASTO: Great.

17 JIM WIGGINS: That would be coming from
18 the Navy assets in the area.

19 CHUCK CASTO: Okay.

20 JIM WIGGINS: John indicated that it
21 would be useful, although no specifics as to what,
22 what would be provided.

23 The Chairman was going to go back to the
24 Admiral and ask him to do that.

25 [REDACTED]

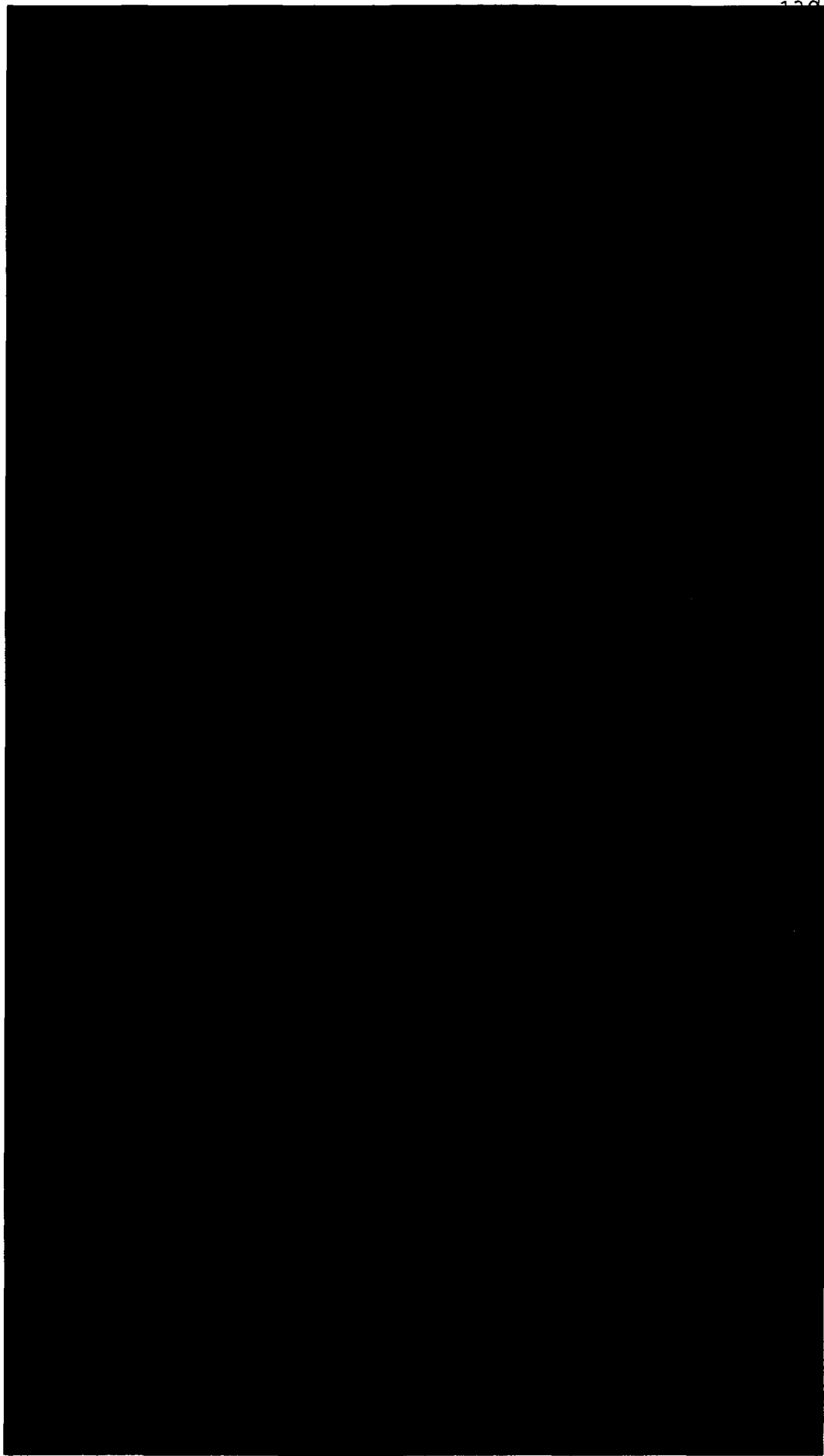
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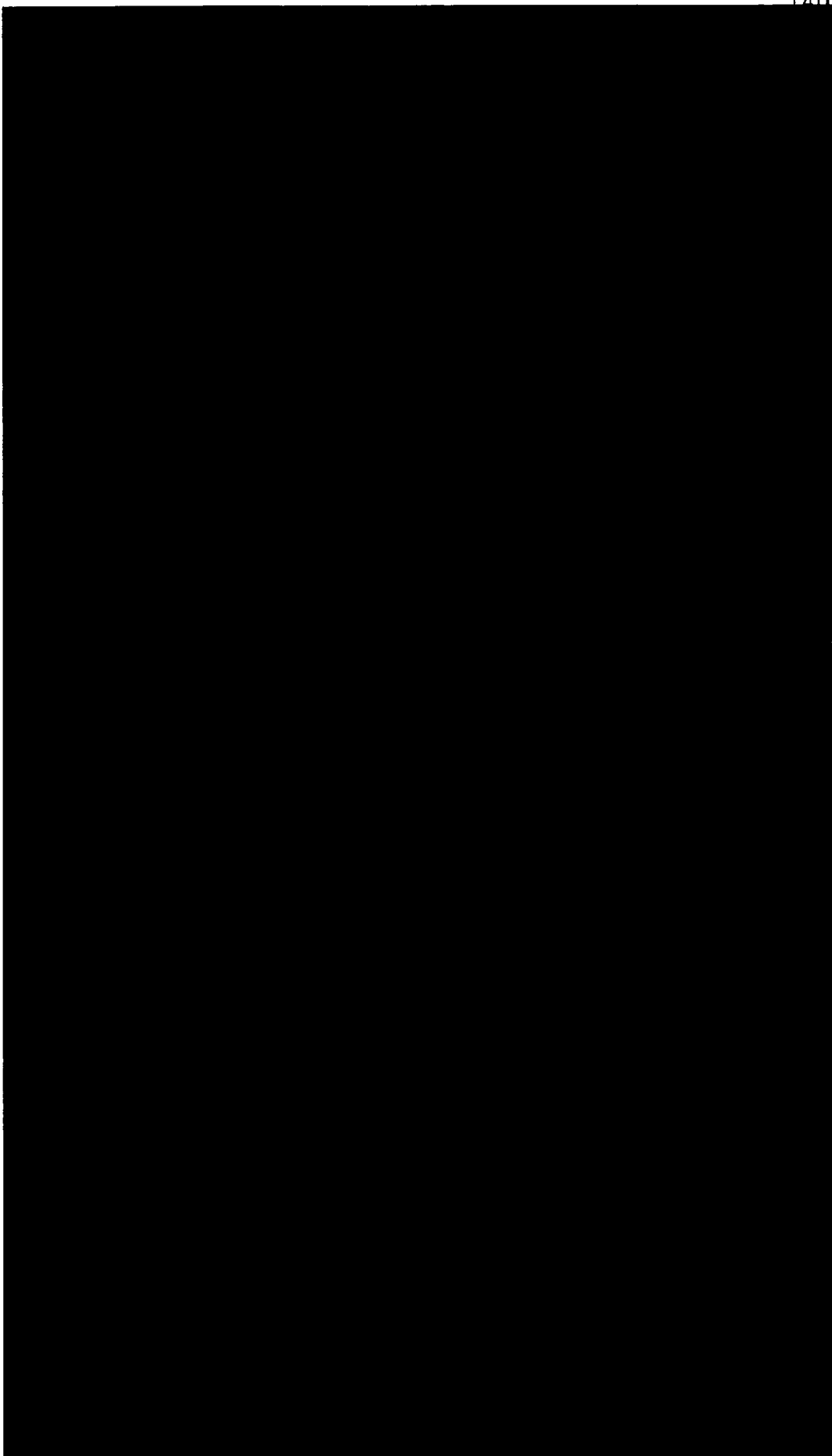


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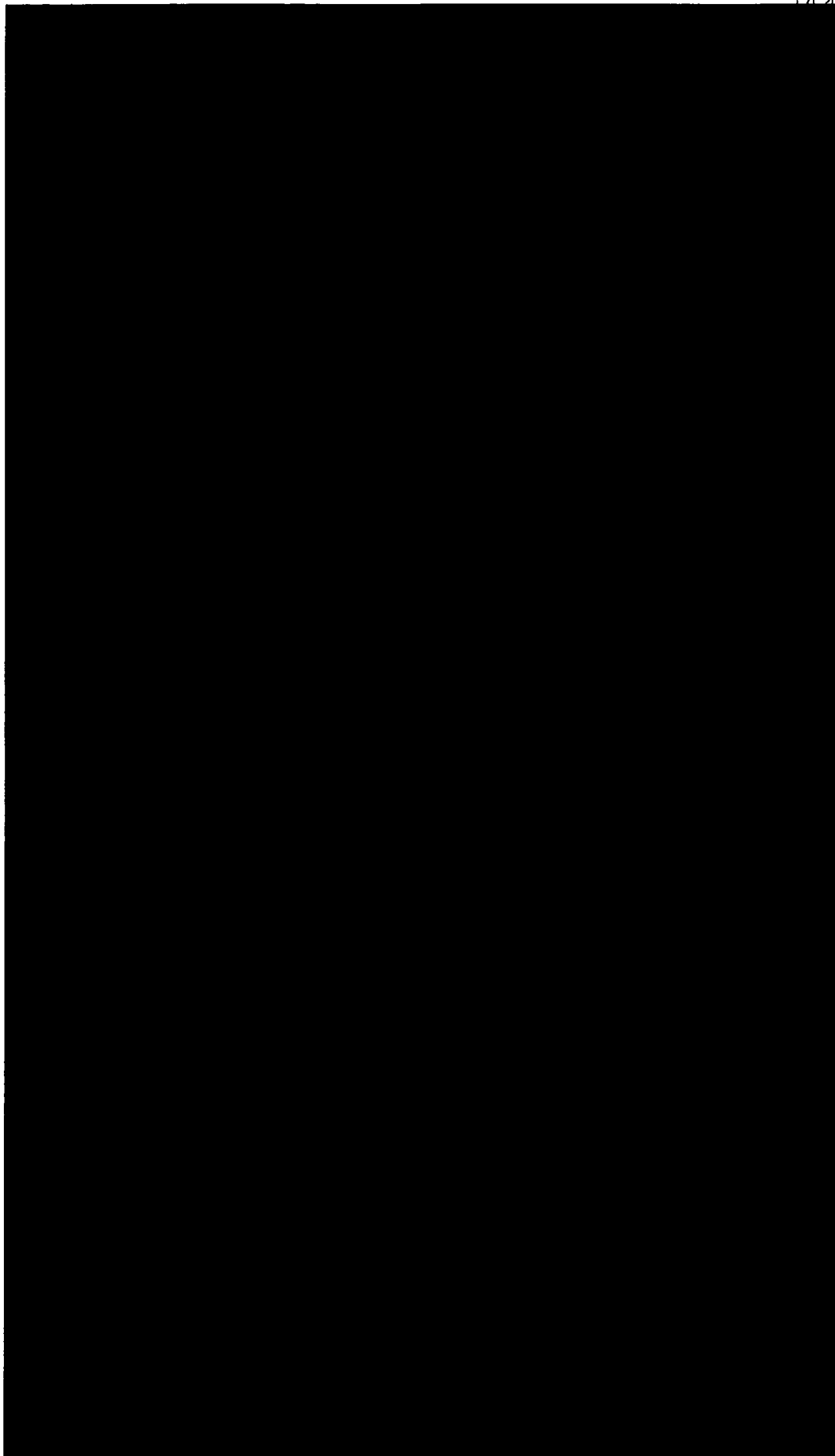
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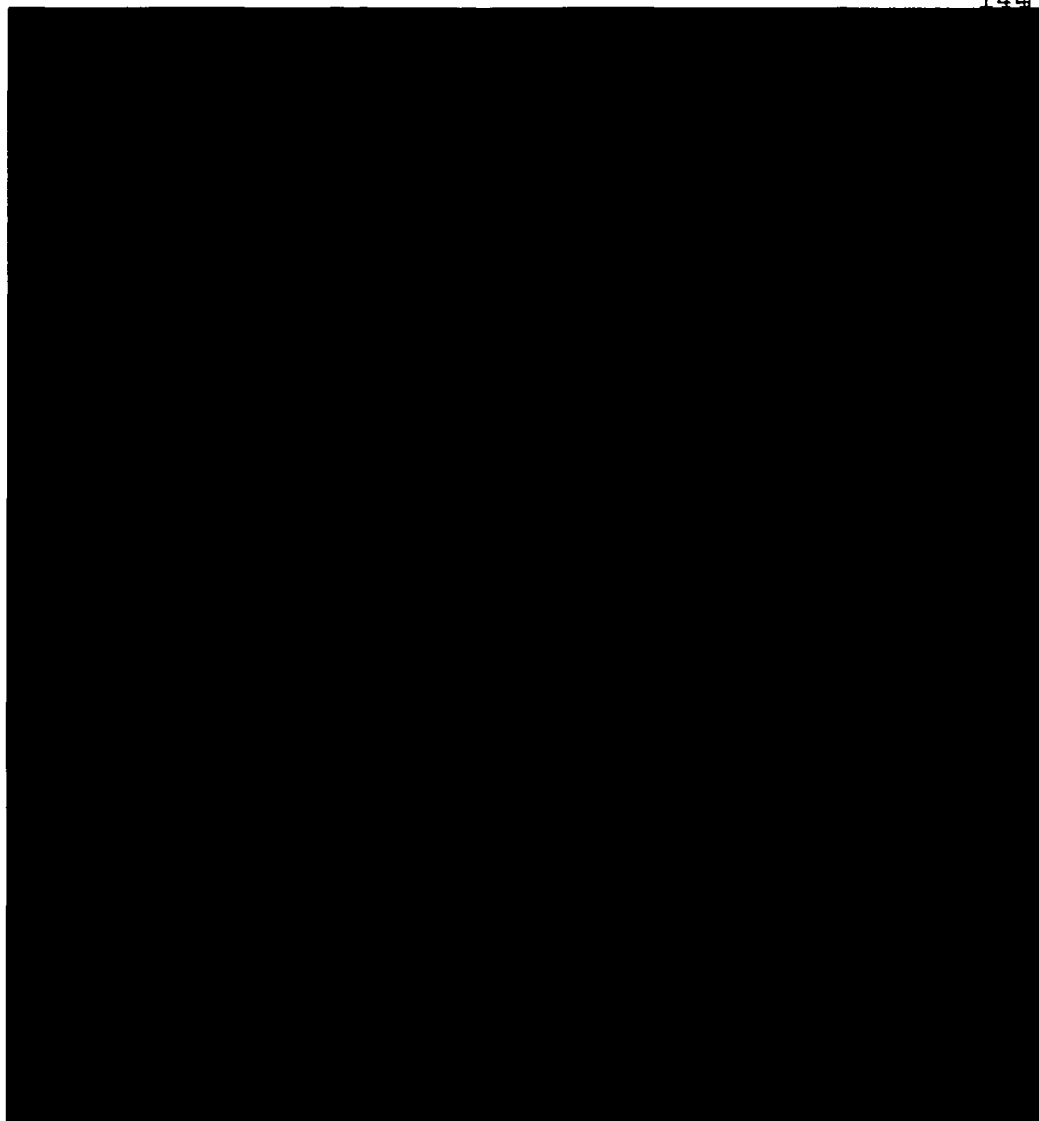
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MIKE WEBER: Well, Chuck, I, I understand the sensitivities there. From your perspective, if we're in communication with the people who are going to Perth to pick the stuff up, who do we need to have the thumbs-up, or, who do they need to get the thumbs-up from before they actually move this stuff?

CHUCK CASTO: [REDACTED]

MIKE WEBER: Okay.

CHUCK CASTO: And to some degree, [REDACTED] what's [REDACTED] last name? [REDACTED] -- the Embassy guys.

6

1 MIKE WEBER: Okay. [REDACTED]

2 CHUCK CASTO: [REDACTED] and [REDACTED] and 6

3 [REDACTED] from AID. You know, and [REDACTED] --

4 MALE PARTICIPANT: [REDACTED]

5 CHUCK CASTO: Yeah. [REDACTED]

6 MALE PARTICIPANT: [REDACTED] and [REDACTED]

7 [REDACTED]
8 CHUCK CASTO: [REDACTED] and [REDACTED] and

9 [REDACTED] Those guys need to give the green light
10 to lift it out of Australia.

11 MIKE WEBER: Okay.

12 CHUCK CASTO: And so I don't want to hear
13 -- they, they were not supportive of lifting it out
14 of Australia earlier today. Later I heard they were
15 supportive, or at least [REDACTED] was. So I don't know 6
16 where we stand with that, but I don't want to get
17 crossways with the embassy. If they don't think --

18 MIKE WEBER: Oh, no, no, no.
19 [REDACTED]
20 [REDACTED]
21 [REDACTED] 5

22 MIKE WEBER: Sure.

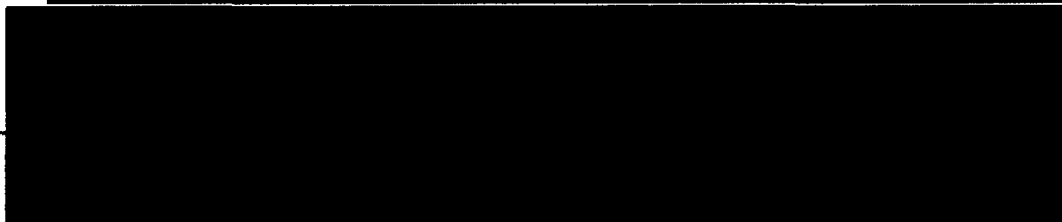
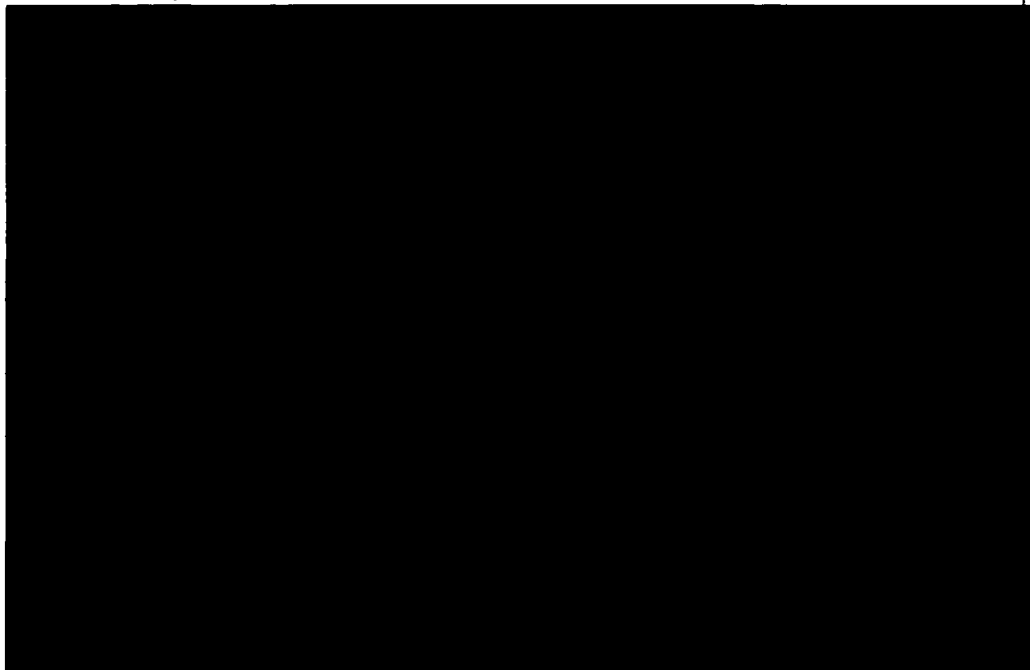
23 CHUCK CASTO: So if we, if we know that
24 -- I don't think they'll have any hesitation at all
25 in approving it if they know that their actually

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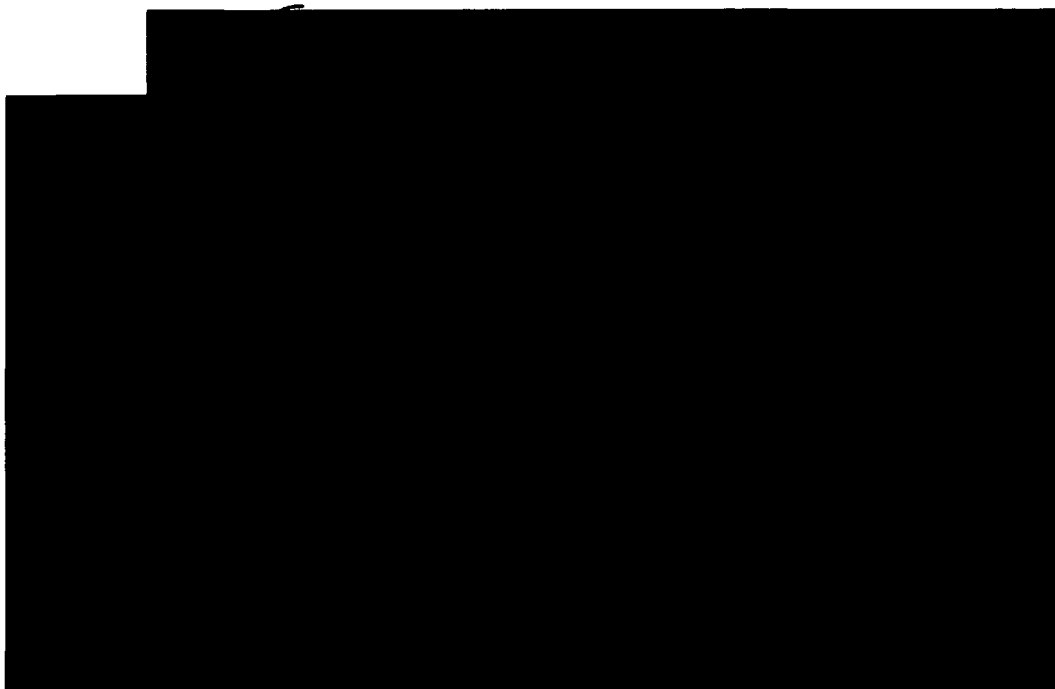
1 going to use it --

2 MIKE WEBER: Got it.



15 MALE PARTICIPANT: Parliament.

16 CHUCK CASTO: It's Parliament. Congress.



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[REDACTED]

And so finally, they've, they've come to, which is great. That's fantastic. Man, that's the greatest news we could have is that we've, we've got, we've gotten a lot of progress.

MIKE WEBER: Great. Is there anything else we can do for you?

CHARLIE MILLER: Chuck, there's one more thing we need. The RST needs the contact information for the Japanese regulator to get the information he wanted to get to them. Do you have it?

MALE PARTICIPANT: It's going in an email to the HOO

CHUCK CASTO: You've got it.

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1 CHARLIE MILLER: We got it. All right,
2 thank you, Chuck.

3 JIM WIGGINS: Hey, Chuck, we're working
4 on a replacement.

5 BRIAN McDERMOTT: Hey, Chuck?

6 JIM WIGGINS: Yeah, he's there. Go
7 ahead.

8 CHUCK CASTO: Go ahead.

9 BRIAN McDERMOTT: We're trying to get Dan
10 Dorman on the next reasonable light.

11 CHUCK CASTO: Okay.

12 BRIAN McDERMOTT: The expectation is Dan
13 would be there and would work with you, so over the
14 next -- as soon as he gets there obviously -- for the
15 next several days once he's there. And that would
16 give him and you some time to get to work together
17 and also for him to earn the confidence of the
18 ambassador.

19 CHUCK CASTO: Okay.

20 BRIAN McDERMOTT: And then we'll reassess
21 where we are. We're also working on the longer-term
22 turnover but, you know, longer-term like early next
23 week, for other members of your team.

24 CHUCK CASTO: Oh, for PEG?

25 BRIAN McDERMOTT: For a period of time,

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1 there would be augmentation of your team and then we
2 would be in a position to assess, do we want to pull
3 people back? Is this timely? Or do we need to leave
4 them there for some time to support the ongoing needs
5 as you see them?

6 CHUCK CASTO: No problem.

7 BRIAN McDERMOTT: Okay.

8 JIM WIGGINS: At any rate, you'd better
9 get some sleep.

10 CHARLIE MILLER: Chuck, I'm --

11 CHUCK CASTO: Okay, we'll talk to you
12 sometime --

13 JIM WIGGINS: Hold on. Hold on. Not
14 just yet. Stay awake for a minute.

15 CHARLIE MILLER: I just wanted to make
16 you aware that we had information through Naval
17 reactors that they've done some conservative
18 calculations [REDACTED]

19 [REDACTED]
20 [REDACTED] Has any of that come into the
21 Embassy? Personnel and dependents of military.

22 CHUCK CASTO: They, they authorized,
23 today the military authorized voluntary -- what's it
24 called? It has a fancy name.

25 BRIAN McDERMOTT: Voluntary departure.

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1 CHUCK CASTO: Yeah, they had not
2 authorized that. It's not an evacuation or anything.
3 It's voluntary departure.

4 CHARLIE MILLER: Okay.

5 CHUCK CASTO: It authorized it for the
6 embassy staff but had not authorized for the
7 military, and that got done today.

8 CHARLIE MILLER: All right. I just
9 wanted to make sure you were aware of what was going
10 on in case they are --

11 JIM WIGGINS: That reaches down the
12 Yukuska.

13 CHARLIE MILLER: Yeah.

14 CHUCK CASTO: Yeah. And there was a lot
15 of discussion about that, and --

16 CHARLIE MILLER: Okay.

17 CHUCK CASTO: -- what's open and what's
18 closed and all that kind of stuff.

19 CHARLIE MILLER: Okay.

20 JIM WIGGINS: All right, Chuck. You
21 better get some sleep.

22 CHUCK CASTO: Okay. Thank you, guys.
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(CONFERENCE CALL INITIATED.)

02:47:55/02:57:26

CHARLIE MILLER: Hey, John, are you there?

JOHN MONNINGER: Hey, Charlie. Are you there?

CHARLIE MILLER: Hey, yeah, I'm here.

JOHN MONNINGER: I'm not sure, maybe Laura already briefed you guys and, and, and if not, I assume she'll come in. But one thing I wanted to, to, to bring to your guys' attention was we're going to raise, tomorrow, the, the topic of two massive cement pumper trucks in China. Japan currently has two that they're going to use on this project, and there's two more in Japan. That's where Tepco has found two others.

But the, the proposal, the thought would be that somehow, we'd reach out to China for this equipment and work the logistics out through the military, US military, or whatever, to potentially get it here to Japan.

CHARLIE MILLER: Okay. Now this flows from the Chinese offer to help?

JOHN MONNINGER: No. No. I have no idea.

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1 CHARLIE MILLER: Because there's
2 sensitivity on this end about that and what Japan
3 thinks about that. It' through the Embassy, so you'd
4 know better than me.

5 JOHN MONNINGER: Yeah. So, you know, I
6 don't know if they have offered help or not or if
7 they been asked for --

8 CHARLIE MILLER: Yes. IT, IT has told me
9 that they made an early offer a few days ago.

10 JOHN MONNINGER: Yeah. But, and, and I
11 haven't talked to Chuck or anything about this.

12 CHARLIE MILLER: Okay.

13 JOHN MONNINGER: But, you know, I know
14 relationships are maybe a little different between
15 even us and China or whatever.

16 CHARLIE MILLER: I understand.

17 JOHN MONNINGER: So, if there's -- you
18 know, I guess my question is --

19 CHARLIE MILLER: Yeah, it's a complex
20 international, you know, situation.

21 JOHN MONNINGER: Right. Yeah, and maybe
22 one is available some other place within the world
23 and, you know, that's where we would go. But the
24 project that may be coming up is the notion for some
25 type of diplomatic outreach to China, and I don't

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1 know how that works.

2 CHARLIE MILLER: Okay.

3 JOHN MONNINGER: So we're, we're not
4 asking for anything right now, but I'm just saying
5 something like that may come down.

6 CHARLIE MILLER: That may come down. All
7 right, so would you look for us to be doing that on
8 this end, or would that be done at your end?

9 JOHN MONNINGER: I have no idea. I mean,
10 we'll, we'll mention it tomorrow here at the embassy.
11 You know, I have, I, I don't know who, you know, the
12 NRC counterparts in China and whether the Chairman
13 has relationships with them.

14 CHARLIE MILLER: Okay.

15 JOHN MONNINGER: But someplace, we have
16 to start. I'm not asking for anything today, but I
17 --

18 MALE PARTICIPANT: Just a heads up,
19 right?

20 JOHN MONNINGER: It's, it's a heads up
21 that -- it's a little bit above my pay grade.

22 BRIAN McDERMOTT: John, this is Brian
23 McDermott.

24 JOHN MONNINGER: Yeah, Brian?

25 BRIAN McDERMOTT: Hey, we got a request

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1 from Josh Baskin regarding a statement that might be
2 made regarding the level of activity that we should
3 expect to see at the site. So I have Laura working
4 on that now. She told me you had already gone to
5 bed, so I take it you're sleep-talking.

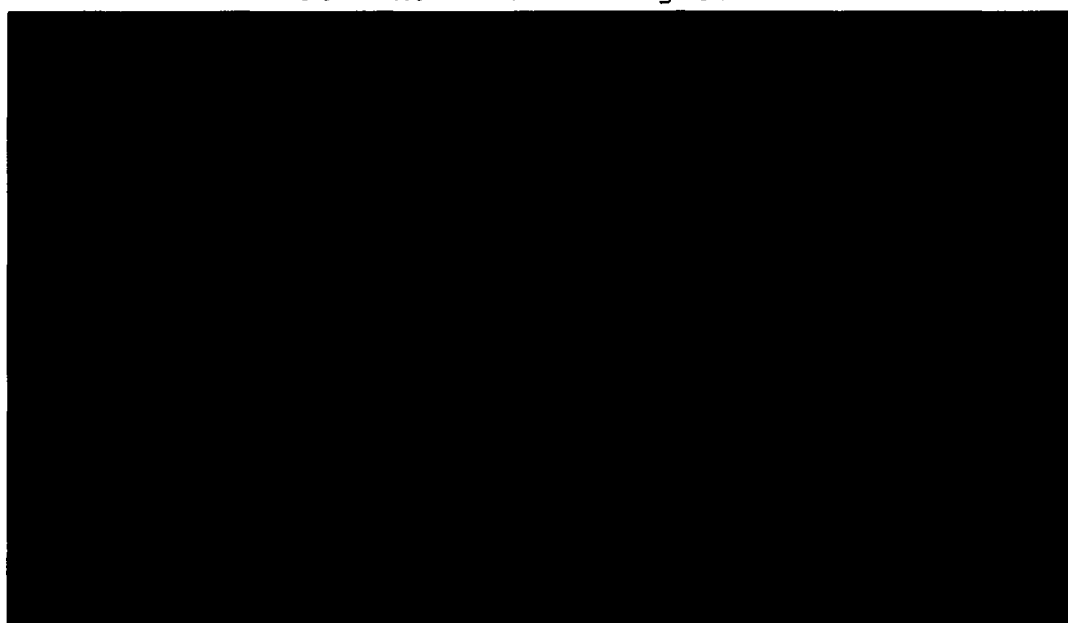
6 JOHN MONNINGER: Yeah, I am.

7 BRIAN McDERMOTT: Is there somebody we
8 out to bounce that off of that's working the back
9 shift?

10 JOHN MONNINGER: I, I heard the words
11 "site activity" and I can interpret that to be people
12 running around, or I can just interpret it to be
13 radiation.

14 BRIAN McDERMOTT: People running around..

15 JOHN MONNINGER: Right.



24 JOHN MONNINGER: That, that, that topic
25 -- Chuck Casto was in some, some very high-level

1 sensitive discussions --

2 BRIAN McDERMOTT: Okay.

3 JOHN MONNINGER: -- on personnel that I
4 believe included the Prime Minister and all these
5 ministries and the ambassador, et cetera. And I was
6 not at the meeting, but Chuck debriefed me
7 afterwards. [REDACTED] 5

8 [REDACTED]
9 [REDACTED]
10 [REDACTED]
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 [REDACTED]
25 JIM WIGGINS: Other than the control 5

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1 room.

2 JOHN MONNINGER: Yeah, yeah. I mean,
3 they're, they run in the control rooms back and forth
4 occasionally, but they're not really manning the
5 control rooms.

6 Actually, that's one thing interesting,
7 the whole issue with AC power. We talked to Tepco
8 today, why they want the AC power, and it's to get
9 the control room up and running for instrumentation
10 primarily. And then they want to see, you know, what
11 kind of motors they can get going. They want to get
12 control room, HVACs, ventilation going, that kind of
13 stuff.

14 BRIAN McDERMOTT: Okay.

15 JOHN MONNINGER: But no, I, I think we do
16 not believe that people are unnecessarily hanging --
17 we're not aware of any other activities there, of
18 course -- but we don't believe they're unnecessarily
19 hanging in close to the site. I think, to the
20 contrary, you know, they have them as far away as
21 possible, and there's a subset of them that would
22 like to get much, much further away.

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1 [REDACTED]
2 [REDACTED]
3 BRIAN McDERMOTT: That's the concern;
4 right?

5 JOHN MONNINGER: That's -- yes, 100
6 percent.

7 BRIAN McDERMOTT: Okay. Got it. We'll,
8 we'll come up with the best we can on that. I mean,
9 the only information we have is that, that one
10 approach relative to Unit 3 spent fuel pool.

11 JOHN MONNINGER: Right. We met, we met
12 with Tepco yesterday trying to figure out their
13 long-range plan. They have one priority: Unit 3.
14 And once they get done with that, they'll determine
15 the next priority.

16 BRIAN McDERMOTT: Okay. Do we know who
17 is executing that one plan on, on the ground?

18 JOHN MONNINGER: We --

19 BRIAN McDERMOTT: We talked about the
20 fire department versus Tepco versus defense force.

21 JOHN MONNINGER: Yeah, and my -- no, we
22 don't know. But I think more and more, it's going to
23 be more defense forces coming --

24 BRIAN McDERMOTT: Yeah.

25 JOHN MONNINGER: Yeah, I mean, what's --

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1 I think we've only had two meetings with Tepco, the
2 meeting yesterday where they said they didn't need
3 any help and everything's in full control, under full
4 control, and then the meeting today with Laura on the
5 phone. That's been the first two interactions.

6 BRIAN McDERMOTT: All right, John.

7 Please get some sleep, guy.

8 CHARLIE MILLER: I'll make sure that
9 everybody here knows that (inaudible) -- John.

10 Thanks.

11 JOHN MONNINGER: Yeah, so, I mean, you
12 know, we don't want to say anything about China
13 outside the NRC. I think we've got to figure it out
14 with the ambassador and the embassy here. And maybe
15 you guys don't have a part, or maybe you guys do. I
16 have no idea, but it's --

17 CHARLIE MILLER: Well, I think that's why
18 I'm asking you which end is going to get worked
19 because you're working in an embassy, and --

20 JOHN MONNINGER: Yeah.

21 CHARLIE MILLER: -- we just need to know
22 from this end if there's anything that the NRC needs
23 to be doing from Headquarters.

24 JOHN MONNINGER: I don't, nothing right
25 now, but maybe eventually there is. Maybe there's a

1 call from, you know, the ambassador to the Secretary
2 of State to China, and then maybe there's a call from
3 the Chairman to the China NRC. Who knows?

4 CHARLIE MILLER: Right. But be aware, be
5 aware that was (audio interference).

6 JOHN MONNINGER: Yeah. Yeah.

7 CHARLIE MILLER: Just be aware that I
8 told you that there was a, there was an offer
9 earlier.



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17 CHARLIE MILLER: Ah.

18 JOHN MONNINGER: So, okay.

19 CHARLIE MILLER: Okay.

20 BRIAN McDERMOTT: All right, John.

21 Thanks.
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(CONFERENCE CALL INITIATED.)

2:57:34/3:00:03

CHAIRMAN JACZKO: Hello. Hi.

JIM WIGGINS: Hi.

CHAIRMAN JACZKO: Let me -- I think we, we miscommunicated what I was looking for. I need to know two things. One, I need to know specifically what, what equipment, what, exactly what Chuck is telling people in Tokyo they need to do, so namely, what equipment they need. It's that very specific just list of things that needs to be done.

JIM WIGGINS: Okay.

CHAIRMAN JACZKO: [REDACTED]

[REDACTED]

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JIM WIGGINS: Yeah. We've been trying, given the time we've have, as close as we can get when you look at the four trains and what you have to do to to erect and maintain and operate it. You get down to the the low several hundreds.

CHAIRMAN JACZKO: Okay. I need, what I need -- I appreciate this, but I don't, I don't have the technical knowledge to agree or disagree. What I

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1 just need is this on a piece of paper because I need
2 to be able to hand it to the ambassador of Japan so
3 it can get to the Japanese at the highest level. And
4 it needs to be consistent with what Chuck is telling
5 people. Those are the two, the two things.

6 JIM WIGGINS: All right.

7 CHAIRMAN JACZKO: So we, we have a
8 tremendous opportunity here now. We have an
9 ambassador who basically wants to be helpful and can
10 pass information at very high levels to help move a
11 logjam if necessary. So, but I just, I need to give
12 them something specific, and it has to be consistent
13 with what Chuck is telling people so we don't create
14 confusion.

15 JIM WIGGINS: Okay, you're getting a
16 piece of paper that will not give you, not give you
17 the answer to the first question, and it doesn't give
18 you the, pull the trigger on the second one.

19 CHAIRMAN JACZKO: I look at that, that's
20 not what he need at all.

21 JIM WIGGINS: Right.

22 CHAIRMAN JACZKO: I just need those very
23 specific things.

24 JIM WIGGINS: Okay. We'll have to work
25 around and try to figure out a way to get it to you.

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1 CHAIRMAN JACZKO: Okay. My meeting's at
2 four o'clock.

3 JIM WIGGINS: Okay. We'll get with Chuck
4 and find out what he's told them and go from there.

5 CHAIRMAN JACZKO: Okay. Thank you. I
6 appreciate it.

7 JIM WIGGINS: Okay. Thanks.
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(CONFERENCE CALL INITIATED.)

03:00:14/03:03:01

JIM WIGGINS: Hey, Bill.

BILL BORCHARDT: Hey, Jim. Are you busy
right now?

JIM WIGGINS: Just a tad. Can we help
you?

BILL BORCHARDT: Well, I was calling and
following up some information that the Chairman was
needing for the meeting with the Japanese ambassador.

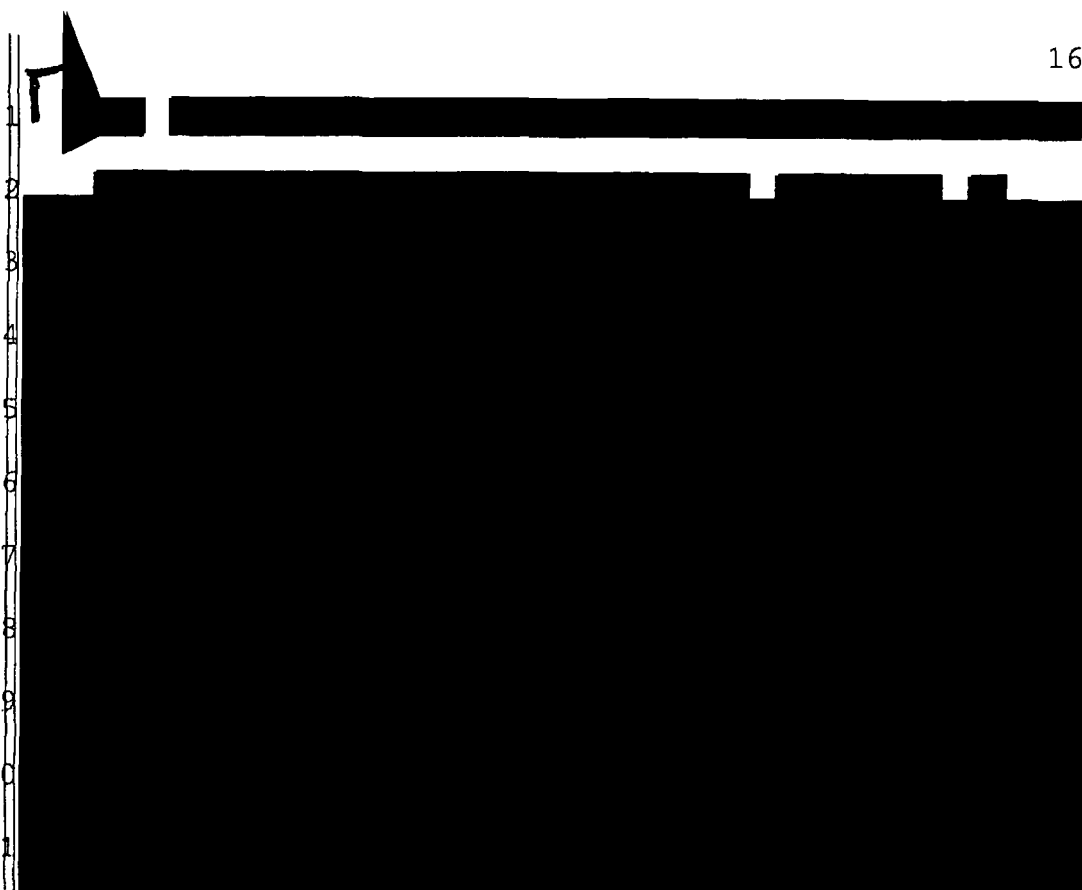
JIM WIGGINS: Yes. We just --

BILL BORCHARDT: Is there still something
coming down?

JIM WIGGINS: He just got off the phone
with us.

BILL BORCHARDT: Okay.

JIM WIGGINS: We have something that
we're giving him that doesn't cut it. We already
know it doesn't cut it.



12 And we've got until four o'clock to figure this out.

13 BILL BORCHARDT: Oh, okay. All right, so
14 there's nothing coming down immediately then.

15 JIM WIGGINS: Four o'clock today. It's

16 --

17 BILL BORCHARDT: Yeah, yeah, right.

18 Okay.

19 JIM WIGGINS: We've got 35 minutes to get
20 an answer in, on a piece of paper to where he has,
21 and I don't know that's going to happen either.

22 BILL BORCHARDT: Well, yeah. All you
23 could do is, if you email me with that, I can just
24 hand him my BlackBerry, and I guess he can read it.

25 JIM WIGGINS: Oh, are you with -- well,

1 he wants to hand something to the ambassador.

2 BILL BORCHARDT: Yeah, well, that's not
3 going to be able to happen because he's, he must have
4 thought that it was already prepared. So I, I was
5 riding down with him but then I got out. I'm going
6 to take a different car. But I'm going to have to
7 leave here in a couple minutes anyway. So, you know,
8 I just, there's no way to get a piece of paper down
9 to Massachusetts Avenue by four o'clock.

10 JIM WIGGINS: Now, Massachusetts Avenue
11 is what, Bill?

12 BILL BORCHARDT: At the Japanese Embassy.

13 JIM WIGGINS: Can you get us an email
14 address for the ambassador's secretary? We'll email
15 it him or her.

16 BILL BORCHARDT: Yeah, I can do that if I
17 get there in time.

18 JIM WIGGINS: All right.

19 BILL BORCHARDT: Yeah, I'll do that.

20 JIM WIGGINS: All right.

21 BILL BORCHARDT: Okay. Bye.

22 JIM WIGGINS: Try that one. That's the
23 game plan going in.

24 BILL BORCHARDT: Okay, bye.

25 JIM WIGGINS: Bye.

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(CONFERENCE CALL INITIATED.)

3:03:15/3:06:31

(Standby until 03:03:45.)

RICK DeVERCELLY: Hello, this is Rick
DeVercelly.

JIM WIGGINS: Hi, this is Jim Wiggins,
the director for now. Bruce Boger is here too. He's
the oncoming.

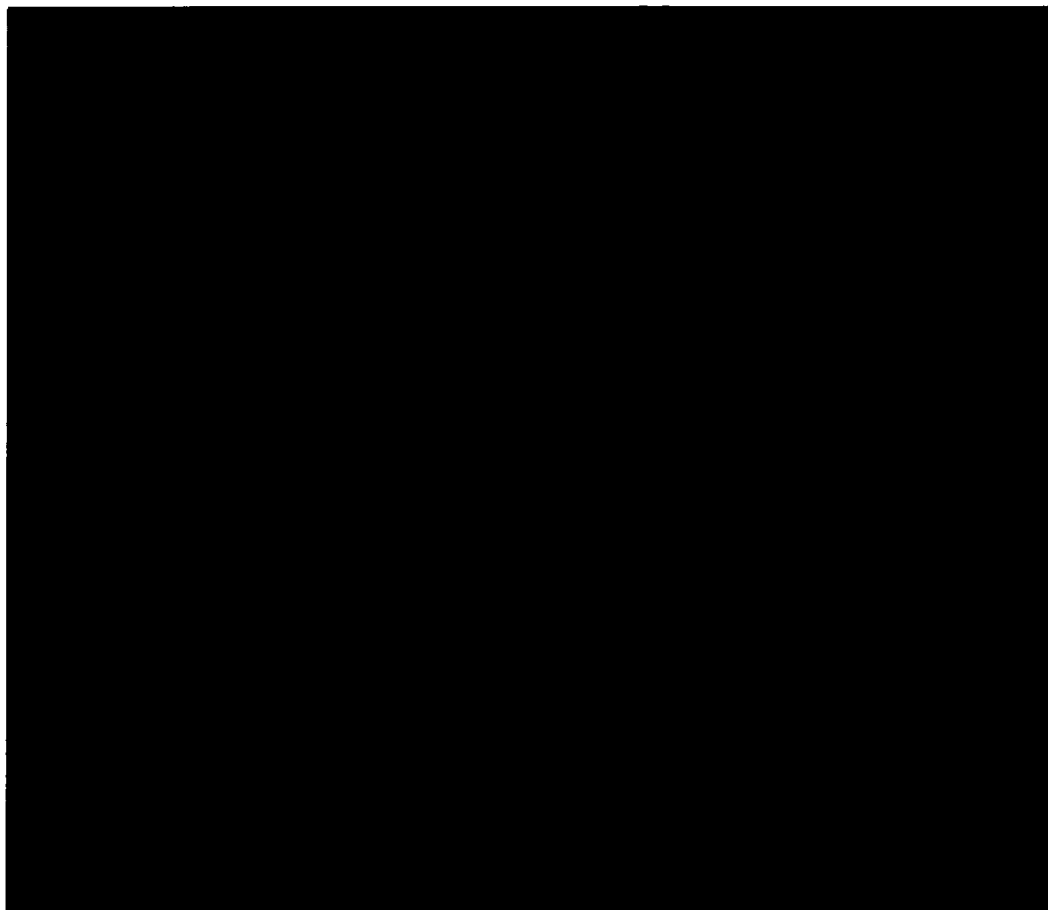
RICK DeVERCELLY: Okay.

JIM WIGGINS: We have a very specific
request for the Chairman and it might require you to
rack out either Chuck or, or Monninger.

RICK DeVERCELLY: Okay.

JIM WIGGINS: But what the Chairman's

1 interested in is what has Chuck said or given to the
2 Japanese with regard to that list.



15 RICK DeVERCELLY: Okay.

16 JIM WIGGINS: If he's given them
17 (inaudible), that's okay. If he's just talked them
18 through it, that's okay. If he's given them a
19 specific bill of materials, we need to know that. If
20 it's the same as what we got here, we can take care
21 of it from that point. The only damn problem is we
22 have to answer it in 20 minutes.

23 RICK DeVERCELLY: Okay. That means I
24 have to get Chuck up in the next couple.

25 JIM WIGGINS: You got it. That's it.

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1 RICK DeVERCELLY: Okay, we'll call and
2 wake up Chuck and I'll deal with the bear.

3 MALE PARTICIPANT: Yeah. Well, just
4 blame it on me.

5 RICK DeVERCELLY: I'm sorry?

6 CHARLIE MILLER: You may have to send
7 someone over because I've called him three times
8 already and he's not answering.

9 JIM WIGGINS: He's probably really dead
10 to the world.

11 RICK DeVERCELLY: Well, it's extremely
12 light on sleep over here. The other option is I can
13 walk over to the hotel and bang on his door. Do you
14 want that?

15 JIM WIGGINS: Whatever you need.
16 Whatever he needs.

17 RICK DeVERCELLY: Okay. In parallel, in
18 parallel, Tim and I will go over to the hotel, bang
19 on his door, and keep calling him. We'll get, we'll
20 get everything we can.

21 JIM WIGGINS: And do it with Monninger
22 also if that's easier. That's another option. Okay?

23 RICK DeVERCELLY: Okay. I'll call
24 Monninger also.

25 JIM WIGGINS: Okay. All right. Thank

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1 you. Sorry about that.

2 RICK DeVERCELLY: All right. Thank you.

3 I'll call back here on the bridge then.

4 JIM WIGGINS: Okay.

5 RICK DeVERCELLY: All right. Bye.

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(CONFERENCE CALL INITIATED.)

03:06:39/03:15:32

CHAIRMAN JACZKO: Hi, everybody. I know you're scrambling to fulfill the one request I have.

MALE PARTICIPANT: Yes, sir.

CHAIRMAN JACZKO: I have a secondary issue right now.

JIM WIGGINS: Okay. Go ahead.

CHAIRMAN JACZKO: And I don't want it to distract from the first issue, but can somebody get -- I just got an email from Tom D'Agostino indicating that possibly the runs that, that we're doing right now indicate that, for a worst-case scenario based the source term we've supplied, [REDACTED]

[REDACTED] Are you aware of that?

JIM WIGGINS: We haven't heard that yet, sir. But it must be happening back in the teams. They haven't talked us. We've been focused on the other efforts.

CHAIRMAN JACZKO: Can, you can maybe then --

HOOs, are you still on the line?

JIM WIGGINS: What do you need, Chairman? We can bring the PMT in here.

1 CHAIRMAN JACZKO: Maybe the Protective
2 Measures Team.

3 JIM WIGGINS: Yeah, we'll get it.

4 CHARLIE MILLER: They're on their way.

5 JIM WIGGINS: Okay, here's, Vince
6 Salhan's (phon) here.

7 This is the Chairman, Vince. This is a
8 question about -- the Chairman's been talking to his
9 counterpart in NNSA, Tom D'Agostino, and it has to do
10 with this worst-case analyses, that there is a result
11 that might indicate an iodine problem.

12 VINCE SALHAN: I just came on. I can
13 find out.

14 HOO: Mr. DeVercelly on the line.

15 CHAIRMAN JACZKO: yes.

16 RICK DeVERCELLY: Yes, this is Rick
17 DeVercelly. I've got Chuck Casto on another line.
18 He's attempting to call into the bridge, but just in
19 case it fails, I think he's on my other speakerphone
20 here. I put him on a handset and hold it close if
21 that's what you wish.

22 CHAIRMAN JACZKO: Hi, this is Greg
23 Jaczko. Why don't you take me and put me on a
24 separate bridge and put somebody from the Protective
25 Measures Team on that bridge. I don't interfere with

1 your talking to Chuck.

2 JIM WIGGINS: Okay.

3 Ops Officer, are you on the line?

4 HOO: Yes, sir.

5 JIM WIGGINS: Chairman, if you would
6 identify yourself by hitting 0, the ops officer will
7 transfer you to the back room to the ET chamber, and
8 we'll get the Protective Measures member back there
9 for you.

10 CHAIRMAN JACZKO: Okay. Good. Star-0,
11 I'll do that right now.

12 JIM WIGGINS: Okay. Thank you.

13 All right, now we're waiting, waiting for
14 Chuck. I guess he got his wake up call.

15 RICK DeVERCELLY: Chuck, can you hear
16 them talking on the line?

17 CHUCK CASTO: Yeah, a little bit, I can
18 hear.

19 RICK DeVERCELLY: Do you need me to hold
20 the handset up closer?

21 CHUCK CASTO: No. Just go with it. See
22 what's the question and you can can relay the answer.

23 RICK DeVERCELLY: Okay.

24 Chuck is on the other line. Can ET
25 bridge hear him talking?

1 JIM WIGGINS: Yeah, we can hear him
2 enough for this.

3 RICK DeVERCELLY: Okay. I'll let you
4 guys communicate, and if you need me, I can provide
5 support.

6 JIM WIGGINS: Chuck, we want to know what
7 (inaudible) -- this was immediate. The Chairman said
8 "an immediate need," immediate meaning he wants it in
9 a half an hour, and it has to do with two or three
10 things that you might be able to help us with. One
11 is actually something that only you can help us with.

12 [REDACTED]
13 [REDACTED]
14 [REDACTED]
15 We need to know what, what the Chairman
16 wants to know what have you told the Japanese.

17 (Conference call interrupted by ops
18 officer and a caller on the bridge.)

19 (Extraneous content omitted.)

20 JIM WIGGINS: Okay, this is the ETs. Is
21 Chuck on the line?

22 CHUCK CASTO: I can hear you. Go ahead.

23 JIM WIGGINS: The Chairman has an
24 immediate need, meaning less than a half an hour but
25 probably more like 10 minutes. We need to hand him a

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Can you help us? Chuck.

CHUCK CASTO: We work last night with, and showed the, the design, the conceptual design, and compared it to theirs. And then I, John Monninger and Jack Foster and them met in the Okura Hotel last night about midnight, 12:30 to go over the details of that design. I don't know if they provided them the list of equipment or not. But we went over details of that design with them.

I didn't go to the meeting, so I don't know how much of that list they provided. John Monninger would be able to answer all those questions. But we told them that this is the design you need to implement, and that's all I know other than, and how many people it would take. I, I don't know have idea how many people it would take. I don't know if we told them that.

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1 JIM WIGGINS: Okay. We're going to give
2 them several hundred and go from there. You got a do
3 it times four plus oversight and radiation
4 protection, and you've got to do tag teams in order
5 to get it in place.

6 CHUCK CASTO: We went through all that.
7 You know, we went through all that. Now, I don't
8 know -- we have a list of equipment. I don't know if
9 John actually gave it to them or not.

10 JIM WIGGINS: Yeah, we have the equipment
11 also. I guess, I guess we're going to have to wake
12 up John then.

13 RICK DeVERCELLY: Once this is done, I
14 can call John and get back to you.

15 MALE PARTICIPANT: Do you want me to call
16 John now?

17 JIM WIGGINS: Okay. Let's, let's do
18 that.



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1 we provided them.

2 JIM WIGGINS: I think this is more like
3 specific tasks -- 'You ought to be doing X, you ought
4 to be doing Y, you ought to be doing Z.'

5 CHUCK CASTO: I think there was, I think
6 just getting water in the spent fuel pool was the
7 primary instruction.

8 JIM WIGGINS: Okay. That's good enough.

9 CHUCK CASTO: I can't remember anything,
10 specific tasks, of anything else that we told them to
11 do.

12 JIM WIGGINS: That's, that's good enough,
13 Chuck. Thanks.

14 MALE PARTICIPANT: Okay, we've got John
15 Monninger on another line.

16 JIM WIGGINS: Okay. Get them on this
17 one.

18 Chuck, if you want to drop off, that's
19 fine.

20 CHUCK CASTO: I want to listen to this.

21 RICK DeVERCELLY: Chuck, Chuck doesn't
22 need to go. We've got another phone that we're going
23 to bring up close.

24 JIM WIGGINS: All right. Get Monninger
25 in.

1 MALE PARTICIPANT: Trains -- I'm going to
2 need to get this on paper.

3 CHARLIE MILLER: We have a recording and
4 everything.

5 JIM WIGGINS: It needs to be on paper,
6 something tangible somewhere.

7 RICK DeVERCELLY: (Inaudible) related to
8 communications to the Japanese.

9 HOO: ET Bridge, can you hear John?

10 JIM WIGGINS: John, say something and see
11 if we can hear you.

12 (No response.)

13 JIM WIGGINS: We can't hear you, John.

14 We're not hearing him.

15 (Standby.)

16 JIM WIGGINS: John Monninger, are you on?

17 (No response.)

18 JIM WIGGINS: Ops Officer, are you there?
19 Did we lose everyone?

20 HOO: I've linked him, but I guess they
21 just dropped off.

22 (Extraneous content omitted.)
23

(CONFERENCE CALL INITIATED.)

3:15:59/3:28:22

RICK DeVERCELLY: ET Bridge, this is Rick DeVercelly, Japanese team.

JIM WIGGINS: Yes.

RICK DeVERCELLY: Hey, we've got John Monninger and Chuck on other lines. Everybody share information and make sure you can hear each other.

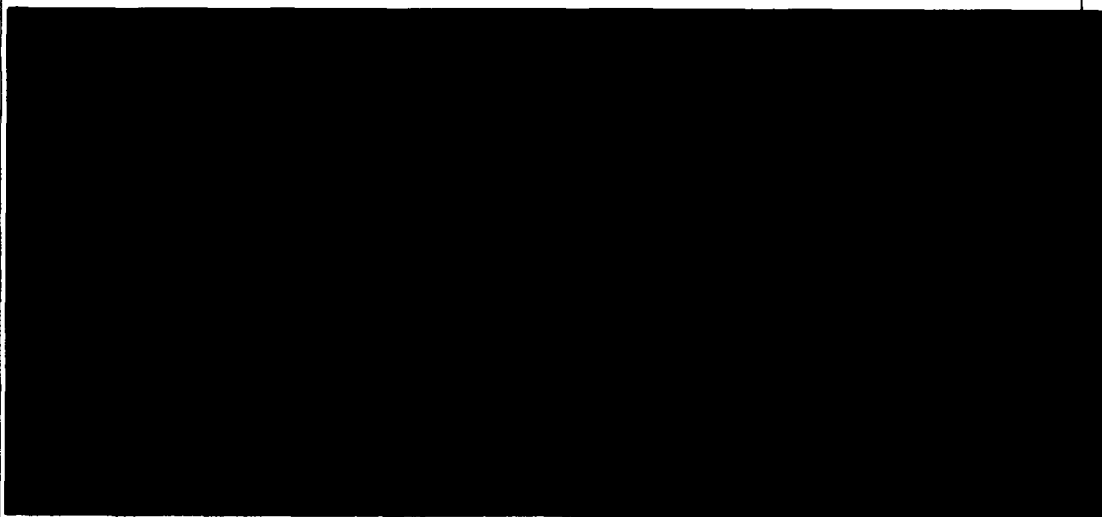
JIM WIGGINS: Okay. This is, this is the ET. John Monninger wants to say something so we can see if we can talk to you.

JOHN MONNINGER: This is John here.

JIM WIGGINS: Okay, good.

And Chuck, can you hear us?

CHUCK CASTO: Yes. I can hear.



JOHN MONNINGER: We, we had the call with the Japanese that ended approximately an hour and a half or so ago. Since then, we have not talked to

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1 the ambassador.

2 The call focused on us sharing with the
3 Japanese our system that had been, you know, by
4 Bechtel and company for the proposed spent fuel
5 cooling system. Also, the Japanese shared their
6 proposed system with the team. There were
7 discussions back and forth on the merits and any
8 potential engineering areas of consideration in those
9 proposed designs.

10 In the end, Tepco indicated that -- well,
11 first off, Tepco said this was the first time they
12 had heard about the US-proposed pump system. We said
13 that is probably true. You know, however, we had
14 been working or trying to work with, you know, Tepco
15 for a while, and this was potentially the second
16 meeting. But then we shared with them that this
17 system had been developed through the consultation of
18 NISA and NETI over the past, you know, four or five
19 days.

20 JIM WIGGINS: Yeah, okay. But John, just
21 cut to it. Have we given them anything in paper, any
22 hardcopy, anything in terms of this design?

23 JOHN MONNINGER: No. We haven't given
24 them any hardcopy pieces of paper.

25 JIM WIGGINS: We talked them through it?

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1 JOHN MONNINGER: We, we talked them
2 through it. They gave us paper. They gave us paper
3 of their proposed design.

4 JIM WIGGINS: Okay. Now, if we were to
5 give the Bechtel drawing that I'm looking at plus the
6 bill of materials that we think our RST has, would
7 that pretty much be consistent with what you told
8 Tepco? You would have walked them through that?

9 (No response.)

10 JIM WIGGINS: John?

11 JOHN MONNINGER: (Inaudible) the bill of
12 lading for our design.

13 JIM WIGGINS: Yes.

14 JOHN MONNINGER: They understand that all
15 the equipment in the Bechtel design is being put
16 together and shipped from Australia.

17 JIM WIGGINS: Yes. Yeah, yeah, I
18 understand. But if we told them this is the list of
19 equipment that would be necessary in order to
20 implement that Bechtel design, you, you walked them
21 through those things; right?

22 JOHN MONNINGER: No.

23 JIM WIGGINS: You must have told them you
24 need four pumps per train, you need so much, so many
25 feet of piping or hoses or whatever. Did you do

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1 that?

2 CHUCK CASTO: We show them a rough
3 drawing of that in the, in the Conte meeting.

4 JOHN MONNINGER: And, and we told them
5 that our system that was developed included four
6 trains, 700 meters of pipe, you know, four
7 submersible pumps, whatever, but we did not ask them
8 to provide any of that. He said that's what's being
9 shipped up.

10 JIM WIGGINS: Okay. Good. Any other
11 activities beyond that, that we had asked for or told
12 them that they ought to be doing?

13 JOHN MONNINGER: No. We didn't ask for
14 anything. We offered to provide assistance to them
15 for the design.

16 JIM WIGGINS: Did we, did we --

17 JOHN MONNINGER: There are two --

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25 JOHN MONNINGER: As we understand that,

1 they are an experienced engineer company. We see
2 their design that they're proposing, there, there is
3 a lot of very similar aspects to their design and the
4 design we are proposing. And it looks like it has
5 merit.

6 There were questions -- what goes first?

7 We said, you know, in our opinion, it makes sense
8 for them to continue their design and it makes sense
9 for us to continue trying to get this equipment up
10 here from Australia.

11 JIM WIGGINS: Okay. All right --

12 JOHN MONNINGER: If, in the end, this
13 equipment gets up here and Tepco has already put in
14 their system, then they could have this other stuff
15 setting aside to do whatever they wanted to do in the
16 long-term.

17 CHUCK CASTO: This is Chuck. Let me say
18 that Jim Trapp and them have told them all that we,
19 NETI and --

20 JIM WIGGINS: Okay, let me ask this.
21 Last one. Have you had any discussions or -- no --
22 do you have any guesstimate about the number of
23 people Tepco would have to have on site in order to
24 implement the options that you've suggested that they
25 consider or continue?

1 JOHN MONNINGER: In my discussion with
2 them on the Bechtel design, there was no discussions
3 on the number of people that were required, would be
4 required in order to implement it, that or where
5 those people would come from, in my three-hour
6 discussion with them.

7 JIM WIGGINS: Do you have a -- now, if
8 we, if we were to try to answer that question, which
9 we're being asked to answer, are, the answer that
10 we've worked for so far is we would anticipate that
11 it, in order to do these four plus other things and
12 manage it, have the HP support necessary to allow
13 people to work in these high rad fields that allow
14 the tag, to provide for tag teams to work this since
15 you weren't going to have one team, have multiple
16 teams, you were going to have multiple teams on
17 multiple trains?

18 We were guesstimating that there would be
19 probably the low hundreds that would be needed. Our,
20 is that closer to being -- we don't want to be on the
21 high side of right.

22 JOHN MONNINGER: I, I, I personally have
23 not seen our system at all. I haven't seen the
24 Bechtel write-ups and there was no discussions in the
25 three-hour meeting that I had with them regarding

1 their power, regarding radiation control, et cetera.

2 What we did mention is we previously,
3 earlier in the day, got information from the ET
4 regarding a remote-controlled helicopter capable of
5 carrying 5,000 pounds. We mentioned that anything
6 that is done on the site, including this project,
7 that that helicopter may be of interest to anyone
8 working on these projects, but we did not talk about
9 people, we did not talk about rad control, et cetera.

10 CHUCK CASTO: They talked about rad
11 control at konti with them, that they would have to
12 put up a shield, they would have to put up a
13 radiation shield first and then stage the people to,
14 to put in the sections of the pipe.

15 JIM WIGGINS: Yeah.

16 CHUCK CASTO: We, you know, I don't think
17 we have an estimate on the number of people that it
18 would put in there.

19 JIM WIGGINS: Unfortunately --

20 CHUCK CASTO: (Inaudible) the stay time.
21 We did talk to them about lead lining the
22 fire trucks, putting lead on the side of fire trucks,
23 improving the stay time.

24 JIM WIGGINS: Okay. Once we have the --

25 CHUCK CASTO: We've -- you know, one of

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1 the things, Jim, Tepco wouldn't meet with us all
2 week. And, and they canceled just yesterday, before
3 we had this big meeting. They canceled the meeting
4 that was scheduled to be with them. And we, we went
5 to the Tepco meeting to meet with the Tepco people a
6 number of times during the week, and only people who
7 showed up were METI and the regulator.

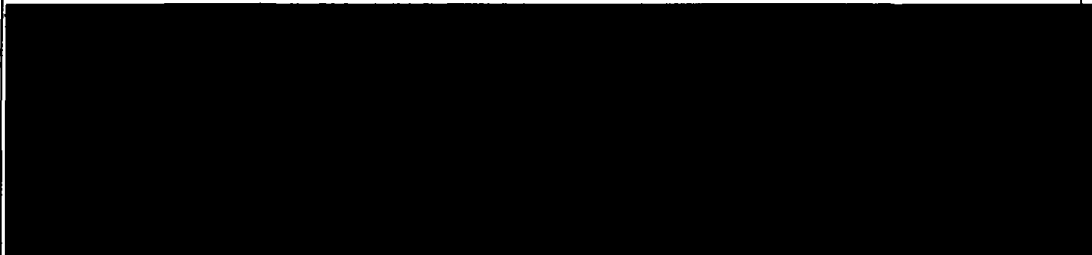
8 [REDACTED]
9 [REDACTED]
10 [REDACTED]
11 [REDACTED]
12 [REDACTED]
13 [REDACTED]
14 [REDACTED]
15 CHUCK CASTO: It's a list of --

16 JIM WIGGINS: That was -- we've
17 attempted, we tried to tell him everything you guys
18 have been telling us.

19 You know, we understand the
20 practicalities also. We've been in the business for
21 a pretty long time too. We understand that but we've
22 not been successful in moving him off that mark.
23 This is what he wants. So we're going to do what
24 staffs do. When he says he wants it, we're going to
25 give it to him.

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1 So what I intended to --



5 Plus, you guys have a list of goods.

6 Right?

7 JIM WIGGINS: We believe we do. We're
8 going to get the list of goods that Laura's got that
9 we have in RST. We're going to use that. That's
10 going to be one piece of paper. We're going to use
11 the Bechtel drawing as the second piece of paper and
12 then we're going to, we have, we have a textual
13 discussion about manpower. We're going to end it up
14 by saying we would be surprised if it would take less
15 than several hundred people to pull this off because
16 --

17 CHUCK CASTO: I think we --

18 JIM WIGGINS: -- potentially.

19 CHUCK CASTO: I think we told MOD for
20 days that we had the, that we had the design, that we
21 had, you know, a, a pumping system.

22 JIM WIGGINS: Okay.

23 CHUCK CASTO: In the MOD meetings.

24 JIM WIGGINS: Okay. I, I understand.
25 I'm sorry to wake you guys up, but we've got about

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1 minus two minutes to finish this at this point. So,
2 all right, I, I understand that there was no specific
3 discussion with regard to manpower, materials, or
4 tasking with the Japanese. Right? We talked them
5 through the Bechtel design. They talked us through
6 their design for the --

7 CHUCK CASTO: Correct.

8 JIM WIGGINS: -- pumping systems.

9 But in terms of specifics of materials
10 necessary or any kind of assessment of people that
11 they would need to take it on, we had no specific
12 discussions in that regard. Right? So any
13 discussions that the Chairman would have with the
14 ambassador would be the first of those, is that true,
15 at that level of specificity? That's what I'm
16 hearing.

17 JOHN MONNINGER: That's correct, in the
18 discussions I was in.

19 JIM WIGGINS: All right. Well, Borchardt
20 should be in here in a couple minutes to pick up this
21 material. I, I don't know if you want to go back to
22 bed or stick on the bridge and listen to the
23 discussion we have. It's up to you guys. You might
24 want to, you might, if you could stick around, he
25 was, he needed to be here. He probably got hung up

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1 in traffic.

2 Can you hold on for a bit?

3 JOHN MONNINGER: Yes. We can hold on.

4 JIM WIGGINS: Okay. You might hear us
5 ruminating over here.

6 (Extraneous content omitted.)
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(CONFERENCE CALL INITIATED.)

3:28:23/3:35:54

BILL BORCHARDT: Hey, Jim, Bill here.

JIM WIGGINS: Yeah.

BILL BORCHARDT: I'm just about to drive back into the garage, so if somebody can meet me down on P1 in Two White Flint, I'll pick it up and we'll --

JIM WIGGINS: Okay, here's what, here's what you need to hear, Bill. Chuck and John Monninger are on the line listening. Okay?

BILL BORCHARDT: Yep.

JIM WIGGINS: And in point of fact, there was really nothing in terms of specifics ever handed to any of the Japanese people that we've been talking to.

John had a meeting with, with the Tepco people and they had a mutual discussion of two designs. One was Tepco's and one was ours. So they just talked them through it without an exchange of paper. Okay.

BILL BORCHARDT: Yep.

JIM WIGGINS: Given that though, we do have the bill of materials necessary for the Bechtel design and we do have a Bechtel drawing, and that's

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1 what we're giving him.

2 BILL BORCHARDT: Right.

3 [REDACTED]
4 [REDACTED]
5 [REDACTED]
6 [REDACTED]
7 [REDACTED]
8 of specificity yet. Do you follow?

9 BILL BORCHARDT: Yep. I got it.

10 [REDACTED]
11 [REDACTED]
12 [REDACTED]
13 [REDACTED]
14 [REDACTED]
15 As close as we can, I can get in this, I
16 can say that we would be surprised if it would take
17 less than several hundred. It's like the low
18 hundreds, a couple, 300 people maybe, a couple
19 hundred because you're looking at four separate
20 trains.

21 First, you're just looking at this
22 particular pumping option. You've got four separate
23 trains that need to have people to install and
24 operate it in a high-rad field. So they're going to
25 need to install it in a tag team or they may have to

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1 erect shielding or something like that first before
2 they get to put this thing in place.

3 BILL BORCHARDT: Yep.

4 JIM WIGGINS: Then you're going to need
5 HP support because people are working in those field.

6 You've got to try to manage exposures, even if
7 you're managing at the emergency level. And those
8 people would have be in a tag team too because you'd
9 burn them up also.

10 BILL BORCHARDT: Yep. I got it.



21 BILL BORCHARDT: Well, I may recommend

22 I'm going to recommend that we not hand it over, but

23 --

24 JIM WIGGINS: I tried that twice, and the
25 boss didn't buy it.

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1 BILL BORCHARDT: Yeah, but I, we have
2 more data now, and maybe he'll buy it in a
3 face-to-face conversation.

4 JIM WIGGINS: Okay.

5 BILL BORCHARDT: Has the person left
6 who's going to deliver to me?

7 JIM WIGGINS: No. The person is still
8 typing it.

9 BILL BORCHARDT: Oh, okay. All right,
10 have him, have him print out two copies so that we
11 can be looking at one --

12 JIM WIGGINS: Okay.

13 BILL BORCHARDT: -- if we end up having
14 it, to hand it over. Okay, so I'll meet somebody on
15 P1.

16 JIM WIGGINS: P1, all right.

17 BILL BORCHARDT: Thanks. Bye.

18 JIM WIGGINS: John, you heard that;
19 that's okay?

20 JOHN MONNINGER: Yeah, but I think it was
21 partial information because I don't know what Tim
22 told, you know, has told the Japanese, and I don't
23 know what Jim Trapp has told the Japanese. I know
24 they, they talked with MOD about it.

25 JIM WIGGINS: Yeah, I understand.

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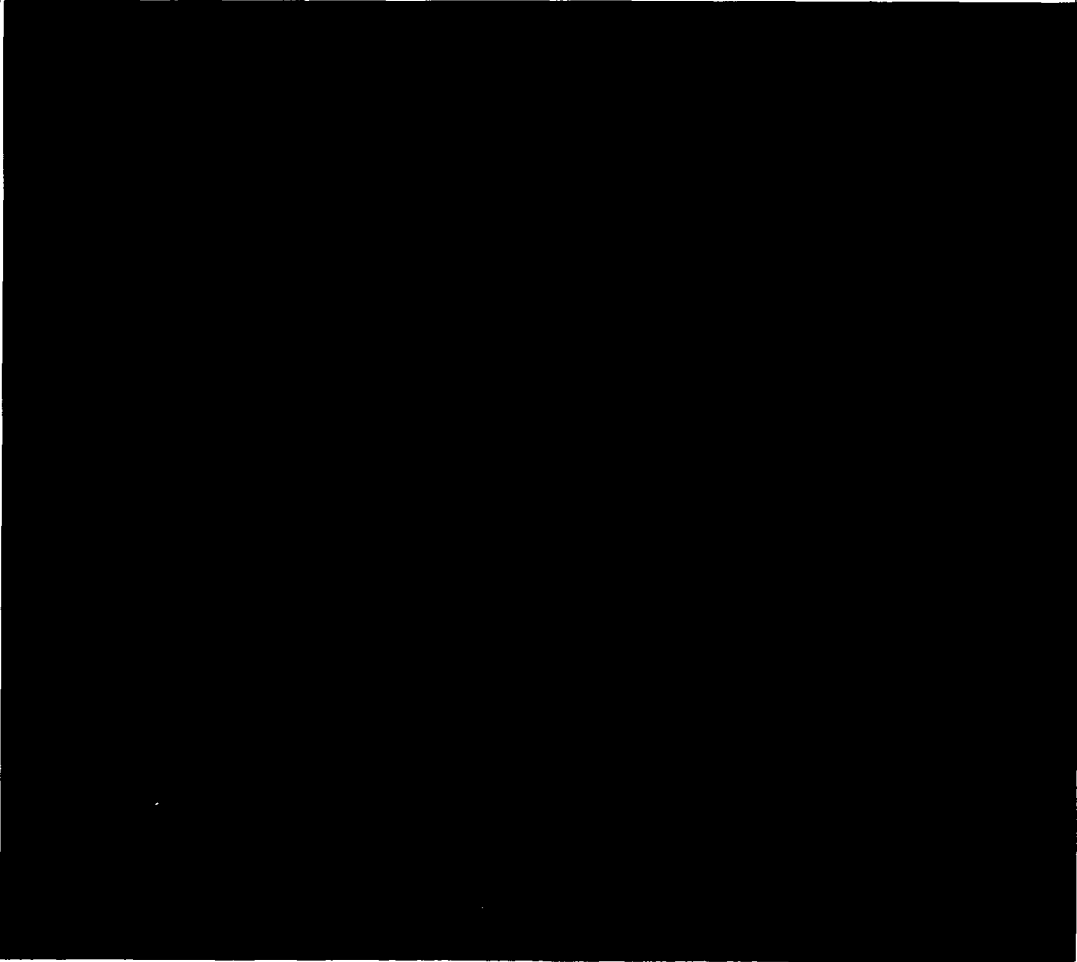
1 JOHN MONNINGER: So, but we've had a
2 firewall up all week with Tepco. But who knows what
3 Tim, who was working on this a lot, and Jim have told
4 the Japanese. We weren't in all the meetings, so we,
5 we really don't know. All we know is the meeting
6 last night was the first meeting we had with Tepco,
7 certainly, the pumping people.

8 JIM WIGGINS: Okay, Chuck. Just hold a
9 second.

10 JOHN MONNINGER: Can I say something,
11 please?

12 JIM WIGGINS: Yes.

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1 And, you know, Bill Borchardt will try to talk him
2 through parts of this thing.

3 BRIAN McDERMOTT: This is Brian. Is Bill
4 Borchardt still on the line?

5 JIM WIGGINS: No, he's waiting
6 downstairs.

7 TIMOTHY KOLB: Jim, this is Tim Kolb
8 calling. I'm on the line here. I have not told MOD
9 anything. The only thing we've tried to set up is,
10 is making sure we could get the equipment on the
11 delivery spot and ready to go for training.

12 JIM WIGGINS: Make sure he told me he
13 needed two copies. Three, yeah, one for the
14 Chairman, one for Bill, and one for the Japanese.

15 TIM KOLB: ET bridge?

16 JIM WIGGINS: Yes.

17 TIM KOLB: Yes, this is cold calling.

18 JIM WIGGINS: Yes.

19 TIM KOLB: As part of telling the
20 Ministry of Defense anything, when I left last, the
21 last thing I told them, tried to do was set up to
22 make sure they had personnel --

23 JIM WIGGINS: You cut out, Tim.

24 MALE PARTICIPANT: That's the phone.

25 RICK DeVERCELLY: He's not cutting out.

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1 [REDACTED] 5
2 [REDACTED]
3 [REDACTED]
4 [REDACTED]
5 TIM KOLB: We didn't talk about equipment
6 types at all or any specificity of, of what we
7 needed to move.

8 JIM WIGGINS: Okay.

9 CHUCK CASTO: Did you talk to them about
10 the design, Tim?

11 TIM KOLB: No. We didn't, we didn't have
12 any design picture with these meetings, and, and this
13 meeting was only the ones I attended with John
14 Monninger.

15 JIM WIGGINS: Okay. But I think, so it
16 sounds like we all are in, the site team in Japan is
17 all in agreement that we did not give specific stuff
18 to the Japanese. That's fine.

19 TIM KOLB: Correct.
20 [REDACTED] 5
21 [REDACTED]
22 [REDACTED]
23 [REDACTED]
24 [REDACTED]
25 [REDACTED]

1 [REDACTED] Okay? So he needs to understand that
2 so he figures out how he wants to play it.

3 All right. I guess there's not much for
4 us to do at this point. You guys, you guys need
5 anything other than for us to stop bothering you?

6 JOHN MONNINGER: The first thing you
7 mentioned.

8 JIM WIGGINS: What was that?

9 JOHN MONNINGER: A hundred hours' sleep.

10 JIM WIGGINS: Yeah, okay. Well, we'll
11 try to procure some sleep for you and send it out
12 there.

13 Sorry about that. All right, guys, why
14 don't you just go back and catch some rest as best
15 you can. Sorry.

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(CONFERENCE CALL INITIATED.)

3:36:10/3:37:09

BOBBI WARREN: Hi. This is Bobbi Warren in the Chairman's office. The Chairman is downtown with the Japanese ambassador. He never got the one-pager that he needs desperately. What, what's going on? I guess he needs to get an email directly to him right now.

BRUCE BOGER: Okay.

BOBBI WARREN: Is that right?

BRUCE BOGER: Do we, do we have an email address?

BOBBI WARREN: The Chairman, to his regular e-mail address.

BRUCE BOGER: All right.

BOBBI WARREN: Gregory.Jaczko@NRC.gov and Josh Baskin at NRC.gov, Josh.Baskin.

BRUCE BOGER: Will do, Bobbie. This is Bruce.

BOBBI WARREN: I mean, it's done; right?

FEMALE PARTICIPANT: Yeah, it's on its way down with Borchardt right now.

BOBBI WARREN: Okay. Well, all right. But he, yeah, he needs it desperately, so if you can --

1 FEMALE PARTICIPANT: It's on its way.

2 BOBBI WARREN: Okay. Thank you.

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(CONFERENCE CALL INITIATED.)

03:37:14/03:38:08

BOBBI WARREN: Hi, Bruce.

BRUCE BOGER: Yes?

BOBBI WARREN: It did get sent; right?

BRUCE BOGER: Yes.

BOBBI WARREN: Okay, because the Chairman
doesn't have it. I mean, you went
"Gregory.Jaczko@NRC.gov", right?

BRUCE BOGER: Yeah. We're, we're
confirming. We . . .

(Off-mic information.)

BRUCE BOGER: All right, we were trying
to get the last file. Should we just send what we
have?

BOBBI WARREN: Send -- yes, send, send
something. And then if there's another piece, yeah,
keep sending. But send him stuff, please. He's
going crazy.

BRUCE BOGER: All right. He should
receive it shortly. We're trying to be complete
rather than fast.

BOBBI WARREN: I know. We need fast.

BRUCE BOGER: Okay.

BOBBI WARREN: Yeah, so if there's any

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1 issues at all, please call me back at my number,
2 8044.

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(CONFERENCE CALL INITIATED.)

03:38:21/03:57:39

BRUCE BOGER: Go ahead.

JOHN MONNINGER: Hey, Jim and company,
are you guys there?

BRUCE BOGER: Yeah, John, this is Bruce
Boger. I'm --

JOHN MONNINGER: All right, Bruce, are
you ready? Were you on the call that we had with Jim
and Company about an hour and a half ago?

BRUCE BOGER: I was.

JOHN MONNINGER: We would like to provide
what we think is the potential -- what do we want to
call it? -- the potential story behind the
questions. Are you ready?

So Bechtel worked the design with
Headquarters and NRC liked the design. We then moved
forward with the design through the embassy, through
DTRA and all the organizations down here.

You got it so far?

BRUCE BOGER: Yes.

JOHN MONNINGER: The embassy and DTRA and
all -- the equipment was dispersed throughout
Australia. They said this stuff, purchasing
department, the commerce department here at the

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1 embassy, et cetera, said this stuff looks like it can
2 be, it can be procured locally.

3 BILL COOK: Right. This is -- Bruce,
4 this is Bill Cook -- and that transpired about five,
5 5:30 --

6 JOHN MONNINGER: Right.

7 BILL COOK: -- during a briefing with the
8 ambassador here. And they were, all their heads got
9 together and said, hey, we should be able to get this
10 up in country.

11 JOHN MONNINGER: Yeah. So, so with that,
12 the, the various agencies that work down here at the,
13 at the embassy took that list and started making
14 phone calls. We do not know exactly who they talked
15 to, but they were trying to see if they could pull
16 together a package within Japan such that this NRC
17 system could be put together much quicker than the
18 time lines we were getting from Australia.

19 JOHN MONNINGER: Right. It was the
20 commerce attaché here in Tokyo that made probably a
21 dozen phone calls to local suppliers. And in making
22 those phone calls, they contacted one company that
23 had put together a pumping system for the Tokyo Fire
24 Department.

25 JOHN MONNINGER: So, did you follow that?

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1 So when they called one of these companies, that
2 company said, a-ha, we have also been working for
3 Tepco and the Japanese and putting together a very
4 similar system. It is then when we realized that
5 Tepco had a potential plan. The potential plan that
6 Tepco was pursuing was very, very similar to ours.

7 BILL COOK: We're not sure that it was
8 Tepco though.

9 JOHN MONNINGER: Oh, okay. I'm sorry.

10 BILL COOK: It could have been at the
11 request of, of the Tokyo -- excuse me -- the Japanese
12 government.

13 JOHN MONNINGER: Yes.

14 BILL COOK: It's just, it's really clear
15 as mud as far as who actually --

16 JOHN MONNINGER: Right.

17 BILL COOK: -- initiated that, that plan.

18 JOHN MONNINGER: Yeah. In the end, in
19 the end, it was determined that we cannot rely on
20 doing it locally. We have to go with the sure thing,
21 which is Australia, and they gave the go-ahead for
22 Australia. Okay?

23 BRUCE BOGER: Yep.

24 JOHN MONNINGER: So, so big-picture wise,
25 it is correct that no NRC personnel in Japan

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1 countries, Japan government, et cetera, for all this
2 equipment that may, that was on our list. What that
3 said, though, there's probably a good chance that the
4 discussions with the Commerce Department at the
5 embassy was taken to be that. And you know, the US
6 government is the US government. It doesn't matter
7 whether they have the title NRC or Commerce or
8 something else. They're all the same. That's our,
9 that our hypothesis.

10 BILL COOK: That's our story and we're
11 sticking to it.

12 BRUCE BOGER: Okay, so no direct NRC
13 conveyance of the, the, the parts list and drawing,
14 but it might have come through another aspect of the
15 United States government.

16 JOHN MONNINGER: Yes. No direct NRC, but
17 100-percent direct from the embassy, Commerce, et
18 cetera. So it, it doesn't help it. It's a
19 technicality whether it was the NRC or the Commerce.

20 BILL COOK: Yeah, Bruce --

21 JOHN MONNINGER: For us, it's important,
22 but for the US and Japan, it's immaterial.

23 BILL COOK: Yeah, the Commerce attaché
24 had that list of equipment that was put together by
25 Bechtel. It's a list of 14 items, and I'm, I'm

1 relatively confident that what they did is they faxed
2 that to these local companies to see if they had
3 these types of pumps or pipes or hoses or a, you
4 know, comparable size, shape, form. And the
5 speculation is that that word eventually got back to
6 the, the Japanese government.

7 BRUCE BOGER: Okay. So I think it's
8 important, you know, for the Chairman to know, or
9 Bill Borchardt, that this is probably the root of
10 these questions that somehow are occurring with the
11 Japanese ambassador and between the US and all that
12 kind of stuff.

13 JOHN MONNINGER: Okay, now in terms of
14 the manpower issue, I don't know where that, you
15 know, that, that line of questioning came from. Our,
16 our guidance to Bechtel was, this system has to be,
17 you drive the thing in, you get out. Everything has
18 to be put together in advance. It's pre-staged, et
19 cetera.

20 So, if that results in, you know, the
21 number that Jim was throwing around earlier to us, we
22 don't know, but our system was meant to be very
23 low-manpower to install. And then also what happened
24 to help the (inaudible) take that, we get the lead
25 from you guys last night on this helicopter from, the

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1 helicopter in, in New England that can lift 5,000
2 pounds So, you know, we did mention this helicopter,
3 et cetera, but we didn't talk anything about what it
4 would take to install it.

5 And we mentioned such things like this
6 helicopter when, today, we're going to meet with the
7 Ministry of Defense and the president and CEO of
8 Tepco. We're going to identify such things as, this
9 helicopter is available for, from Lockheed, Lockheed
10 Martin, I believe it is. And, you know, and, and,
11 you know, if they decide to avail themselves of it,
12 they do. What we tried to do to potentially grease
13 skids is --

14 CHUCK CASTO: We did, we did give them
15 that list, summary list to the Ministry of Defense
16 yesterday.

17 JOHN MONNINGER: Yes -- Chuck's here too.

18 You know, and then we're telling them to
19 give them to the Commerce department within the
20 embassy, and went out locally, trying --

21 CHUCK CASTO: They were shopping.

22 JOHN MONNINGER: -- trying to find it
23 locally.

24 CHUCK CASTO: They, they -- that's how we
25 found out the Tokyo Fire Department had bought the

1 stuff.

2 JOHN MONNINGER: Right. So, while it's
3 true -- it's true, we didn't ask the government or
4 the infrastructure to provide it. It probably came
5 across the Commerce Department and the Japanese.
6 It's all one thing, the NRC, the Commerce, embassy,
7 et cetera. And we handed the summary of the list to
8 the Minister of Defense with the ambassador yesterday
9 in the Ministry of Defense building.

10 JOHN MONNINGER: But, you know, and those
11 discussions there were we were bringing the assets
12 in, proposing to bring (audio interference).

13 BRUCE BOGER: Yeah, I think there was an
14 interest in just making sure that what the Chairman
15 was providing the Japanese embassy was in concert
16 with what you guys have been telling folks over
17 there. So I don't think he was trying to figure out
18 how it got to the other folks but to make sure that
19 were at least consistent within the agency.

20 JOHN MONNINGER: Yeah, I guess it was a
21 long day and I was in a little little bit of a
22 defensive posture. I, I, I felt the line of
23 questioning being we're trying to misdirect or
24 redirect, you know, the infrastructure, resources,
25 whatever.

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1 BRUCE BOGER: The purest of intent, John.

2 JOHN MONNINGER: Yeah. Yeah. We wanted
3 make sure you guys got that information.

4 BRUCE BOGER: We'll communicate with the
5 others to make sure they understand, at least have
6 this information available to them.

7 JOHN MONNINGER: Yeah, and we weren't
8 able to get -- it was actually a -- it wasn't good up
9 front, the first 45 minutes with Tepco. But in, in
10 the meetings ultimately we got to the discussing the
11 design, and it was productive, and engineers talked
12 to engineers and they were trying to assist each
13 other and identify potential weaknesses and strengths
14 in each other's design. Okay?

15 BRUCE BOGER: Yes.

16 JOHN MONNINGER: Yeah, the other thing we
17 said, and we haven't debriefed either with Chuck, was
18 for the Japanese design, it requires the concrete,
19 massive concrete pumping trucks. They got the idea
20 from building the sarcophagus at Chernobyl. But
21 these concrete pumping trucks are used every place.
22 It's got a 65-, 60- or 65-meter boom or something
23 like that. They have two in country, two of them in
24 the country, that they are proposing to use. We
25 went, you know, pretty significantly back and forth

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1 with the notion, you really should try to get four
2 here because once you position it at Unit 1, the boom
3 isn't long enough to get to Unit 2, so they've going
4 to have to be moving this thing with dose, et cetera.

5 And we, went into a line of questioning,
6 where else within the world is this equipment? And
7 the only response they gave was, probably other place
8 that they said, two brand-new ones are in China. It
9 was owned by -- it was a private company. It wasn't
10 Chinese government.

11 So we said, you know, we would see what
12 we could do about that. Well, they had said, you
13 know, could you assist with getting that kind of
14 stuff here? So we said, you know, we would try to
15 run down some stuff on that.

16 CHUCK CASTO: It's kind of related, but
17 is somebody on your team on the phone call with the
18 Reactor Safety Team?

19 BRUCE BOGER: Yeah. It's two people
20 next-door. We got a second phone now.

21 CHUCK CASTO: Yeah, because they were, I
22 thought one of the areas of discussion on that phone
23 call with related to logistical support, and there's
24 a, has been an offer of assistance from the Navy to
25 use some of their assets to move things around.

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1 That, they're talking about that.

2 So, related back to your last though
3 about things in China, we'll have to see how that
4 pans out.

5 JOHN MONNINGER: Yeah, DART can move that
6 stuff too. You know, I think the thing is here, we
7 have connections with these people who do all the
8 transportation, infrastructure, so we've got to run
9 it through them.

10 BRUCE BOGER: No, no. I'm just trying to
11 share what I know is going on, what I think's going
12 on in the other room.

13 JOHN MONNINGER: Well, you probably, you
14 know, you'll usually find that the Embassy prefers
15 DART.

16 MALE PARTICIPANT: Is that Joe?

17 JOHN MONNINGER: Yeah, Joe.

18 So we pull in Joe in all these
19 discussions.

20 CHUCK CASTO: You know, that's what they
21 pay those guys for and that's what, why they're here
22 at the Embassy. And they do it all the time and they
23 do really big stuff in big quantities all the time.

24 MALE PARTICIPANT: Yeah.

25 CHUCK CASTO: So they feel, they often

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1 feel like you're, you know, saying they can get the
2 job done if you go outside.

3 I'm just giving you background. We can
4 do whatever we want to do, but I'm just giving you
5 background. Sometimes you're stepping on toes if you
6 don't let DART have a shot at it first.

7 BRUCE BOGER: Yeah. Okay. Point well
8 taken.

9 CHUCK CASTO: Everybody, everybody wants
10 to help. You know, we've got hundreds of offers of
11 help from different agencies and organizations and
12 stuff, but, you know, we've got to take care of the
13 embassy here, too, because that's who, that's who
14 pays our check.

15 BRUCE BOGER: Okay, yeah. We'll make
16 sure we convey that along, see if anybody wants to
17 help.

18 MALE PARTICIPANT: I had a question from
19 the, the earlier phone call, and I the impression --
20 this is -- I think I heard John say or indicate that
21 the in-country or the Tepco design or system might be
22 ready sooner than the one that's coming from
23 Australia now.

24 JOHN MONNINGER: That is, that -- you
25 know, it's either earlier or later. We believe

1 conceptually it's earlier because it's in country and
2 all that kind of stuff and Tepco has been working it.

3 BRUCE BOGER: Is that the one that uses
4 the, the concrete sluice?

5 JOHN MONNINGER: Yes, that's the one that
6 uses the concrete (inaudible).

7 BRUCE BOGER: Okay.

8 JOHN MONNINGER: Instead of concrete,
9 they're going to pump water.

10 BRUCE BOGER: Yep. Okay.

11 JOHN MONNINGER: Yep.

12 BRUCE BOGER: What, what is on your plate
13 today priority wise, and what can we do to support
14 it?

15 CHUCK CASTO: Well, our priority
16 continues to be the pumping, but --

17 BRUCE BOGER: Okay.

18 CHUCK CASTO: -- this morning we have the
19 ministers of somebody, the Minister of Trade, and CNO
20 of Tepco and the CEO of Tepco. That's first thing
21 this morning.

22 JOHN MONNINGER: Also, meeting with the
23 Ministry of Defense this morning, the minister, and
24 also a meeting with the general of --

25 CHUCK CASTO: The Big guy.

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1 JOHN MONNINGER: -- of Japan Forces, not
2 US general, Japan Forces, but Japan general.

3 CHUCK CASTO: It's a Joint Chiefs of
4 Staff guy.

5 JOHN MONNINGER: Yeah, for Japan.

6 CHUCK CASTO: For Japan. We've met with
7 him before. He's a good guy.

8 DONNA: John?

9 JOHN MONNINGER: Yo.

10 DONNA: This is Donna. We did hear that
11 the Japanese ministry was going to get us some dose
12 rates. I don't know if that's coming from you or
13 through another channel. I just wanted you to be
14 aware of that if you can, have an opportunity to ask
15 them.

16 JOHN MONNINGER: Okay. Dose rates?

17 DONNA: Correct, and that we were going
18 to look at the usefulness and see if that's necessary
19 to share with some of the other countries.

20 JOHN MONNINGER: So where do you think
21 that request went to?

22 DONNA: The Japanese Ministry. Those are
23 the folks you're meeting with today.

24 JOHN MONNINGER: Well, there's like a
25 gazillion ministries. They're just like DOE and

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1 Department of State in the NRC and FCC.

2 Right? Is that how they're set up?

3 MALE PARTICIPANT: Yes. Just like a
4 cabinet.

5 JOHN MONNINGER: Yeah, so it's their
6 cabinet level.

7 CHUCK CASTO: Any, any department in the
8 department in the government is a ministry.

9 JOHN MONNINGER: But we'll ask our team
10 here.

11 DONNA: Maybe you can ask whoever you're
12 talking with about the, is that information
13 available.

14 CHUCK CASTO: Yeah, it may well be the
15 science ministry.

16 JOHN MONNINGER: Yeah, well, we chatted
17 about that before, and from Tepco, we -- I think it
18 was from Tepco, but things are going pretty quick --
19 but there's, you know, there's your typical SOR, you
20 know, plan schematic, plant layout, whatever. They
21 had dose rates, but they're in such gross areas,
22 probably, you know, 40 meter by 40 meter, if it says
23 10 R/hour, that's not going to help you at all.

24 If you want to plan where you're running
25 this equipment, you need much, much, much finer

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1 granularity, and they can't go in and suck up the
2 dose now for that. That's why they want the robots
3 with these rad sensors to be able to map the site.

4 BRUCE BOGER: And that's working also, I
5 suppose --

6 MALE PARTICIPANT: Yeah.

7 BRUCE BOGER: We're, we're done with
8 excitement for the morning out here.

9 CHUCK CASTO: I tell you, one thing that
10 would be helpful -- this is Casto -- before we meet
11 with the CEO and the CNO and the minister, we
12 probably should have some -- what do you guys think
13 is the message to them?

14 BRUCE BOGER: I think they asked for this
15 so that -- they really wanted to do it last night
16 before the Chairman met with the ambassador so they
17 can say we were playing nice. But they couldn't pull
18 it off at 10:30 last night.

19 CHUCK CASTO: Well, the Chairman was
20 supposed to meet with (audio interference) go to the
21 Japanese Embassy a couple of hours, an hour and a
22 half ago, an hour and 20 minutes ago --

23 FEMALE PARTICIPANT: Four o'clock our
24 time.

25 BRUCE BOGER: -- four o'clock our time.

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1 We'll see if we can get some -- and Bill Borchardt's
2 with him. We'll see if we can't get some information
3 on some messages that he was sending so we can let
4 you know what those were.

5 JOHN MONNINGER: Yeah, that would be
6 helpful if we could get from the Chairman and
7 Borchardt, you know, maybe an outcome on what they
8 think we need to tell Tepco local here.

9 CHUCK CASTO: Okay.

10 (Extraneous content omitted.)

11 JOHN MONNINGER: All right. We're going
12 to hang up from you guys.

13 BRUCE BOGER: Okay. Thanks a lot. We'll
14 be here.

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19 (CONFERENCE CALL INITIATED.)

20 03:58:11/04:06:33

21 CHAIRMAN JACZKO: Hey, all. How are you
22 doing?

23 BRUCE BOGER: Good evening. Good
24 evening.

25 CHAIRMAN JACZKO: Hey, it's Charlie still

1 there, or is he doing turnover, did you do it
2 turnover?

3 DONNA ORDAZ: I'm here. This is Donna
4 Ordaz.

5 CHAIRMAN JACZKO: I'm sorry.

6 DONNA ORDAZ: Donna Ordaz is here.
7 Charlie has gone home.

8 BRUCE BOGER: And this is Bruce Boger.
9 I've taken over for Jim Wiggins.

10 CHAIRMAN JACZKO: Hey, Bruce, can you,
11 can you -- well, I talked to the PMT before about
12 some of these PMT runs and --

13 DONNA ORDAZ: Yes.

14 CHAIRMAN JACZKO: -- was a little worried
15 at some of the iodine deposition in Alaska. I, I
16 just talked to DOE again, and I think we have a
17 fairly good answer on that, namely that there is no
18 grass that grows in the Aleutian Islands.

19 TRISH HOLAHAN: Yes. This is Trish
20 Holahan. I was just briefing --

21 CHAIRMAN JACZKO: Oh, hey, Trish.

22 TRISH HOLAHAN: -- yeah -- I was just
23 briefing the ET on what's happened.

24 We had a call with [REDACTED] DOE
25 and NARAC about two hours ago and we clarified some

1 questions. They raised the question, as we had, that
2 the iodine dose of Alaska was pretty high because the
3 cows that, weren't, weren't on grass. So they
4 weren't eating grass. They were, you know, housed
5 internally. And even the water supply is internal
6 because they're not outside.

7 CHAIRMAN JACZKO: Yeah. Yeah.

8 TRISH HOLAHAN: So we eliminated that
9 dose. So it's basically down to the ground shine
10 dose, which in Alaska is 80 millirem.

11 CHAIRMAN JACZKO: Okay. Okay. Good.
12 That's good to know. Thank you.

13 TRISH HOLAHAN: 
14 
15 

16 CHAIRMAN JACZKO: Okay. Good.

17 TRISH HOLAHAN: But they're being housed
18 internally.

19 CHAIRMAN JACZKO: Okay. Good. So we're
20 pretty comfortable, then, with the statements that
21 I've made. Then again, I keep asking these questions
22 and I don't mean them to be leading questions.

23 I need you to tell me if -- if you ever
24 think they're wrong, you know, I've said something
25 wrong, please tell me. I don't want you not to tell

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1 me. I don't, I don't want you not to tell me. So
2 I'm not trying to ask these leading questions, but it
3 sounds like we're still comfortable with what I said.

4 TRISH HOLAHAN: Yes.

5 CHAIRMAN JACZKO: Okay. Good. Thanks.
6 I appreciate it very much.

7 DONNA ORDAZ: And Chairman, we're still
8 expecting those other results we mentioned on the
9 worst case, if you will, --

10 TRISH HOLAHAN: Yes --

11 DONNA ORDAZ: -- that we mentioned to you
12 earlier.

13 CHAIRMAN JACZKO: Yes.

14 DONNA ORDAZ: That information hasn't
15 arrived yet. Well, I mean, we haven't sent --

16 TRISH HOLAHAN: Do we have the source
17 information?

18 DONNA ORDAZ: I have the source
19 information. But I was going to (inaudible).

20 CHAIRMAN JACZKO: Okay. And for that,
21 are we going to fix this iodine problem at the
22 get-go?

23 DONNA ORDAZ: We are, were going to ask
24 NARAC to look at the availability of cows feeding
25 outside.

1 CHAIRMAN JACZKO: Okay. Good. All
2 right, well, thanks, everybody. I appreciate that.

3 And if you, Trish, if you get this this
4 evening, if you can maybe give me a call if it's not
5 before nine and just walk me through that.

6 TRISH HOLAHAN: Okay.

7 CHAIRMAN JACZKO: Are you on the new
8 shift or were you on the old shift?

9 TRISH HOLAHAN: I'm on the new shift.

10 CHAIRMAN JACZKO: Yeah, if you could give
11 me a ring when you get that, if you get them tonight,
12 if not, give me a call me tomorrow and walk me
13 through them.

14 TRISH HOLAHAN: Yeah, we wanted to walk
15 through the source term. I thought you wanted to see
16 the source term and the assumptions that we were
17 putting in before we sent it to NARAC.

18 CHAIRMAN JACZKO: Okay, good. Do you
19 want to walk me through that now?

20 TRISH HOLAHAN: Yes.

21 CHAIRMAN JACZKO: Okay.

22 TRISH HOLAHAN: They're performing dose
23 modeling for units of concern at the Fukushima
24 Daiichi site, three reactors and for spent fuel
25 pools.

1 CHAIRMAN JACZKO: Okay.

2 TRISH HOLAHAN: The dose analysis would
3 include, assume 100-percent core melt with
4 containment failure for the three reactors --

5 CHAIRMAN JACZKO: Okay.

6 TRISH HOLAHAN: -- And additionally
7 assumes that the four spent fuel pools are emptied of
8 water and all the spent fuel is melted, which
9 released the fission products in the environment.

10 CHAIRMAN JACZKO: Okay.

11 TRISH HOLAHAN: So we're going to send
12 the isotopes, assuming 100-percent core release and
13 three, four spent fuel pools and three reactors.

14 CHAIRMAN JACZKO: Okay. And this would
15 be truly be a truly, truly worst case, that basically
16 it's just not humanly possible?

17 TRISH HOLAHAN: Yes.

18 CHAIRMAN JACZKO: Okay. Is -- okay, so
19 we're just going to do this so we truly, truly know,
20 the kind of crazy thing that -- the meteor hitting
21 the earth at the same time as an asteroid strikes.

22 TRISH HOLAHAN: Yes.

23 CHAIRMAN JACZKO: Okay. Okay. So, yeah,
24 that's -- and that's what they want. They don't want
25 more realistic source terms for the reactors?

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1 TRISH HOLAHAN: That's what we were told
2 by the ET this morning to assume.

3 CHAIRMAN JACZKO: Okay. Okay. Good.
4 That's fine.

5 TRISH HOLAHAN: [REDACTED] 5
6 [REDACTED]

7 (Simultaneous conversation.)

8 CHAIRMAN JACZKO: Okay. Yeah, well, why
9 don't you say okay to that? I'll call, I'll call
10 D'Agostino.

11 My only -- you know, I just only worry in
12 a way that, why are we producing something like that
13 that just -- I mean, isn't it pretty, aren't we
14 really doing worst-case if we do something like the
15 reactor core we did for the last run?

16 TRISH HOLAHAN: Yeah. The last run was
17 what we initially thought was the worst case, and
18 then we said, well, really, we had to assume the
19 worst case, all reactors that were exploded --

20 CHAIRMAN JACZKO: Yeah.

21 TRISH HOLAHAN: -- everything melted.
22 You know, (inaudible).

23 CHAIRMAN JACZKO: Okay.

24 TRISH HOLAHAN: So we don't think that's
25 the correct assumptions.

1 CHAIRMAN JACZKO: I mean, I guess -- you
2 know, it's an interesting thing, this idea of
3 worst-case. You know, and maybe this is the whole
4 problem is I like to think of worst-case as, there's
5 what's worst case and then there's what's possible.

6 So I think what we should produce a
7 worst-case that actually possible. You know, I mean,
8 a worst-case would be something that, a worst case
9 would be that you reject the core and, you know, it
10 gets, and somebody puts it in a bag and carries it
11 over across the, the ocean and put that in the, in
12 the, in California. That would probably be the worst
13 case.

14 (Laughter.)

15 CHAIRMAN JACZKO: So, I mean, but
16 obviously, there's a physical reality at some point
17 that certain things just cannot happen.

18 TRISH HOLAHAN: Okay.

19 CHAIRMAN JACZKO: So I think we really
20 should produce a source term that is truly what I
21 would call a worst-case but a possible scenario.

22 TRISH HOLAHAN: Okay.

23 CHAIRMAN JACZKO: I don't know if that's
24 feasible. IF folks can think of what, you know, if
25 there's any physical limitations. I mean, obviously,

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1 if you melt the core, you're not going to volatilize
2 everything in the core, can you?

3 BRUCE ROPER: I don't know the answer to
4 that. We can always talk can only talk about
5 plate-out and things like that, so it all doesn't get
6 out.

7 CHAIRMAN JACZKO: Yeah.

8 BRUCE BOGER: It sticks to the sides of
9 the walls.

10 CHAIRMAN JACZKO: Yeah. And it's not all
11 -- I mean, some of it is solid still.

12 TRISH HOLAHAN: Um-hmm.

13 CHAIRMAN JACZKO: And I guess it's the
14 iodine and the cesiums that you worry about. It's
15 not the uraniums and the, you know, the hotter, the
16 heavier elements; right?

17 TRISH HOLAHAN: Yes. And we've also been
18 asked to look at the MOX capability, you know, the
19 MOX fuel in Reactor 3.

20 CHAIRMAN JACZKO: Yeah, in the pool?

21 TRISH HOLAHAN: Yeah. We, we thought
22 that that was wasn't significantly contributing to
23 the dose.

24 CHAIRMAN JACZKO: Ah, okay. Okay.
25 Interesting. Okay. Well, yeah, okay.

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1 Well, then maybe that's the driver.
2 Maybe it doesn't matter then what we do with the
3 other things because it won't really act appreciably
4 much anyway.

5 Just go back one more time and, and look
6 and see if you can't come up with a, with what I
7 would call a true worst-case scenario; namely, the
8 worst-case that is physically possible.

9 TRISH HOLAHAN: Okay.

10 CHAIRMAN JACZKO: See if you can do that
11 because I, I have to believe that there is no
12 possibility in a light-water reactor design to reject
13 an entire core. I mean, that's basically steam
14 explosion; isn't it?

15 TRISH HOLAHAN: Yes.

16 CHAIRMAN JACZKO: And, and I think we've
17 ruled that, as an agency, we've ruled that out as a
18 physical possibility.

19 TRISH HOLAHAN: Okay. I can --

20 CHAIRMAN JACZKO: See if you can just
21 take another run at that and give me a ring back and
22 see what that looks like.

23 TRISH HOLAHAN: Okay, I'll talk to the
24 Reactor Safety Team.

25 CHAIRMAN JACZKO: Okay. All right.

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1 Great. Bye.

2 TRISH HOLAHAN: Okay.

3 BRUCE BOGER: By.

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(CONFERENCE CALL INITIATED.)

04:06:32/04:41:51

CHUCK CASTO: Good morning.

FEMALE PARTICIPANT: The Chairman, ET,
Naval Reactors. You've got a lot of people.

CHUCK CASTO: Okay. Last night,
apparently -- hold on.

Jack? Jack?

Standby.

(Audio interference.)

CHUCK CASTO: We're -- this is Chuck.
I'm sorry. I apologize. There's a lot going on here
and it's a little noisy.

So, there's some, we've got the latest
air monitoring results, so if you go to that, I think
it's the EM web, you can see those. You're going to
see a little bit more contamination to the west, and
I think they're going to fly more west today.
That's, and I don't know if you all have that
assessment or not.

The, probably the more important thing is
they, apparently -- I just saw these moments ago --
they apparently shared with us some photos that they
had taken from the parking lot of Unit 3. And I'm in
the process of having somebody scan those and try to

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1 get those to you. But I, it's, I think it may be a
2 game changer with Unit 3.

3 I don't [REDACTED] us, but it, the angle
4 that they were able to take from the, from the, I
5 guess that would be the west side -- everything that
6 we've taken is more or less from the east side of the
7 building or on top of it.

8 But take a look at those photos on Unit 3
9 when you get them, and we need to talk about what
10 those photographs are showing us because it may be
11 highly important to look at those photos. So they're
12 on their way. We're taking them down to their,
13 Jefferson Room down at their EOC kind of place, and
14 see if we can't get them to beam those to you
15 somehow.

16 CHAIRMAN JACZKO: Hey, Chuck? This is
17 Greg Jaczko.

18 CHUCK CASTO: Yes, sir.

19 CHAIRMAN JACZKO: A game changer in a
20 negative or positive way?

21 CHUCK CASTO: In a negative way.

22 CHAIRMAN JACZKO: Okay. I --

23 CHUCK CASTO: The, the initial look at
24 these -- now, we've got to -- you know, this is, this
25 is very preliminary, looking at these photos. It's,

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1 it's hard to see that there's a spent fuel pool there
2 on Unit 3. It looks like a rubble.

3 FEMALE PARTICIPANT: Okay. Say that one
4 more time, Chuck, because I didn't quite hear. What
5 did you just say again?

6 CHUCK CASTO: Yeah, it really looks on
7 Unit 3, from the picture we have and from the initial
8 look, it doesn't look like there's integrity there in
9 the spent fuel pool.

10 FEMALE PARTICIPANT: Okay.

11 CHUCK CASTO: But let's not -- let's look
12 at them first and make sure that we know what we're
13 talking about before we react to it.

14 But we'll get them to you, and when you
15 look at them, we need to take a hard look at them.
16 That, it looks like there's severe damage on the side
17 of that building. And all you can basically see are
18 the vertical pillars to there. So I don't know.

19 Let's take a look at it. Let's take a
20 hard look at them. You need to draw your attention
21 to, and help us understand what it is that we, that
22 we're looking at --

23 FEMALE PARTICIPANT: Okay.

24 CHUCK CASTO: -- before we react to them.

25 CHAIRMAN JACZKO: Chuck, can I, can I

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1 fill you in on a little bit of information that I
2 have. And I, I know you just got up, and I wanted to
3 just do a quick dump with you and let you finish here
4 with the brief if that's okay.

5 CHUCK CASTO: Yes, sir.

6 CHAIRMAN JACZKO: One -- Jim Wicking
7 (phon) has some information that --

8 I don't know if you can get it to him in
9 the Embassy.

10 JIM WICKING: He could go to the defense
11 attache's office.

12 CHAIRMAN JACZKO: It's, it's probably
13 very important because I think it gets to a lot of
14 these same issues, and, and so there's, there's
15 probably some of that. But again, I don't
16 micromanage your work to that level. You, you've got
17 the information.

18 But I, I did want to reiterate a
19 conversation to you that I just had. I spoke with
20 the US Ambassador to Japan just for about 45 minutes.

21 CHUCK CASTO: Yes, sir.

22 CHAIRMAN JACZKO: And he reiterated to me
23 that if there's anything that you need that you're
24 not getting, that he, he wants, you need to tell it
25 to him so that he can work through his very

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1 high-level channels to make sure he gets it.

2 So I don't need you to tell me right now,
3 but I just want to reiterate to you -- and I know
4 you're very busy -- but if there's anything you need,
5 don't hesitate to call me directly or call me through
6 the Ops Center, and I will call anyone in the federal
7 government I need to call and anyone in the Japanese
8 Embassy, including the ambassador, if I need to and
9 request --

10 CHUCK CASTO: I understand.

11 CHAIRMAN JACZKO: So I just want you to
12 know that. And don't, don't hesitate, don't try and
13 solve it yourself. If you just need, if there's
14 somebody else that can solve it, just let me know and
15 we'll get on it.

16 CHUCK CASTO: I understand.

17 CHAIRMAN JACZKO: Okay. I'm going to
18 let you go back and turn it back to the team here.

19 Again, Chuck, you all are doing a great
20 job out there and we appreciate everything you're
21 doing. So keep up the great work.

22 CHUCK CASTO: Thank you, sir.

23 CHAIRMAN JACZKO: Okay.

24 MALE PARTICIPANT: Chairman, before you
25 leave. If I could, there's, there's one item I would

1 have on that list, at least based on my observation,
2 is plant technical data --

3 CHAIRMAN JACZKO: Yes.

4 [REDACTED]
5 [REDACTED]
6 [REDACTED]
7 [REDACTED]
8 [REDACTED]

9 CHAIRMAN JACZKO: Hey, Chuck, did you
10 hear that request?

11 CHUCK CASTO: Yeah. I'm a bit confused
12 by that request. I, I don't know what --

13 Hold on a second guys, guys. Please.
14 Please.

15 [REDACTED]
16 [REDACTED]
17 [REDACTED]

18 TOM VOVOSO: Do you get any detailed data
19 on what's happening with the plant? How often
20 they're getting in there? How often they're adding
21 water? Are they -- you know, what's the --

22 CHUCK CASTO: Who am I speaking with?

23 TOM VOVOSO: This is Tom Vovoso (phon),
24 Naval Reactors.

25 CHUCK CASTO: The, we know that the water

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CHAIRMAN JACZKO: Well, Chuck, let me cut this off right here because you're, you're busy and you've got to, you've got to kind of run through the team and go through that.

So let's, we won't burden you with any, anything. You just tell us what it is that you need, and we're here to support you and get you whatever you need.

CHUCK CASTO: Sir, I understand.

CHAIRMAN JACZKO: Okay. Keep up the good

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1 work.

2 CHUCK CASTO: Thank you.

3 CHAIRMAN JACZKO: Tell Monninger to keep
4 up the good work. Tell him he's got to come back
5 here eventually.

6 CHUCK CASTO: We'll do that.

7 CHAIRMAN JACZKO: You got it?

8 CHUCK CASTO: We really need him here,
9 sir.

10 CHAIRMAN JACZKO: Okay, well, Chuck, keep
11 it up. And whatever you need, you tell us what to
12 do. You tell us what to do. All right?

13 CHUCK CASTO: I understand.

14 CHAIRMAN JACZKO: Okay. Thanks.

15 CHUCK CASTO: So I think the thing to do
16 is, is --

17 Rick, what's the status on that right
18 there?

19 RICK DeVERCELLY: I've got the package
20 together. I'm sending them two other documents to
21 help them reference what they're looking at.

22 CHUCK CASTO: So we're going to send you
23 the photos they gave us from the parking lot and also
24 some design diagrams that might help, help you
25 interpret what you're looking at.

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1 FEMALE PARTICIPANT: Okay. Great.

2 Chuck?

3 CHUCK CASTO: Is there anything else we
4 can provide you all with?

5 Go ahead. Head down there.

6 Hold on. Stand by.

7 I think if you just email it to the HOO
8 address, right?

9 MALE PARTICIPANT: RST01.HOC.

10 FEMALE PARTICIPANT: RST01.HOC.

11 MALE PARTICIPANT: Got it.

12 TRISH HOLAHAN: Okay.

13 Chuck?

14 CHUCK CASTO: Yes.

15 TRISH HOLAHAN: Trish Holahan. I'm the
16 director of PMT tonight.

17 CHUCK CASTO: Yeah.

18 TRISH HOLAHAN: Do you have any real-time
19 dosimetry data from the site?

20 CHUCK CASTO: Dosimetry as an monitored
21 from people?

22 TRISH HOLAHAN: Well, we need dose rates
23 and doses. We don't, we heard things. Last time we
24 had an update was two days ago.

25 CHUCK CASTO: You ought to talk DOE, and,

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1 you know, as I said, on that EM Web or whatever that
2 thing's called --

3 MALE PARTICIPANT: CM Web.

4 CHUCK CASTO: -- CM Web is all the, all
5 the results.

6 MALE PARTICIPANT: Exactly. Lou Brandon
7 has -- (off mic.)

8 CHUCK CASTO: Lou Brandon.

9 TRISH HOLAHAN: Okay. He, he's got the
10 most recent information?

11 MALE PARTICIPANT: He has access to CM
12 Web, and that's where the most recent information for
13 the DOE aerial monitoring is.

14 TRISH HOLAHAN: Okay, we saw the results
15 of ANS monitoring, but it wasn't really very useful
16 to us.

17 MALE PARTICIPANT: You're talking about
18 on the ground; right?

19 TRISH HOLAHAN: Yeah. I want --

20 MALE PARTICIPANT: You're talking about
21 on site?

22 CHUCK CASTO: You're talking about
23 radiation levels. I'm not sure that anybody's done
24
25

1 TRISH HOLAHAN: Okay.

2 BRUCE BOGER: Yeah, Chuck, this is Bruce.

3 I, I'm presuming it's too hot for people just to
4 even go do surveys around the site.

5 CHUCK CASTO: Oh, yeah, it's like 1 R' at
6 the gate, or more.

7 TRISH HOLAHAN: Okay.

8 CHUCK CASTO: So you can't -- I don't --
9 you can do an extrapolation. I think those
10 scientists can extrapolate from, you know, the gate
11 the distance and, you know, but you've got debris,
12 the shielding, you know, all kinds of uncertainties.

13 So, you know, I think, basically, you
14 know -- I don't know. I'll try to find out from
15 Tepco. I'll, I'll pose that -- if you want, if it
16 that's that important to us -- and I know it's
17 important to them -- I'm meeting with the CEO and the
18 CNO of Tepco and a minister of trade, and I'll put
19 that on the list of information we need from them as
20 the dose, dose information that they're seeing on the
21 ground.

22 BRUCE BOGER: (Inaudible).

23 TRISH HOLAHAN: Also, the Chairman has
24 asked us if the 50-mile exclusion is appropriate and
25 we need to know the doses.

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1 CHUCK CASTO: Yeah, and I'll, we're
2 meeting with NISA today and Tepco at nine o'clock,
3 all these people. And we'll tell them it would be
4 helpful for us in projections if they can share the
5 on-site doses that they're seeing on the fire trucks.

6 TRISH HOLAHAN: Okay.

7 CHUCK CASTO: I, I know they're seeing, I
8 know they're measuring some because I heard, I heard
9 that that one fire truck in, I think it's in two
10 minutes, they picked up 10 R.

11 TRISH HOLAHAN: Okay. Yeah, that's,
12 that's the type of information we really need.

13 CHUCK CASTO: The fire truck, in a
14 two-minute spray, was 10 R --

15 TRISH HOLAHAN: Okay.

16 CHUCK CASTO: -- up against the building,
17 close enough, whatever that distance is for a fire
18 truck to spray.

19 TRISH HOLAHAN: Got you.

20 CHUCK CASTO: So we'll put that as a
21 priority and try to get dose data.

22 I, I'll tell you who's working on this.
23 Somebody's working on this with DOE. I remember now.
24 Let me think on it, who it is on our team. The, the
25 ambassador's asked us for -- who's working on

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1 [REDACTED] Jack -- Jack's working on [REDACTED] with
2 DOE today.

3 I think, this morning?

4 MALE PARTICIPANT: Yes.

5 CHUCK CASTO: Jack's working with DOE.

6 The ambassador's asked us for [REDACTED] on, on, you
7 know -- they're worried because the [REDACTED]

8 [REDACTED]
9 [REDACTED] So, you
10 know, they've asked us to come up with [REDACTED]
11 scenarios. So Jack's working with DOE and --

12 And who?

13 MALE PARTICIPANT: PMT.

14 CHUCK CASTO: -- and PMT today, this
15 morning, to, with -- because I, certainly by, if I --
16 I'm probably getting fired by a lot of people, but
17 the ambassador will fire me if I don't have that
18 stuff at, at six o'clock tonight when I go to the
19 staff meeting. So sometime today, we have to have,
20 and Trish, it would be great if you, you all would
21 help us, establish the [REDACTED]

22 TRISH HOLAHAN: Okay.

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If one of the -- I mean, we're all
focused on the spent fuel pool, but there's nothing,

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1 you know, they -- there's a lot of questions about
2 seawater, the seawater fill on some of these units,
3 you know, whether it's really working and is it, is
4 it going to be sustained. And, I mean, you know,
5 there's a lot of questions on that.

6 And we're, you know, we're not really
7 focused on that at this moment, but, you know,
8 because it's stable at this point as far as we can
9 tell. And there may be -- we've seen times when
10 there was some fluctuation in that data and
11 information, but we haven't responded to it. Plus
12 nothing serious has happened yet.

13 But, and if you respond to every -- you
14 know, the problem is, you learn if you respond to
15 every little piece of information that comes up, you,
16 you end up whipping the whole organization around, so
17 sometimes you got to let this information just settle
18 a bit, and it becomes clearer.

19 TRISH HOLAHAN: Okay.

20 CHUCK CASTO: And the problem is taking,
21 making the right choices of which information.

22 Like I said, I'm just about the pas you
23 guys some information and I, I don't want to
24 overreact to it, so we need to sit together and talk
25 about what this building, what these photos look like

1 of this building.

2 TRISH HOLAHAN: Okay. Chuck, for your
3 meeting that you have coming up, there was an email
4 sent to you maybe 20 or 30 minutes ago or so ago. It
5 has some talking points that might be helpful for
6 your upcoming meeting.

7 CHUCK CASTO: Yeah, I have, we have a
8 staff meeting at, at, it's at 9:30 with the
9 ambassador, and then I have one at six. You know, we
10 have the morning staff meeting.

11 Who -- the, the talking points you're
12 talking about came -- what title was the email or who
13 was it from?

14 TRISH HOLAHAN: It says "Japan Nuclear
15 Situation," 3/18, today's date here, 3/18 at 3:15
16 p.m.

17 DONNA ORDAZ: It's what the Chairman took
18 with him when he went down to see the ambassador.

19 CHUCK CASTO: I saw that. It had like
20 four attachments.

21 DONNA ORDAZ: Yeah, we just wanted to
22 sure you had the same information that you knew the
23 ambassador here in Japan has seen.

24 CHUCK CASTO: Yeah, because I want to --
25 that was part of -- I think Bruce and I talked about

1 that. The, you should have the email. It looks like
2 Rick had success on -- no. I don't know what that
3 is.

4 But, spent fuel geometries issues. Let's
5 see. I don't know if that's the pictures or not.

6 But anyhow, we want to get our talking
7 points together here before we go over to the CEO in
8 CNO and the minister of trade or whatever he is,
9 ministry of something, and, you know, what messages
10 we need to deliver to them.

11 FEMALE PARTICIPANT: Okay.

12 CHUCK CASTO: And I'll use that, those
13 four attachments as some of the talking points.

14 Good?

15 BRUCE BOGER: Chuck?

16 CHUCK CASTO: We're having fun now, are
17 we?

18 BRUCE BOGER: Yeah. Hey, a couple of
19 round thoughts. Just back, circling back a little on
20 the dose information, I think if we have a little
21 more information relative to the on-site doses, it
22 helps some people interpret what's going on better.

23 You know, we're, we're kind of unable to
24 interpret the, the flyover stuff, you know, the ultra
25 worst-case thing that might happen in Alaska and

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1 California. But for some of us, just knowing that
2 it's an R at the site gate, it's, you know, some of
3 these, the, the other information about how much dose
4 the firemen are picking up, things like that, little
5 tidbits like that, they'd be helpful.

6 TRISH HOLAHAN: Just to give us some
7 perspective. Right?

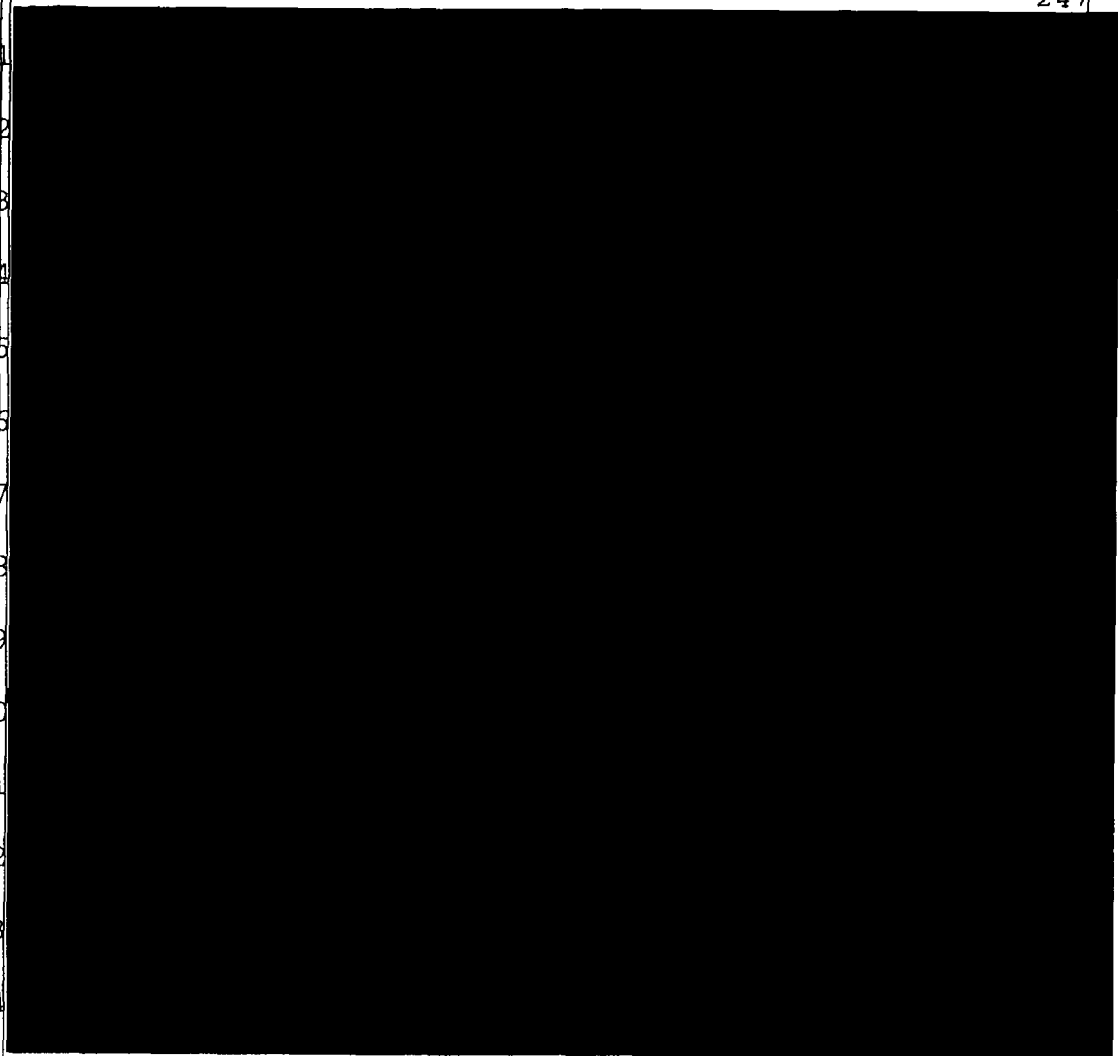
8 BRUCE BOGER: Do that's, that --

9 CHUCK CASTO: Yeah, we can get that.

10 Yeah, we understand your need and we'll support you
11 need as best we can. Jack Foster's got it. He's,
12 he's the one that has the, he's got the lead on that.

13 BRUCE BOGER: Great. Thanks. All right,
14 Bill has something --

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15 CHUCK CASTO: Yeah, right. I mean, it
16 doesn't, I mean, it doesn't fill anything. First of
17 all, we don't even know if you can fill anything
18 because we don't know if there's anything there to
19 fill. I mean, you know, and especially when you look
20 at these new pictures, it's not even sure that the
21 spent fuel pool's even there on Unit 3, these
22 pictures from the parking lot. Somebody's going to
23 have to help me interpret those. But that sure looks
24 like pretty severe damage of that building to me,
25 from the parking lot angle.

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1 But, you know, so we don't know if
2 there's anything to fill. We don't know, you know,
3 if -- but the best we're trying is we think there
4 might be some structural integrity on Unit 4.
5 However, they and we both think there's at least,
6 there's probably at least a leak if not a rupture on
7 that pool.

8 So, you know, we're talking about is the,
9 the, the mining mud to try to, you know, put the
10 mining mud in there to stop -- if it's a leak. If
11 it's just a small leak, can we mud it and seal it up
12 and then pour the water in there? And we need to
13 know how much -- this isn't a task, but there's, some
14 considerations are how much mud you can put in there?
15 And you already have a compromise, a compromised
16 structural integrity, and you start putting heavy mud
17 in there, how much can you put in there without
18 collapsing the pool?

19 MALE PARTICIPANT: Yeah.

20 CHUCK CASTO: So, you know, it's an
21 unbelievable dilemma. You know, and then, if it's a
22 rupture, if the side of the pool is ruptured or the
23 whole bottom of it's got a massive rupture in it,
24 then, you know, what do you do then?

25 So, you know, we're trying to water


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1 things. We think that a high-volume water supply is
2 at least a good attempt to put water in a pool or
3 keep something cool. We also got the coning nozzles
4 on the way so we cannot just pump water in but we can
5 spray.

6 The other problem is we're seriously
7 worried about zirconium fires and making the matter
8 worse. You know, and then if you start a zirconium
9 fire, do you know how to put it out? And do you have
10 the equipment to put it out? If you make matters
11 worse -- I mean, it's all the stuff we talked to
12 Tepco about at midnight last night, from midnight to
13 4:00 a.m. You know, you guys, before you try this
14 stuff, you need to make sure you know what the
15 measure of success is.

16 They're just throwing solutions other
17 problem and, you know, there's no measure of success.

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24 So, you know, it's, it's -- and we're
25 working -- you know, the political dynamic and the

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1 dynamic, the organizational dynamic, is just, you
2 know, unfathomable.

3 So, but the good news is we finally, at
4 midnight last night, got Tepco, the guy in charge of
5 the pumping operation and the fire truck operation in
6 the room, and we went through it until four in the
7 morning discussing the design of the system.

8 MALE PARTICIPANT: This, this is their
9 system or our system?

10 CHUCK CASTO: We don't care. You know,
11 it's, let's get together and design a system. They
12 had an idea. They had a concept; We had a concept.
13 You know, we took, we take part of their concept, and
14 they take part of our concept.

15 MALE PARTICIPANT: Yes.

16 CHUCK CASTO: Let's just make sure it's a
17 system that works. It doesn't matter whose system it
18 is.

19 MALE PARTICIPANT: Yes, sir.

20 CHUCK CASTO: And it's a matter also of
21 timing. Which, which system, you know, which
22 configuration can you get in place first?

23 The pumping, the pumping -- I mean,
24 here's the dilemma. The pumping system they want to
25 use, they have cement trucks that they want to use,

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1 massive, there's only two of them in country. They
2 need four. The other two are in China. So, you
3 know, we've got to get the Chinese government to let
4 us have them and, and fly them in here.

5 MALE PARTICIPANT: But they're here.
6 They're remote control operated.

7 CHUCK CASTO: Yeah, they can
8 remote-control operator the things. They were used
9 at Chernobyl. You know, so we've got to fly them in
10 from China.

11 Our system -- the Bechtel system; it's
12 been called the Bechtel system but it's really our
13 system that we designed here in this room -- and
14 Bechtel said, okay, we've got this, we got the
15 configuration. We'll build it for you. It's sitting
16 in Australia, I think, in two pieces, one on each end
17 of the country.

18 In addition, the third success path is we
19 broadcast out to Japanese companies yesterday
20 afternoon and said, here's a list of stuff that we
21 need. You got any other stuff? And we got a call
22 from a supplier who said, hey, I just sold this stuff
23 to the Tokyo Fire Department. And we said, do what?
24 And they said, yeah, we sold this to the Tokyo Fire
25 Department. So we called the Tokyo fire Department

1 and said, what are you guys going to do with this
2 stuff? And they said we're going to use it to build
3 a system to put in, to pump water to the reactor.

4 MALE PARTICIPANT: It was on CNN this
5 morning.

6 CHUCK CASTO: Yeah, I think guess it was
7 on CNN this morning.

8 So, you know, there's multiple, I mean,
9 it's just coming from all over the place. And you're
10 trying to put this together, and you're working with
11 a government that's, whatever. So, you know, and we
12 want to measure the success. We want to make sure --
13 we don't want to make, we don't want to make things
14 worse.

15 MALE PARTICIPANT: Yes, sir.

16 CHUCK CASTO: You know, if you've got a
17 stable environment right now, who knows how long
18 it'll stay stable? But, but if you start these
19 processes and you cause -- you know you're probably
20 going to cause a plume, and that's going to be a
21 problem, you know, when you start steaming this thing
22 again -- and if you steam it at a high rate, you're
23 likely to cause a plume, and that's going to, you
24 know, that's going to panic everybody. And, you
25 know, ANS is going to go off the scale and all that

1 stuff. So you've got to be able to tell people ahead
2 of time.

3 This is what we told Tepco last night.
4 We said, look, if you're going to create a big plume
5 and radiation is going to start spreading, you need
6 to tell people ahead of time that we know this is
7 going to happen, not do something, create a plume,
8 and then tell everybody, oh, yeah, that plume, we did
9 that. So, you know, you've got -- it's, it's just an
10 incredible difficulty mapping all this stuff
11 together.

12 BILL RULAND: And, and, and even the
13 people that are going to be in there initiating these
14 systems, you know, I mean, talk about heroic efforts.

15 CHUCK CASTO: I can't even go through it.

16 Bill, you're absolutely right. I mean, you're
17 sitting in a room and, you know, we were, we sat in a
18 room yesterday with, [REDACTED] [REDACTED]

19 [REDACTED] 5
20 [REDACTED]
21 [REDACTED]
22 BILL RULAND: That's exactly right.

23 CHUCK CASTO: And, and we all acknowledge
24 that and, and understand it. But as they said, you
25 know, some people are going to have to take some

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1 risks to save Japan and the world from something
2 that, you know, is undesirable. So the, the enormity
3 of that meeting in that room was, you know, it was
4 incredible.

5 But we have to -- and the other part is
6 -- here's what's really frustrating. I'm just
7 venting this morning. Okay, I'm sorry. I apologize,
8 but --

9 CHAIRMAN JACZKO: Hey, Chuck, can I
10 interrupt you for just a second?

11 CHUCK CASTO: Yeah.

12 CHAIRMAN JACZKO: Do you need me to call
13 the ambassador and relay a message to him directly?

14 CHUCK CASTO: What would the -- I'm
15 sorry. What was the message?

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MALE PARTICIPANT: Yeah, the Chairman
just stepped out.

CHUCK CASTO: Oh, good. Don't tell him I
said that.

(Laughter.)

BRUCE BOGER: Hey, Chuck, I have --
there's a couple of other questions that came up,
and, and one of them, the Naval Reactors guy is is
here and he's really interested in being able to help
us with logistics. And I don't know what, how the
things are set up in the Embassy to, to facilitate
the, you know, the arrival of equipment and the
transport and hooking things up and all that. We're
presuming that you guys aren't doing that.

CHUCK CASTO: Oh, no. We're, we're --
that's -- the logistic issues. Let me go over this.

BILL RULAND: (Off mic) piece of it --
I'm sorry. Go ahead, Chuck.

CHUCK CASTO: Here in the Embassy, DART
is responsible for logistics. DART moves big, big
stuff all over the world, USAID DART. They move crap
everywhere, heavy lift, everything. You tell these
people what you need, and it'll be moved. Okay?

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1 We've got logistics like logistics. And that's, you
2 know, sort of the embassy's endorsed process, AID,
3 USAID, and that organization here in the embassy.

4 BRUCE BOGER: Now, is it possible for me
5 to point the Naval Reactors guy to somebody in that
6 organization that, so they can make sure that they're
7 plugged in?

8 CHUCK CASTO: They could talk to [REDACTED]

9 [REDACTED] in the embassy.

10 BRUCE BOGER: All right, through [REDACTED]

11 [REDACTED]
12 CHUCK CASTO: If they hook up with [REDACTED]

13 [REDACTED] they can decide who lifts what out of where.

14 You know, probably somebody, it may be somebody has
15 to go into China and get those trucks.

16 BRUCE BOGER: Okay. That's fine. I'm
17 just looking for a point of contact.

18 CHUCK CASTO: If, if they talk to [REDACTED]
19 if they talk to [REDACTED] here in the Embassy, you know,
20 when you talk to AID, it's best to talk to the local
21 AID, you know, because they're on the ground here and
22 they have a team here. And it's best to talk to
23 them, the local AID.

24 So [REDACTED] [REDACTED] is the point of
25 contact.

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1 BRUCE BOGER: Do you think there's a
2 Naval rep somewhere running around the Embassy?

3 CHUCK CASTO: There is a POL-MIL rep.
4 Let me get his name.

5 Where's my list of reps at here?

6 BILL RULAND: And we have, the contact
7 that we have is a Commander Po, P-o, US Naval Forces
8 Japan. We've got a DSN number for him. We have --

9 CHUCK CASTO: Where's the, where's that
10 list of --

11 BILL RULAND: A guy named Jin Lin (phon)
12 who's a major.

13 CHUCK CASTO: I've heard of that name,
14 Jin Lin. I've heard of that name.

15 Here we go. Here's the POL-MIL
16 coordinator. You just call this number and they'll
17 get you whatever you need. It's [REDACTED].
18 That's the JECC, the Japanese Emergency Command
19 Center, the JECC, and that's the POL-MIL coordinator,

20 [REDACTED]

21 BILL RULAND: Okay.

22 FEMALE PARTICIPANT: (Off mic).

23 CHUCK CASTO: I beg your pardon.

24 BILL RULAND: That's not to [REDACTED]

25 That's to --

1 CHUCK CASTO: No. No, that's the POL-MIL
2 coordinator.

3 BILL RULAND: Okay.

4 MALE PARTICIPANT: [REDACTED] 6

5 CHUCK CASTO: [REDACTED] is USAID.

6 BRUCE BOGER: All right. Thanks, Chuck. 6

7 Next question is related to, apparently [REDACTED]
8 called somebody and he's interested in having INPO
9 play a roll.

10 CHUCK CASTO: Yeah, we worked on that
11 earlier in the week. I give up when I heard that
12 lawyers were involved.

13 BRUCE BOGER: Do you have a, a specific
14 technical type expertise that INPO may provide and
15 then let somebody else slug it out on the, you know,
16 the legality and all that?

17 CHUCK CASTO: Yeah, that role changes
18 delete, but there's a couple of, there's a couple
19 roles we can give to INPO. One is BDA, if anybody
20 has BDA experience.

21 MALE PARTICIPANT: Translation please.

22 CHUCK CASTO: Bomb data assessment.

23 MALE PARTICIPANT: Okay.

24 CHUCK CASTO: [REDACTED]
25 [REDACTED] 5

1 BRUCE BOGER: Okay.

2 CHUCK CASTO: It seemed like there was --
3 and then I wanted, I thought it would be good if INPC
4 was, we just had a window to the US industry through
5 that person. Okay? You know what I mean? At first
6 we talked about severe accident management, having
7 somebody with the severe accident management.

8 But I can tell you on all these jobs,
9 Bruce, as you know, the, the, the technical end of it
10 is probably 20, 25 percent.

11 BRUCE BOGER: Yeah.

12 CHUCK CASTO: You know, you, the, the
13 diplomatic, the political sensitivity, the strategic
14 thinking is, you know, 80 percent of the job. So,
15 you know, because somebody, you guys come up with
16 ideas. We come up with ideas in this room. And then
17 somebody's got to go out and be the liaison with
18 Tepco, with METI, with MOD, with USAID, all that, to
19 make it happen.

20 You know, technical ideas are, are --
21 we're basically working with a rubble bed here that,
22 you know, we're trying to cool or do something with.
23 So, like BWR experience isn't useful because it's no
24 longer a BWR.

25 BRUCE BOGER: Right.

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1 CHUCK CASTO: So, anyhow, that, I think
2 those three roles, a generalist with a good political
3 skills and good, you know, give us a window to the US
4 industry and their thoughts and ideas.

5 BRUCE BOGER: Okay.

6 CHUCK CASTO: Or from a technical
7 perspective, we could BDA and we could use IR.

8 BRUCE BOGER: Thanks, Chuck. That helps.

9 BILL RULAND: Chuck, there was a news
10 release from, it looks like, MIDI. They said there
11 were hyper rescue vehicles, 30 cars started
12 (inaudible) procedures for preparation of water
13 spray. Do you know what that meant?

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1 bed, whether there's structural integrity, you know,
2 what there is. But we think, our opinion is a
3 high-volume, liquid flow system would probably be the
4 most effective, and the coning nozzles in some cases.

5 But just standing off -- you know, you're
6 getting lethal doses standing off pulling a truck in
7 there with a very course, you know, method of water
8 spray.

9 BILL RULAND: Okay.

10 CHUCK CASTO: You should -- hopefully,
11 you have those pictures of the building by now.

12 BILL RULAND: Yeah, let me check.

13 BRUCE BOGER: Chuck, do you have anything
14 else for us?

15 CHUCK CASTO: No. I've got to get going
16 to the Tepco headquarters. We'll talk soon.

17 BRUCE BOGER: You know Dan Dorman's
18 showing up soon; right?

19 CHUCK CASTO: Okay. We'll talk soon.

20 BRUCE BOGER: No -- Chuck?

21 CHUCK CASTO: Yeah?

22 BRUCE BOGER: The question is, do you
23 know that Dan Dorman is --

24 CHUCK CASTO: Yeah. I said, yeah, I know
25 that.

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1 BRUCE BOGER: Okay. All right, so the
2 Chairman is, is still in the other room, so we'll
3 call somebody back if he has more to ask us.

4 CHUCK CASTO: Okay.

5 BRUCE BOGER: Okay.

6 CHUCK CASTO: All right. Talk to you
7 soon.

8 BRUCE BOGER: Thanks, Chuck.

9 BILL RULAND: Bye.

10 CHUCK CASTO: Fun now.

11 BRUCE BOGER: Yep. Goodbye.

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(CONFERENCE CALL INITIATED.)

04:41:58/05:04:03

(Roster playback.)

(Standby until 4:44:17.)


BRUCE BOGER: Good evening all. This is Bruce Boger. I got the ET director's job tonight. I think you all have the, the briefing sheet. Basically, we continue to coordinate with various departments and agencies. In fact, right now, I think the Chairman is in speaking with Naval Reactors and also INPO to --

(Static on the line.)

(Technical issue corrected.)

BRUCE BOGER: Okay. Thank you.

We continue to coordinate with various agencies. As far as the plant status goes, I'll give you some, some late-breaking news at the end of the caller near the end of the call because it is late-breaking. We haven't assessed it yet.



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22 BRUCE BOGER: Okay. And we're also
23 working to develop initial scenarios based upon
24 different core and spent fuel pool conditions.

25 TRISH HOLAHAN: Yes, yes. And we should

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1 have that done within the next half-hour to hour, and
2 then we'll share it with NARAC and then they can do
3 calculations.

4 Yes, also, we got the results from ANS
5 flyover.

6 Did you brief that?

7 Okay, the ANS flyover found the greatest
8 concentration of contaminated materials to the
9 northwest of the site, and there's a narrow band to
10 the northwest beyond 13 miles from the site where the
11 integrated four-day doses approach or exceed 1 Rem.
12 We made the right decision on our prior
13 recommendations in evacuating everybody within 50
14 miles.

15 BRUCE BOGER: Okay. Thank you.

16 I guess the teaser that I, or I guess the
17 other a piece of information is there has been some
18 reports that San Onofre and Diablo Canyon has seen a
19 small sample that's slightly above the minimal
20 detectable activity level, so we're still pursuing
21 that to see what that, what that might mean. It's
22 iodine 131.

23 TRISH HOLAHAN: Yeah, and I've been
24 contacted by both Diablo and Sons (?) and they know
25 to get, they increased their sampling because we

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1 didn't know if it was a random sample that --
2 detected iodine is being confirmed in two locations
3 at Diablo and one location as Sons.

4 BRUCE BOGER: Now for the teaser that I
5 said earlier teaser, the, we just received some
6 photographs of the Unit 3 reactor building that were
7 taken from a different perspective than we've seen.
8 Most of our photos have either been from the west
9 side or from the top.

10 These are from the east, taken from the
11 west looking east. And they are showing quite a bit
12 of damage that we couldn't see before. So that's
13 something that we'll be working on over, through the
14 night, working with GE to get some structural, better
15 understanding of elevations and what we might be
16 seeing in these pictures.

17 But it, it doesn't look good. I'll tell
18 you that.

19 Bill?

20 BILL RULAND: I have an update. I have
21 an update.

22 This is the Bill Ruland, they Reactor
23 Safety Team director. We got these pictures from
24 Tepco provided to the team in country, the NRC team
25 in country. We've got these pictures and it, they,

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1 this is Unit 3, and it shows a large, you know, shows
2 significant damage to the structures. We provided
3 these to General Electric, who, of course, had design
4 drawings. These people have been in the building,
5 inside the building, so they have a pretty good idea.

6 It turns out that the Unit 3's elevations
7 are different than Unit 1. So if you look at Unit 1
8 and you try to make sense of Unit 3 structure, you're
9 not going to get the right picture.

10 It turns out -- and of course, the people
11 on the phone can't see this, but there is, what you
12 can see exposed is the rail that the crane, the
13 refueling crane, the drywell head crane arrives on.
14 That's what this rail is right here. Okay, so that's
15 -- so what you can see is -- you know, it's, because
16 of the way this building is constructed, it's
17 constructed a level below the other structures.

18 So GE, in talking to us, believes that
19 the drywell head -- it's tough to see the drywell
20 head on this picture. So we've asked them to make,
21 we provided these pictures and we've asked them to
22 provide their assessment of what they see, and I
23 think that's going to be critical to help us make a
24 decision.

25 They are on it as we -- you know, I just

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1 got off the phone with them, and they're going to
2 provide their assessment of what, in fact, this is
3 telling them, you know, if anything.

4 So you cannot rule out or rule in whether
5 the spent fuel pool is still intact based on what we
6 see in this picture. Now the Site Team's initial
7 impressions were that the spent fuel pool might not
8 be here, but they don't have the knowledge that
9 General Electric has.

10 So we're going to get that assessment
11 from them, and we're going to also talk to the site
12 when I leave this phone call, or send an email, to
13 make sure they know that their initial view of this
14 matter is different than what they might have
15 apparently thought. So that's kind of where this
16 stands.

17 The other piece we're working is we're
18 still working the, the logistics for the system, you
19 know, for the system with Bechtel, GE, and the, the
20 in-country team, in-country NRC team. INPO is on
21 that call, you know, so we'll going to do our, our
22 coordination role, including with, you know, Japanese
23 defense forces and also with the -- what the heck is
24 the name? I'm looking for this name -- yes, NISA.
25 So we're coordinating with all those folks to get

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1 these things done.

2 You know, it remains to be seen. As you
3 can imagine, the logistics under the circumstances
4 are trying, but, you know, we wanted to let you know
5 we're working the problem.

6 BRUCE BOGER: Thanks, Bill.

7 So folks on the phone just received the
8 briefing as the rest of the team did, so you've got
9 the hot news.

10 Anybody have, anybody in here have other
11 thoughts to add?

12 (No response.)

13 BRUCE BOGER: Any questions?

14 PAT HAYDEN: Hello. This is Pat Hayden
15 in Public Affairs, and I just wanted to make sure
16 that folks are aware that we're expecting a huge
17 press presence at the Commission meeting on Monday.
18 And hopefully we'll try to pull the, the
19 photographers and network feeds to the television.
20 But again, we just wanted to alert you to that.

21 And also, we've created a system on the
22 web for Japan-related information, and we're
23 populating that as we get it cleared.

24 FEMALE PARTICIPANT: (Off mic).

25 BRUCE BOGER: Any other questions?

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1 PAT CASTLEMAN: Yeah, this is Pat
2 Castleman. Could you go over the results from the
3 latest flyover? I didn't quite catch that, something
4 about, their radiation dose is significant beyond 15
5 miles northwest.

6 TRISH HOLAHAN: Yeah, well, the greatest
7 concentration of contaminated material is located to
8 the northwest of the access site. And there was a
9 narrow bound to the, narrow band to the northwest
10 beyond 13 miles from the site where the integrated
11 four-day doses approach or exceed 1 Rem.

12 And, you know, we still haven't done
13 enough, a large enough geographical location to
14 completely map out the extent of the contamination.

15 PAT CASTLEMAN: What's the time period
16 over which those doses, doses are integrated?

17 TRISH HOLAHAN: Four days.

18 PAT CASTLEMAN: Okay. Thank you.

19 BRUCE BOGER: Thank you, Trish.

20 Other questions?

21 PAT CASTLEMAN: Yeah, this is Pat
22 Castleman again. Yesterday, I sent a request to the
23 EDO to get a list or get a copy of the list that was
24 provided to USAID, of equipment that, you know, could
25 be provided. And this list was based on, you know,

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1 B5B and so forth.

2 We haven't gotten that list yet, and I've
3 been trying to get it because it's important for the
4 Commission to know that in support of Monday's
5 Commission meeting.

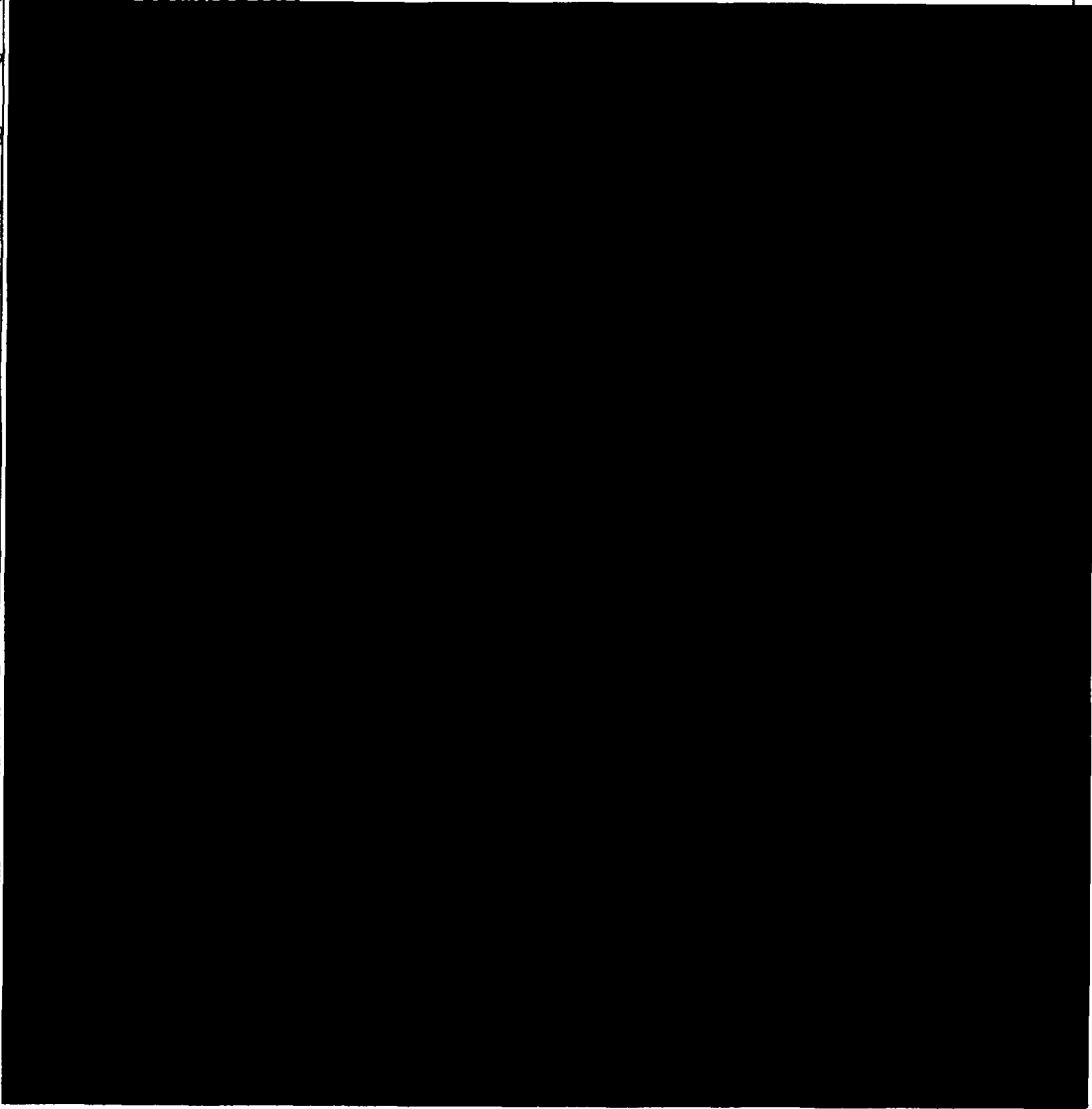
6 Do we have any information on when we can
7 expect to see that list?

8 BRUCE BOGER: Now let me make sure we're
9 talking about the same list. The equipment list that
10 I'm familiar with is, is really a, a, a list of
11 equipment that would be used to create a piping
12 system or a pumping system from, you know, from the,
13 the ocean back up in near the reactor building. So
14 it's pumps, valves, fittings, you know, piping,
15 things like that. So it's not a, a list of B5B-type
16 equipment.

17 PAT CASTLEMAN: Apparently, what we were
18 briefed a few days ago was that we gave a list to
19 AID, who sent that on or provided that to the
20 Japanese in terms of what we could provide, and that
21 would be in terms of pumps and, you know, power
22 supplies and so forth. It was developed from B5B
23 and, you know, that's all what I know. It has been
24 provided to AID, but the Commission's not had it, and
25 like I say, it's relevant to the Monday Commission

1 meeting.

2 BRUCE BOGER: Thanks, Pat. This is
3 Bruce. I, I'm sorry. I'm not aware of that. We'll
4 try and go back through our, some of our stuff, but
5 that's just not a, what I know. That's more
6 information.



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22 PAT CASTLEMAN: That's -- okay. I'm
23 confused then because we had been told that, to
24 compile the list of the equipment that could be
25 provided. And that list was sent to USAID. I'd have

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up in response to B5B.

JOSH BASKIN: Again, to the extent it's not going to distract folks from what they're doing -- it's kind of an important time right now -- we will check on that. And if there is something, we will get it to you. If it's going to pull people off, then we probably won't aren't going to be able to do it at this point.

BILL ORDERS: That's okay. This is Bill Orders. We can get it from somewhere else.

BRUCE BOGER: Yeah, we're, but we're just drawing a blank in here for the request, and people have been here the whole time. So I, I respect your request, and we'll take a look at it as we can.

Other questions?

PAT CASTLEMAN: Yes, this is Pat Castleman. Over the days, we've received reports that people have received, like, occupational exposures, have received lethal doses. Do we have any information on health effects, both occupational and public and, you know, whether or not any of these reported lethal dose rates have actually resulted in fatalities?

BRUCE BOGER: We're not aware of any such things here.

1 TRISH HOLAHAN: We've got nothing, any
2 kind of confirmed information, confirmed data. We
3 haven't heard anything about worker exposure. We did
4 hear one thing today that somebody moving a fire
5 truck in got like --

6 What were those numbers that were quoted
7 today?

8 DONNA ORDAZ: Ten rads in two minutes.

9 TRISH HOLAHAN: -- 10 rads in two
10 minutes. That's the first people exposure data that
11 we've gotten from any source other than I guess maybe
12 what you might be seeing on the news, and we've not
13 gotten anything confirmed or official.

14 PAT CASTLEMAN: Thank you.

15 BRUCE BOGER: Other thoughts? Questions?

16 DUKE: Bruce, I've got one more question
17 for you. It's Duke. Do, do we still believe the
18 Unit 4 pool is dry?

19 BRUCE BOGER: Yes.

20 Other questions?

21 TOM HICKSON: This is Tom Hickson. I
22 just wanted to --

23 BILL ORDERS: This is Bill Orders. On
24 the Unit 4 pool, why do you think that it's dry if we
25 have two indications that it's not?

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1 BRUCE BOGER: We have what, Bill?

2 BILL ORDERS: We have two reports that
3 it's not. One comes from Japan; one comes from
4 France. So my question is, why do we believe it's
5 dry when they don't?

6 BRUCE BOGER: Well, my understanding is
7 of the radiation levels from helicopters that go,
8 that have been flying over have been significantly
9 more than one would expect if there was water in the
10 pool.

11 JOSH BASKIN: In addition to that -- it's
12 Josh again. I know we've had a lot of debate about
13 the condition of the Unit 4 pool. Again, it's not
14 all that relevant considering everything else going
15 on at the site -- but the Japanese government and
16 multiple press reporting yesterday and today have
17 said anywhere from, they have no idea what the
18 condition is, to, they agree that it's probably very
19 low on water if not drained.

20 So, again, you can look at public press
21 reporting to see that as well.

22 BRUCE BOGER: There's no steam coming off
23 of it. There's, you know, high radiation levels.
24 We're going with that.

25 BILL ORDERS: I understand.

1 BRUCE BOGER: Anybody else, questions?

2 Comments?

3 (No response.)

4 BRUCE BOGER: Okay. The, the next phone
5 call will be tomorrow morning at 7:30.

6 Thank you.

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(CONFERENCE CALL INITIATED.)

5:04:38/5:30:39

MALE PARTICIPANT: Well, he's calling in to talk, to tell us about what happened in the meeting. He said they are very concerned about the condition of the reactors from the seawater impact, very concerned.

BRUCE BOGER: All right. Put him up on the bridge.

Chuck?

(No response.)

FEMALE PARTICIPANT: Chuck, are you there?

(No response.)

(Standby.)

(Extraneous content omitted.)

MALE PARTICIPANT: Chuck was calling in (inaudible) after the discussion with the Tepco officials.

(Extraneous content omitted.)

MALE PARTICIPANT: This is the assignment of what our dose needs are?

MALE PARTICIPANT: We're working on a -- actually, Trish is working on a statement (off mic).

(Extraneous content omitted.)

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(Standby.)


BRUCE BOGER: Chuck?

CHUCK CASTO: Yeah, this is Chuck.

All right, I've got --

Let me ask you did guys to keep a little line discipline here so that I can, you know, the background noise -- I'm sorry to ask that, but sometimes it's difficult if there's conversations in the back of the room, and this is important enough to listen to.

We met with chairman of Tepco and I met with the chairman of Tepco and the chief nuclear officer. It was a cordial meeting. The, their concern, their priority, they've asked us to prioritize is reduction of radiation and the



MALE PARTICIPANT: Chuck?

CHUCK CASTO: -- they talked about the bottom heads and they talked about the reduction in heat transfer --

1 BRUCE BOGER: Casto?

2 CHUCK CASTO: Yeah?

3 BRUCE BOGER: Could you please start over
4 again? I'm sorry to do this to you, but the Chairman
5 just walked in the room and the context is important.

6 CHUCK CASTO: I started, I had a meeting
7 with the [REDACTED] 6

8 [REDACTED] They pressed a need for us to focus
9 on radiation reduction at the site and the reactor
10 vessels. They're, obviously, they have, they know
11 something -- I'm, it's only inference here, and I
12 don't want to exaggerate, and I've got Tony and
13 Brooke here with me that were with me.

14 And so you check me if I'm exaggerating.

15 CHUCK CASTO: But they had a fairly
16 immediate concern about seawater impacts on the
17 reactors. So I say -- and they're less concerned --
18 I mean, they were not really concerned that all or,
19 or thinking about the cooling of the spent fuel
20 pools. That, that dropped to a lower priority. You
21 know, that situation is what it is. You know, it's
22 not -- it is what it is. We sent you those pictures
23 from the ground level on Unit 3.

24 But it's clear their concern was seawater
25 in those reactors on the bottom -- well, they didn't

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1 tell me this. They just said they were concerned
2 with seawater in the reactors. They, they left and
3 asked us to stay and meet with their technical staff,
4 who are leading the response to the event. They're,
5 and we get all the cordial stuff and talked about
6 points of contact.

7 And I asked them, could you please
8 explain your concern with the seawater on the reactor
9 vessel? And they said, we are very concerned with
10 seawater deposition and impacts on the bottom heads,
11 salt's impact on the bottom heads, and we're very
12 concerned about heat transfer rate on the fuel.

13 So what I got from the meeting --

14 Help me out, Tom.

15 TONY ULSES: Um-hmm.

16 CHUCK CASTO: What I got from the meeting
17 was, yeah, the cooling water system's important, and
18 we need to do the spent fuel pool thing and that's
19 very important work. But their concern was getting
20 radiation down so they could get in there and run
21 systems or do whatever they can to recover and get
22 out of this seawater situation because of corrosion
23 concerns and concerns about the bottom head.

24 They seem to be -- Tony, they seem to be
25 very concerned about that.

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1 Now, I infer from that that they know
2 something we don't know, but I don't know that that's
3 true.

4 CHAIRMAN JACZKO: Okay, Chuck? Let's --

5 CHUCK CASTO: Yes, sir?

6 CHAIRMAN JACZKO: I know you guys are
7 exhausted, and you guys are doing a phenomenal job.
8 Let's, let's try and focus a little bit on, on what
9 we need to do right now.

10 CHUCK CASTO: Yes, sir. That's, that was
11 my reason to call you.

12 CHAIRMAN JACZKO: What, what support do
13 you need from us?

14 CHUCK CASTO: I think we, we need to
15 establish an EOC base team out here, whatever you
16 call it, site team. We need a site team out here and
17 get some office space, getting an EOC and some office
18 space. We've got to stand up, and I think we're
19 going to have to stand up several organizations.

20 One, we're going to have to stand up this
21 cooling water organization and take care of the spent
22 fuel pools, a radiation organization, a research
23 organization, and, and the a project organization I
24 guess would be -- this is just green streaming, okay?

25 I mean, I just came back in a cab from

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1 talking to these guys. But it's got me enough
2 concerned that I think we're going to wind up here.

3 CHAIRMAN JACZKO: Chuck, do me a favor.
4 Take a deep breath.

5 CHUCK CASTO: Yes, sir.

6 CHAIRMAN JACZKO: Okay. I don't think we
7 can stand up all of those things. So talk, talk to
8 me about what, what is your gut telling you right now
9 is, is the direct --

10 CHUCK CASTO: I think, there, we need, we
11 need research on the reactor vessels and seawater and
12 consequence, consequence management.

13 CHAIRMAN JACZKO: Okay, and you're saying
14 -- I'm sorry -- when you said you want those teams
15 stood up, you mean here in the Ops Center or there in
16 Japan? I may have misunderstood you.

17 CHUCK CASTO: There, we need research,
18 but we need a project team here.

19 CHAIRMAN JACZKO: Okay, you need a
20 project team there.

21 Let me ask you this, Chuck. Do you think
22 that project team should be NRC people or somebody
23 else, like maybe INPO or something like that?

24 CHUCK CASTO: I think INPO and Research
25 ought to work together on, probably on the reactor

1 vessels --

2 CHAIRMAN JACZKO: Okay.

3 CHUCK CASTO: -- and whomever, I don't
4 know, on reducing radiation levels at the site. I
5 don't know who the best organization is to do that.
6 I think maybe DOE, somebody, you know, they, they're,
7 they're the experts on decon and radiation levels.
8 So I think they farm that off to DOE, let them take
9 care of radiation. You know, we're, we're good at
10 reactor vessels and reactor stuff, but we're going to
11 Research to help us on seawater impacts.

12 So you would stand up those organizations
13 wherever, and and wind those up so that we can -- and
14 then, and then somebody to manage all the stuff.

15 TONY ULSES: Yeah.

16 CHUCK CASTO: We, I think this is a major
17 change in the mission based on what the [REDACTED] 6
18 said.

19 And, by the way, Chairman, he sent his
20 regards and wanted us to share with you that, that we
21 have a close working relationship, and we agree with
22 that.

23 CHAIRMAN JACZKO: Okay. So --

24 CHUCK CASTO: And then you have EPA for
25 dose prevention and --

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1 TONY ULSES: Projection.

2 CHUCK CASTO: So you got EPA working
3 dose, DOE working radiation, and Research and INPO
4 working on, in the labs working on seawater.

5 CHAIRMAN JACZKO: Okay, Chuck, we'll
6 figure out who, who's going to do what.

7 CHUCK CASTO: Okay. That's good.

8 CHAIRMAN JACZKO: So let's just repeat
9 back. We need someone to look at, to look at the
10 issue of seawater and seawater impact. We need
11 somebody to look at dose estimates. Is that -- and
12 then you need a project management team. Are those
13 basically the three things?

14 CHUCK CASTO: Yes.

15 CHAIRMAN JACZKO: Okay.

16 CHUCK CASTO: Let me make sure
17 everybody's comfortable here.

18 Tony. Does and radiation separately --

19 CHAIRMAN JACZKO: Okay, and then
20 somebody, somebody looking at approaches and
21 strategies for reducing radiation impacts.

22 CHUCK CASTO: Yes.

23 CHAIRMAN JACZKO: There should be four
24 things. Right?

25 CHUCK CASTO: There should be four. I

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1 had four in my mind, sir.

2 CHAIRMAN JACZKO: Okay, so let me repeat
3 them back to you again.

4 CHUCK CASTO: Okay. Let's write these
5 down.

6 CHAIRMAN JACZKO: Strategies for reducing
7 radiation at the site, somebody to look at the
8 seawater impacts on the vessel, somebody to look at,
9 a project management-type group, and then somebody to
10 look at dose calculations.

11 CHUCK CASTO: Yes, and, yeah, projections
12 and calculations.

13 CHAIRMAN JACZKO: Okay, dose projections.

14 CHUCK CASTO: And I promised him that I
15 would get AMF data.

16 CHAIRMAN JACZKO: Okay. Good.

17 CHUCK CASTO: And he promised to get
18 me dose information off the SDF, off the Self-Defense
19 Forces.

20 CHAIRMAN JACZKO: Oh, good.

21 CHUCK CASTO: So that would give us
22 better projections. And thanks to -- I forget who it
23 was who asked me to get that -- but whoever asked me,
24 that was a good suggestion and I appreciate -- I
25 think it was Trish. Trish asked me for it, and I

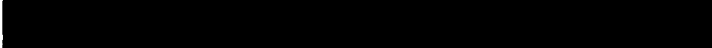
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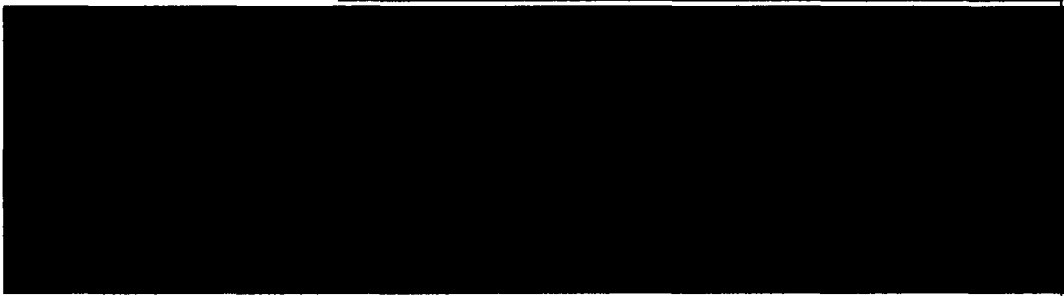
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1 asked him for it.

2 At first they were worried because he
3 said, you know, I can't get you all the dose, you
4 know, that everybody's exposed to. I said no, no,
5 no, that's not what we want. You just get us some
6 example doses and we'll be good.

7 And I don't know what you all have
8 assessed with those we sent you, the ground-level
9 photos on, on Unit 3. I'd be interested to know what
10 your assessment is of Unit 3, the -- somebody just
11 called them the parking lot photos. They were taken
12 from the parking lot of Unit 3.

13 CHAIRMAN JACZKO: Chuck, I think what we
14 got from GE is 

15  X

19 But let me get, let me double back with
20 you. Just a high-level, let's just take a step back
21 and look at the whole situation.

22 If we get this information, what's, what's your
23 understanding of what will be done with it?

24 CHUCK CASTO: Sir, I believe that they
25 are looking for us for solutions.

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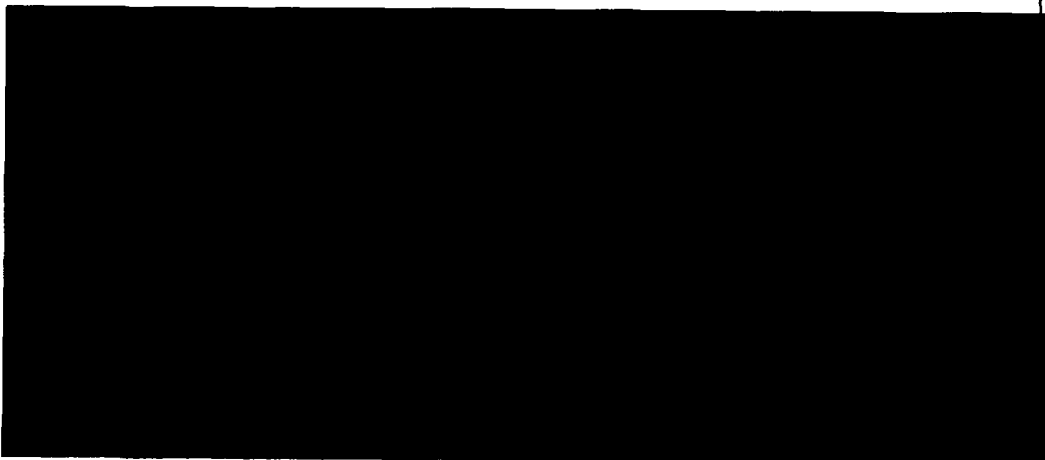
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1 CHAIRMAN JACZKO: Okay. And this is
2 where they need solutions.

3 CHUCK CASTO: Yeah, and I think they
4 were, they were desperate for options.

5 Tony, help me out. Make sure I'm saying
6 what I heard.

7 I don't know if "desperate" is the right
8 word, but they were certainly wishful for options.
9 And so I'm afraid that, you know, that's why -- and
10 they want us, I think, to work in the Tepco building.
11 They want, they us to embed with their staff in the
12 Tepco building, some of our staff. So we're going to
13 have to get liaisons and work 24/7 and their staff.



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20 CHAIRMAN JACZKO: Hey, Chuck, let me go
21 back to one thing and then I'm going to get out of
22 here and let you all talk to the, the folks who know
23 more than I do.

24 So you need people like the project
25 management team. Right?

1 CHUCK CASTO: I need people who can work
2 the diplomacy side and project management, and we
3 need some office space. This conference room is, is
4 not going to get it for us. So we, we need to have,
5 we need to have a facility.

6 CHAIRMAN JACZKO: Okay.

7 CHUCK CASTO: Wherever it is in Tokyo,
8 but we need to have some kind of facility.

9 CHAIRMAN JACZKO: Well, we'll get working
10 on that. And I'll let you go back to the Executive
11 Team and work out the details stuff.

12 CHUCK CASTO: Okay.

13 Who's the lead in the ET team right now?

14 BRUCE BOGER: It's Bruce. And Marty's
15 here too.

16 CHUCK CASTO: Okay. hey, Marty. So I
17 guess I would just let you guys -- that's the mind
18 dump out of that meeting. And I guess I would just
19 let you guys take that information and ponder it and,
20 and, with something and let us know. Is that too
21 simple? Is that me pushing off the --

22 BRUCE BOTER: No.

23 BILL RULAND: Chuck, this is Bill Ruland,
24 and I can't possibly fathom the pressure you guys are
25 under.

1 CHUCK CASTO: That's all right, thanks,
2 Bill. But we -- go ahead. Go ahead.

3 BILL RULAND: Now that I got that out of
4 the way --

5 CHUCK CASTO: That's what we have to do
6 at every meeting -- just as an aside, I mean, every
7 meeting we have to go in, there's the formality of
8 our sorrow, the honor to work with you, the, you
9 know, the outstanding job -- they know, it always has
10 to be done at every meeting, the first time, first
11 thing when you walk in. But go ahead. Thanks for
12 doing it.

13 BILL RULAND: Let me talk seawater.

14 CHUCK CASTO: Okay.

15 BILL RULAND: Several days ago, we talked
16 of Paul Clifford. He's our fuels expert. He didn't
17 have any concerns about zircaloy fuel and corrosion
18 rates regarding the fuel itself.

19 CHUCK CASTO: Okay.

20 BILL RULAND: He said that zircaloy is
21 highly resistant to corrosion.

22 CHUCK CASTO: Okay.

23 BILL RULAND: So, but what I'm going to
24 go back and ask him about is, okay, let's, you know,
25 make some assumptions about where we are today and

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1 how long this fuel has been uncovered. Is your, does
2 your assessment change? So that's, that's number
3 one.

4 CHUCK CASTO: I don't know that I would
5 go to one source either because -- I mean this is the
6 chairman of the NRC telling us that he's highly
7 concerned, imminent, about that corrosion.

8 MALE PARTICIPANT: [REDACTED] 6

9 CHUCK CASTO: And it's not corrosion of
10 the fuel. It's heat transfer rate. It's not
11 corrosion of the zircaloy. If he transfer rate.

12 MALE PARTICIPANT: Tepco.

13 CHUCK CASTO: I'm sorry -- [REDACTED] 6
14 [REDACTED]

15 BILL RULAND: One, I would call,
16 legitimate concern, and it goes to the heat transfer
17 rate piece, is you essentially have a, an evaporator
18 in the reactor. You're, you're putting in possibly
19 boric acid, putting in salt water, and you're boiling
20 off steam. And of course, that's distilled water.

21 CHUCK CASTO: Yeah, you're,
22 concentrating.

23 BILL RULAND: And you're concentrating
24 it. You know, we have, Len Ward (phon) has done a
25 lot of work on, in our staff, and we're going to

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1 reach out to him and reach out to others, you know,
2 make some assumptions about where they stand today,
3 and is there some sort of action that they could take
4 to either improve the heat transfer or at least not
5 make it worse.

6 CHUCK CASTO: Right, and I, you know, my
7 feeling was they were, they want to try to get off
8 the seawater and, you know, get the seawater out of
9 those vessels and get to something else. And my
10 interpretation of that was we can't do that with all
11 the radiation levels that's around there.

12 BILL RULAND: Yeah.

13 CHUCK CASTO: So we can get the radiation
14 levels down help us get the seawater out of those
15 reactors.

16 BILL RULAND: Well, my guess is, just off
17 the the top of my head, if they restored power, they
18 had course spray, and they had the water going in in
19 different directions, it's a big, that would be a
20 huge deal for them. All right? But, you know,
21 that's, that's --

22 CHUCK CASTO: You know, there's probably
23 also fuel damage in there. You know, you don't know
24 anything about the condition inside the reactor.

25 BILL RULAND: That's right. Now --

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1 CHUCK CASTO: So you've got, you know,
2 you could have fuel on the bottom heads, and that was
3 another thing they were worried about was fuel in
4 the, in the bottom heads, the corrosion rate.

5 I mean, the [REDACTED] doesn't
6 come to me and say we're very concerned short-term
7 about this unless they know something.

8 BILL RULAND: Yes. Now let me talk to
9 you about those pictures. We, we shipped those
10 pictures off the General Electric, [REDACTED]

11 [REDACTED]
12 [REDACTED]
13 [REDACTED]
14 [REDACTED]
15 [REDACTED]
16 [REDACTED]
17 CHUCK CASTO: Yeah, I see that. I see
18 the rail.

19 BILL RULAND: Okay. That's below what I
20 call the first set of concrete windows.

21 CHUCK CASTO: Yeah. I think our concern
22 is that debris, that debris bed on top of there, I
23 mean, you can drop almost anything into a spent fuel
24 pool and punch a hole into the bottom of it.

25 BILL RULAND: Right.

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1 CHUCK CASTO: You know, we've had, we've
2 had in our spent fuel pool, somebody dropped, you
3 know, something small and punched a hole. And you've
4 got a major rubble bed on top of this thing. You've
5 sent all kinds of stuff down to the bottom of that
6 spent fuel pool.

7 BILL RULAND: So GE's in the process of
8 -- after I get off the phone call, I'm going to ask
9 them, is there a preliminary assessment they can give
10 us, or is there some, how long is it going to be
11 before they get a, a final assessment. Whatever I
12 get, I'll make sure I will forward it to your team.

13 CHUCK CASTO: Thank you, Bill.

14 BILL RULAND: And we will work on the
15 heat transfer, these heat transfer questions for you.

16 CHUCK CASTO: Great.

17 BILL RULAND: And radiation doses --

18 TRISH HALOHAN: Yeah, we'll talk to Jack,
19 and we're forwarding him the AMS results as we speak.
20 And then we'll work on -- he's told us, he's -- and
21 they were going to share the radiation doses at the
22 site with, with him in two hours. And then he'll
23 forward them to us, and we'll see what we can do with
24 those.

25 CHUCK CASTO: Thank you.

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1 Hey, Bill?

2 BILL RULAND: Yes?

3 CHUCK CASTO: What I would think about is
4 think about how we can get in the reactor building
5 through a keyhole is something to find some
6 connection to the RCS, then we can start pumping in,
7 pumping in freshwater. You know, so you can, you
8 know, get the -- does that make sense?

9 BILL RULAND: I understand.

10 CHUCK CASTO: I mean, you're never going
11 to be able to go in there and start a pump somehow
12 because, I mean, look at the rubble beds in these
13 buildings. You're not going to be able to go in
14 there and start a pump. So you need to drill a
15 gopher hole through the plant somehow, get a gopher
16 hole through there somehow to some connection on the
17 RCS to some kind of freshwater connection or borated
18 water connection, whatever we decide.

19 BILL RULAND: And one would argue you're
20 almost at the point you want the whole building up.

21 CHUCK CASTO: Well, we've thought about
22 that too. One strategy might just be the sarcophagus
23 at this point.

24 BILL RULAND: Right. Okay. We've got
25 the questions.

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1 CHUCK CASTO: Somehow, you'd have to put
2 boron in the vessels before you did it, you know,
3 probably. I don't know. I mean that's all, that's
4 all technical stuff well above my head. I think you
5 probably need the lab and them to work on about that.

6 BILL RULAND: Okay.

7 BRUCE BOGER: This is Bruce. Do you have
8 any knowledge of whether they're seeking additional
9 boron? There's suppliers in the United States that
10 are --

11 CHUCK CASTO: Last I heard this morning,
12 they got more boron than they can -- they got 38,000
13 pounds or something like that --

14 TONY ULSES: From Diablo.

15 CHUCK CASTO: -- from Diablo. The last I
16 heard early this morning was, you know, we've got
17 plenty of boron.

18 BRUCE BOGER: Okay, thank you.

19 FEMALE PARTICIPANT: Hey, Chuck, this is
20 (inaudible) from the Liaison Team. [REDACTED]

21 [REDACTED]
22 [REDACTED]
23 [REDACTED]
24 [REDACTED] I left him at the hotel
25 about 20 minutes ago.

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1 MALE PARTICIPANT: I'm sorry. You're not
2 picking up.

3 CHUCK CASTO: I'll repeat. [REDACTED]
4 [REDACTED]
5 [REDACTED]
6 [REDACTED] and he just went back to the hotel.

7 I don't -- the sense I got was it wasn't, you know,
8 he, for some reason [REDACTED]
9 [REDACTED]
10 [REDACTED]
11 [REDACTED]

12 You know, the airplane ride over here,
13 you know, can wipe people out. So, so far, he was in
14 or working for while this morning.

15 TONY ULSES: Right.

16 CHUCK CASTO: But --

17 TONY ULSES: If it's a head cold, he's
18 not getting on a plane today.

19 CHUCK CASTO: Yes, he can't even get back
20 with, probably with the [REDACTED] that he has.

21 BRUCE BOGER: Okay.

22 CHUCK CASTO: [REDACTED]
23 [REDACTED] I hear. So anyhow.

24 MALE PARTICIPANT: Well, if we need to
25 try to make arrangements to get him back, you know,

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1 we need to --

2 CHUCK CASTO: The embassy can do that.
3 They've got charter flights out of here. You know,
4 they're flying constant charter flights out of here.
5 We, we can get him lifted back from the Embassy.

6 FEMALE PARTICIPANT: Do they have
7 medicines or any facilities at the --

8 CHUCK CASTO: They, THEY had a (audio
9 interference) that he visited, I think, yesterday.

10 FEMALE PARTICIPANT: Okay, well, just let
11 us know if you need anything from Chuck to help make
12 that happen if your team's starting to need help. We
13 can get on that too.

14 CHUCK CASTO: I think that's a good idea.
15 I think I'm going to -- well, I don't know if we can
16 get him out of here with his head cold, but we'll
17 talk to the embassy and see what it takes to get him
18 on -- and they can get them on instantly. An hour
19 and a half, he can be a charter flight out of here.
20 So, and you guys are working on a replacement for
21 him.

22 But, you know, yet. We can get them out
23 of here, I think, okay.

24 BRUCE BOGER: But, Chuck, just to revisit
25 the expertise that we're planning to send in the next

1 wave, we aren't planning to send the next wave of BWR
2 experts. Right?

3 CHUCK CASTO: I think I talked to
4 somebody that we don't need BWR experts. We have a
5 BWR reactor anymore.

6 BRUCE BOGER: So the replacement for Tim
7 would be, you know, would be a different skill set.

8 CHUCK CASTO: Yeah, we need to stand by
9 on the replacement team. Let me get out, get off of
10 this conference bridge, and I'll talk with you
11 directly because I think would the mission shift this
12 morning, the, the skill set's going to change again.

13 BRUCE BOGER: Yeah, what I wrote down was
14 "change in needs and expertise?"

15 CHUCK CASTO: Yes. Yeah, I think we got,
16 we got a big change in expertise. So let me call
17 you, let me call you separately.

18 We don't need to hold everybody up for
19 that.

20 MARTY VIRGILIO: Chuck, I think -- it's
21 Marty -- I think it's a good idea for us to talk off
22 the bridge because there's some unfolding strategies
23 that we need to make you aware of.

24 CHUCK CASTO: Let me call you back and
25 get on the -- don't you have a supersecret bridge or

1 something, a conference room or something like that?

2 MARTY VIRGILIO: Give us a little while.

3 CHUCK CASTO: Okay. All right, we'll
4 talk later this morning. I need to go up and
5 back-brief the ambassador anyhow.

6 MALE PARTICIPANT: Okay.

7 CHUCK CASTO: Goodbye.
8
9
10

(CONFERENCE CALL INITIATED.)

5:30:45/5:42:13

CHUCK CASTO: This is Casto of the Japan team.

BRUCE BOGER: Hey, it's Bruce here. How can I help you, sir?

CHUCK CASTO: They said you wanted to update me on what the Chairman worked out on the Naval Reactors or something.

BRUCE BOGER: Yeah. It looks like they're working on a project management team. Sound familiar?

CHUCK CASTO: Good.

BRUCE BOGER: A consortium of Bechtel, Navy, and INPO. It starts getting people here tomorrow, tomorrow morning if possible, gathering, you know, in the NRC building.

CHUCK CASTO: Okay.

BRUCE BOGER: Starts things going. That's all I have. Marty is, is still back in the side room on the phone. So he probably will emerge with additional information.

CHUCK CASTO: Yeah, and I have 11:30 with the ambassador. So I'll talk with him after I get back with the ambassador. I hate to blow off the

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1 deputy EDO, but, you know, at this point --

2 FEMALE PARTICIPANT: That's all right.
3 You can catch up Marty on the next call.

4 MALE PARTICIPANT: Chuck, if you were to
5 ask Marty, he's saying he's supporting you.

6 CHUCK CASTO: Yeah, he would say that
7 he's working for me.

8 MALE PARTICIPANT: Okay.

9 (Extraneous content omitted.)

10 CHUCK CASTO: But here's another one. Of
11 all things, it looks like there's a potential that
12 they're going to shut the Embassy down tomorrow for a
13 power outage to tie in another diesel or something,
14 so we don't have, we may not have a conference room
15 tomorrow. So, we're, we're working with the hotel to
16 get them to stand up a conference room with some
17 phone lines and computer connections for tomorrow.

18 We may have to displace, it might be that
19 we have no -- but I don't -- I don't know. I thought
20 maybe we ought to just move the hotel, period, but
21 we're so tied into the embassy, that wouldn't work.
22 So we're probably just displaced for one day and then
23 come back.

24 BRUCE BOGER: Okay.

25 CHUCK CASTO: Anything else?

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1 BRUCE BOGER: No. We're working on the
2 chemistry problems and materials problems.

3 FEMALE PARTICIPANT: And we're supposed
4 to get some real-time data on doses from NISA.

5 CHUCK CASTO: Yeah, I promise [REDACTED]
6 [REDACTED] that I would get in the AMS data
7 too.

8 BRUCE BOGER: Right, and I thought I
9 heard that that had been sent.

10 CHUCK CASTO: Okay. Good. Okay. I've
11 got -- I'll tell you what happened. As soon as we
12 got back here, Tepco, their recovery manager called
13 as soon as we got back and they wanted us back over
14 to Tepco. So I'm, I'm quickly just -- I'm going to
15 talk to Marty in detail about this, but I'm quickly
16 running out of soldiers here.

17 BRUCE BOGER: Yeah.

18 CHUCK CASTO: So we start need to start
19 moving people this way. And we need -- so Marty and
20 I and you, Bruce, need to work on the list as soon
21 as, I mean, that's the top priority is to work on the
22 list because I'm, we're running out of people.

23 BRUCE BOGER: Yeah, we're working on a
24 list. We want to confirm that the talent and the
25 skill sets that you are seeking. You know, it still

1 seems like you need the building structural folks.

2 CHUCK CASTO: You know, we ought to keep
3 that, we probably ought to keep that resource back
4 there with the, with the structural. What we need
5 are people -- we need people that are more, get
6 things -- I don't how to say this. I don't know, you
7 know, get things done, coordinate, carry out plans,
8 that kind of things.

9 You know, a guy like Monninger --
10 Monninger's the perfect guy. Tony's good. Kirk is
11 good for us. You know, the plans, most of the
12 technical plans are coming from you guys, or we
13 should move that way, that you guys pump us ideas and
14 the project management people help, you know,
15 logistically with it. And we'll move to help Tepco.
16 It would be like a -- I'm just brainstorming, Bruce.
17 Let's just talk about this.

18 BRUCE BOGER: Yeah, I'm listening.

19 CHUCK CASTO: But it would be like a base
20 team, you know, management kind of thing. I'm almost
21 thinking we ought to go to the branch chief level,
22 that -- you know, a few technical specialists but
23 like branch chiefs instead of technical people.

24 BRUCE BOGER: Oh.

25 CHUCK CASTO: but that would be a major

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1 shift in your philosophy. Maybe that's wave three,
2 but --

3 BRUCE BOGER: Now, I was talking to
4 Marty. I, you know, I'm nervous about us maintaining
5 this type of presence for a long time in, in this
6 facility.

7 CHUCK CASTO: Well, we definitely got to
8 change the facility.

9 BRUCE BOGER: We might need, we might
10 actually have an event in the United States that
11 needs to be handled.

12 CHUCK CASTO: Yeah, I worried about that
13 the other day. I thought about it. What happens if
14 we have an event? What happens to who? You know?

15 BRUCE BOGER: Region X takes care of it;
16 I don't know.

17 CHUCK CASTO: Yeah.

18 BRUCE BOGER: But we need to think that
19 through.

20 CHUCK CASTO: Right. And we need a
21 facility over here. The conference room -- that's
22 what I was trying to tell the Chairman. This
23 conference room just isn't getting it done for us.

24 BRUCE BOGER: Does the ambassador have --
25 you have his hear, right?

1 CHUCK CASTO: Yeah, but they don't have
2 any space in the building.

3 BRUCE BOGER: You're right.

4 CHUCK CASTO: Somebody in the agency is
5 working on a six-month lease of property here or
6 something of property here. I got an email on that
7 the other day that they're looking to stand up --
8 whatever they're going, if you talk to Jerry or
9 somebody over there, whatever they're doing, they
10 need to accelerate it.

11 BRUCE BOGER: I'm not sure I got that,
12 Chuck.

13 CHUCK CASTO: I got an email the other
14 day that said that they are looking at obtaining
15 office space over here for six months.

16 BRUCE BOGER: Okay.

17 CHUCK CASTO: And whatever they're doing,
18 whatever they're working on to get that done, they
19 need to, you know, to advance that.

20 BRUCE BOGER: Okay, it needs to happen
21 immediately if not sooner sooner.

22 CHUCK CASTO: Yes.

23 BRUCE BOGER: Okay. Now you said you
24 have an 11:30 with the, with the ambassador. Marty
25 would like to talk to you about that. How much --

1 CHUCK CASTO: No, he's here. He's on the
2 ninth floor. It doesn't take me long. But I had to,
3 I had the blow him off on the 9:30 meeting, and I
4 ain't blowing him off twice in a row. I tell you
5 that. You know, I, the 9:30 meeting, I briefed him
6 at eight o'clock and, you know, did my apologies that
7 I was going to miss the meeting. But I don't want to
8 do that too much, and especially twice in a row.

9 BRUCE BOGER: (Inaudible) just let me
10 know that the AMS information was sent to Jack
11 Foster.

12 CHUCK CASTO: Okay, and how's he -- and
13 is he going to get it to high levels at Tepco here or
14 something? Oh Jack Foster here. I got you.

15 BRUCE BOGER: Jack Foster.

16 CHUCK CASTO: I'm sorry. I'm running a
17 little tired.

18 BRUCE BOGER: We can only imagine, so.

19 CHUCK CASTO: Yeah. The four o'clock
20 phone call this morning after not getting to bed
21 until after, well after -- you know, it was -- I'm
22 tired this morning.

23 CHUCK CASTO: Yeah. Understood.
24 Understood.

25 CHUCK CASTO: I'm starting to forget

1 names. Okay, I'm going to go upstairs and --

2 MALE PARTICIPANT: Not yet. Just a
3 second. Just hold on just the second.

4 CHUCK CASTO: All right.

5 MALE PARTICIPANT: Please.

6 CHUCK CASTO: All right.

7 MALE PARTICIPANT: Marty, I know, is on
8 the phone call with --

9 CHUCK CASTO: The Admiral.

10 MALE PARTICIPANT: A couple of them I
11 think. One the retired, one retired, one active.

12 FEMALE PARTICIPANT: (Off mic).

13 (Standby).

14 CHUCK CASTO: That matrix -- and I hate
15 to interrupt, if I'm interrupting out here -- but
16 that matrix we're sending out, that very simplified
17 matrix, I'm getting a lot of good feedback from the
18 government on that.

19 BRUCE BOGER: The one that has the unit
20 number and priority and status?

21 CHUCK CASTO: Yeah.

22 MALE PARTICIPANT: Okay.

23 CHUCK CASTO: I was just at a
24 governmental meeting a while ago, and I'm getting
25 good feedback on that.

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1 BRUCE BOGER: We appreciate it to, but
2 we're beginning to wonder how stale some of the
3 information is.

4 CHUCK CASTO: Yeah, I'm okay with keeping
5 those columns, the rows the same because that's what
6 the ambassador wants. But if you guys want to change
7 and add some information at a very high level in the
8 boxes, a little more explanatory, that would be
9 great.

10 But you got to remember, you know, that,
11 this product is for the ambassador.

12 FEMALE PARTICIPANT: Are you referring to
13 the Fukushima Daiichi summary list of the units?

14 CHUCK CASTO: Yes. You could add more
15 details of that or different descriptors, but just
16 remember, this is for the ambassador, and, you know,
17 he likes it at a very high levels.

18 FEMALE PARTICIPANT: Chuck, before you
19 run off, Marty wants to talk to you when you return.

20 CHUCK CASTO: Yeah, that's what I, I
21 think that's the right thing to do.

22 FEMALE PARTICIPANT: How long do you
23 think is your meeting with the ambassador, do you
24 know?

25 CHUCK CASTO: I'll probably be 45

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1 minutes.

2 FEMALE PARTICIPANT: He was hoping to
3 catch -- it'll probably be perfect timing -- he's
4 hoping to catch the off-going shift and the oncoming
5 shift in what he wanted to share with us.

6 CHUCK CASTO: Okay. What time is it
7 there? It's 12?

8 FEMALE PARTICIPANT: So about the time
9 you get back is about the turnover time.

10 CHUCK CASTO: What time are you guys
11 working? Are you working noon to midnight or what?

12 FEMALE PARTICIPANT: Eleven to seven.

13 FEMALE PARTICIPANT: We're trying to do
14 three to 11, 11 to seven, and seven to three. Some
15 are --

16 CHUCK CASTO: You have a three-shift
17 rotation.

18 FEMALE PARTICIPANT: Some are on 12; some
19 are on three.

20 CHUCK CASTO: Well, you guys, I know it's
21 been a grind for everybody back there.

22 MALE PARTICIPANT: You got it easy,
23 buddy.

24 CHUCK CASTO: Now. Okay. I'll call you,
25 I'll call him after my next meeting.

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1 MALE PARTICIPANT: Okay.

2 FEMALE PARTICIPANT: Call him in the Ops
3 Center.

4 MALE PARTICIPANT: Thanks, Chuck.
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(CONFERENCE CALL INITIATED.)

5:42:21/5:52:54

MARTY VIRGILIO: Bill, it's Marty. How are you this evening?

[REDACTED] Good. How are you?

MARTY VIRGILIO: Fine, thanks. I've been involved in several conversations with [REDACTED] and Admiral Donald tonight, and I think we've worked out a plan. But I'm really glad you called. I was going to wait until the morning to call you. We're trying to settle in on the details.

[REDACTED] Okay. I think we're ready to talk now, at least, the team we put together, and what I'd like to do is may be kind of go through that with you and what tomorrow might look like.

MARTY VIRGILIO: All right. Let me just suggest that we bring in the team leads so that they can hear it firsthand. We'll get our Reactor Safety and Liaison Team leads in.

[REDACTED] Okay. Very good.

(Standby.)

MARTY VIRGILIO: Bill, I've got the team, the team leads in here now. And maybe I could start with my understanding of what's going to happen over the next few days and in the longer term, and you can

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1 either verify, validate that or modify it. Okay?

2 [REDACTED] Very good. 6

3 MARTY VIRGILIO: Okay, so my
4 understanding as I left it the Chairman, [REDACTED] 6
5 [REDACTED] and Admiral Donald, is that we're going to be
6 looking to forming a consortium that would provide
7 industry-to-industry support in addressing this
8 problem and what I described or what I think about
9 the model that was used in Deepwater Horizon to
10 address, to address the problem that they were having
11 in the Gulf.

12 And we would include in this, in this
13 consortium folks like the Department of Energy,
14 Bechtel, Areva, and others, and that was probably
15 being organized by your side, as to who you thought
16 we were going to bring bear, General Electric,
17 Hitachi. Who are the key players that could help us
18 identify and implement solutions? Does that square
19 with your understanding so far?

20 [REDACTED] Yeah. I have put together 6
21 a team with representatives from Exelon, from the
22 utility business, GE, Hitachi, EPRI, Bechtel, Areva,
23 and BMW, with the idea that that could form the
24 nucleus. We could reach into those companies. And
25 if we need to, we can bring in QRS, Westinghouse, and

1 (inaudible).

2 But we thought we'd start with this other
3 group first and kind of think through what, what it
4 might look like.

5 MARTY VIRGILIO: Okay. Now, we're
6 thinking about a kickoff meeting here tomorrow
7 afternoon. Is that doable?

8 [REDACTED] Yes. Now, my plan right 6
9 now is I'm going to, I have an individual that works
10 for me [REDACTED] (phon), and then I am planning 6
11 on coming up, and I'm reaching out tonight to several
12 people. We'll have [REDACTED] (phon), and I've 6
13 probably mispronounced his name, from Areva to be
14 there committed to be there. [REDACTED] from 6
15 Bechtel committed to be there. We're working the
16 General Electric contact (inaudible), and so we're
17 working to get him to be there tomorrow. The BMW and
18 the EPRI people are in California, so they won't be
19 there tomorrow afternoon, but they could be there
20 Sunday.

21 MARTY VIRGILIO: Can they videoconference
22 in?

23 [REDACTED] I can work on making that 6
24 happen.

25 MARTY VIRGILIO: Okay, because we've got

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1 the video at this end. We just got a think about the
2 room, then, that we would set up at this end. It
3 would have to have a videoconference capability.

4 [REDACTED] Yes. 6

5 MARTY VIRGILIO: It would seem to me that
6 the kickoff meeting would be critical, and if we can
7 have them in -- and we'll certainly have a bridge set
8 up because we'll have somebody from our team in Japan
9 on the bridge. So, I mean, at the least, it would be
10 audio conferencing, and at the other side of this, we
11 would videoconference it.

12 [REDACTED] Okay, let me see if we can 6

13 -- I think we could at least get, get the, the audio
14 going.

15 MARTY VIRGILIO: Yeah, I think that would
16 work. That's easily doable.

17 [REDACTED] What time, for the kickoff 6
18 meeting, are you thinking, Marty?

19 MARTY VIRGILIO: Well, I was looking for
20 you because, you know, while you're assembling your
21 team, our folks are all here, including the DOE folks
22 and the Naval Reactor folks that would be
23 participating.

24 I've talked to, I talked to Steve Lyons
25 earlier, and so he could be here two o'clock. If two

1 o'clock works for you, it would be a good time for
2 us.

3 [REDACTED] Why don't we, why don't we 6
4 tentatively schedule it then for two o'clock, and
5 I'll make sure that people are aware of that and, and
6 have them, you know, move towards that time.

7 MARTY VIRGILIO: All right. If you can
8 give us names, we can give them the secret handshake
9 to get them in the gate.

10 [REDACTED] I can give you some names 6
11 right now.

12 MARTY VIRGILIO: If you can email them to
13 us once you have the names, the final list, and it
14 doesn't have to be until tomorrow morning.

15 [REDACTED] Then I'll do that. 6

16 MARTY VIRGILIO: We'll get that to our
17 administrative staffing and get them cleared to come
18 in.

19 MALE PARTICIPANT: And park.

20 [REDACTED] Okay. I will give, I will 6
21 have the names emailed tomorrow. So I'll have the
22 complete list there because there's a couple of
23 transfer people who thought we were going to do this
24 by phone that now are needing to go to Washington.
25 So let me get the, I'll get that email to you first

1 thing in the morning.

2 BILL RULAND: Bill, let me give you an
3 email address.

4 [REDACTED] Yeah, one second please.

5 BILL RULAND: All right, HOO.HOC@NRC.gov.

6 [REDACTED] H-O-O, dot H-O-C @NRC.gov.

7 BILL RULAND: That's correct.

8 [REDACTED] Got it. Thank you.

9 MARTY VIRGILIO: Would you like us to
10 reserve a set of rooms across the street at the
11 Marriott?

12 [REDACTED] Yeah, if you wouldn't
13 mind. I've (inaudible), so I'll probably be okay,
14 but I don't know about the others. But if they're,
15 if you could get us a half a dozen or so rooms, that
16 probably would be helpful. I don't know what the
17 demand on those rooms up there might be this weekend.

18 MARTY VIRGILIO: Probably not too bad,
19 but we'll get on it right away and, and try to get a
20 block of rooms reserved for you.

21 [REDACTED] Okay.

22 MARTY VIRGILIO: So I think one of the,
23 one of the things that you might want to consider in
24 having the people from California on the phone, or
25 having them in the air and having somebody else in

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1 that company or organization represent them on the
2 phone. I wouldn't want to delay their arrival.

3 [REDACTED] I understand.

4 MARTY VIRGILIO: But that's up to you. 6

5 [REDACTED] I'll work out that detail
6 so we kind of know what to do there.

7 MARTY VIRGILIO: Okay. And we're going
8 to start working through diplomatic channels in
9 country to try to make sure that what we develop is
10 implementable from a political standpoint and we're
11 also get the best data we can about the site
12 conditions, radiation fields, so that we, what we
13 development is implementable from that perspective.

14 [REDACTED] I understand. That would 6
15 be very helpful as we've been continuing to struggle
16 with high confidence data.

17 MARTY VIRGILIO: Yeah, we all have.

18 As of this evening, the Tepco folks that
19 we've been working with, that our team in Japan has
20 been working with, have got real concerns about
21 reactor vessels. And so I guess we'll be able to
22 talk about that some more tomorrow.

23 But they seem to be expressing concerns
24 about the longer-term effects of putting seawater
25 into the reactors and the impacts on the materials

1 and the impacts on the fuel. So I know that's, from
2 their perspective, that's -- they, Tepco -- see that
3 as a high priority today.

4 But you know, Bill, they have shifted
5 almost as frequently as the winds have changed there
6 with respect to what their priorities are. So I
7 just, it's not, it's not a good situation.

8 [REDACTED] I understand.

9 Well, I'll be up there. Well, would it
10 be valuable for me to get there a little earlier and
11 just understand what the kickoff meeting might look
12 like, just so that I can be supportive of the
13 directive that's being set?

14 MARTY VIRGILIO: That would be fine. I
15 expect Bill Borchardt, I talked to Bill just a little
16 while ago, and Bill will be in from maybe 10 o'clock
17 on tomorrow. He's got a couple of other things to do
18 to prepare for Commission meeting we have on Monday,
19 and a meeting with the Chairman, around noonish.

20 So you want to come in any time around
21 then, I think that would probably -- or a little
22 after noon -- that would be fine with us.

23 [REDACTED] All right, well, I'm going
24 to get there probably sometime around 12, one
25 o'clock.

1 MARTY VIRGILIO: That would be great.
2 Yeah, we can connect you with the folks that are
3 going to be here, including Bill Borchardt.

4 [REDACTED] Okay, is this and the
5 Number One building?

6 MARTY VIRGILIO: Yes. Well, I don't
7 where the meeting would be, but --

8 (Extraneous conversation omitted.)

9 MARTY VIRGILIO: Anything else we can do
10 to help you tonight?

11 [REDACTED] No, I think I know enough.
12 I need to make some more calls here to get people
13 moving, but I think we're (audio interference).

14 MARTY VIRGILIO: Thank you very much.

15 [REDACTED] You bet, Marty. We'll see
16 you shortly.

17 MARTY VIRGILIO: All right. Bye-bye.

18 (END OF SERIES.)
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